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Contents

A. India

- From UAVs to refuellers: How Israel is helping India keep an eye on LAC
- ISRO makes history today by successfully launching India's maiden private Vikram-suborbital (VKS) rocket to grace the skies
- Three Indian speakers at global nuclear power event AtomExpo in Russia
- Russia offers new nuclear fuel solutions for India's atomic reactors
- India condemns recent intercontinental ballistic missile launch by North Korea
- India carries out successful training launch of Intermediate Range Ballistic Missile, Agni-3 from APJ Abdul Kalam Island
- DRDO's Compendium on Low Intensity Conflict Products Released
- Delivery of The Second Ship of Project 15b Y 12705 (Mormugao)
- Air Force to place order worth ₹ 1,400 cr for indigenous anti-radiation missiles
- India, Israel's 'Indo-Abrahamic Alliance' continues to gather pace
- The third generation Indian satellite for monitoring the oceans, formally named as Earth Observation Satellite-6 (EOS-6) was launched today by the Indian Space Research Organization (ISRO) in partnership with Ministry of Earth Sciences
- Launch of 'Ikshak' Third Ship of Survey Vessel (Large) Project on 26 Nov 22 at L&T, Kattupalli
- Argentina Puts India's LCA Tejas On Backburner; Starts Evaluating US-Origin F-16 Fighting Falcons In Denmark
- Union Minister Dr Jitendra Singh says, India taking steps for development of Small Modular Reactors (SMR), with up to 300 MW capacity to fulfill its commitment to Clean Energy transition
- India To Test K-4 Submarine Launched Ballistic Missile? 5,400 Km Long No Fly Zone Notified In Indian Ocean
- Exports of defence items, technology to reach Rs 17,000 crore in FY23



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B. Russia

- Russia worried by Islamic State's activity in northern Afghanistan – presidential envoy
- Missile wreckage in Polish photos identified as Ukraine's S-300, Russia's top brass says
- Defense firm delivers new batch of Su-34 bombers to Russian troops
- Exclusive Insight: Russia's Secret Air-to-Air Missile Shortage
- World Reactions to Russian Missile Strikes on Ukraine
- Russia's Use of Landmines in Ukraine Poses Threat
- SVR, CIA chiefs discussed non-use of nuclear arms in Ankara last week – Erdogan
- Russian air defenses destroy 15 HIMARS, Uragan rockets in Ukraine operation – top brass
- Russia Says Protective Zone Around Zaporozhye NPP Must Be Created as Soon as Possible
- Russian Authorities in Crimea to Strengthen Defenses Amid Ukrainian Gains
- Russia successfully conducts flight tests of Sarmat ICBM – commander
- Missile regiment near Orenburg being rearmed with Avangard system – Defense Ministry
- LPR counterintelligence detains suspect of terror attacks plotted before referendum
- Russian prisoners of war executed by soldiers from Ukraine's 80th brigade – LPR militia
- Russian forces wipe out US-made counter-battery radar in Ukraine operation – top brass
- Russian forces wipe out over 120 Ukrainian troops in DPR offensive – top brass
- Russian forces thwart Ukrainian army attempt to advance in Kupyansk area – top brass
- Russian air defenses destroy 10 combat drones in Ukraine operation – top brass
- Russian troops disrupt Kiev forces' attempt to attack towards LPR settlements – top brass
- Russian troops destroy four M777 howitzers used to shell Belgorod Region – top brass
- Russian Aerospace Forces destroy two HIMARS multiple rocket launchers – top brass
- Russia displays Shershen quadrotor capable of supersonic suppression of drones
- Russia working to build armored vehicles for Arctic, defense official says
- New Russian armor enables installation of extra protection in field conditions
- Rosatom CEO warns of nuclear disaster risk at Zaporozhye nuclear power plant
- Defense contractor delivers new batch of Su-30SM2 fighter jets to Russian troops
- Russia urges Turkey to end military campaign in Syria
- In Crimea, two drone attacks repelled, Russian-installed official says
- Kyrgyzstan Mulls Building Nuclear Plant With Russian Help
- Russian tech firm delivers advanced weapons to troops ahead of schedule
- Russian defense industry least impacted by Western sanctions, Rostec chief assures
- Armed conflicts show growing role of UAVs, unmanned ground vehicles, says Rostec chief
- Belarus and Russia Try to Blackmail Ukraine into Peace Talks
- Rosatom CEO doubts Kiev can decide on ZNPP security zone on its own
- Russia's two Tu-160 bombers conduct flight over neutral waters of Barents, Norwegian Seas

- Russia's Marine Corps reinforced by armored units – commander
- Putin expects special military operation to give unique boost to industries
- Putin praises Russian weapons as 'weapons of victory'
- Russia says its artillery foiled Ukrainian attack in LPR
- Russia says its forces destroyed a HIMARS munitions depot in Zaporozhye Region
- Russia says its artillery foiled Ukrainian attack toward Novosyolovskoye in LPR
- Russia says aircraft, rocket and artillery forces struck five Ukrainian command posts
- Russia says its troops stopped Ukraine from regaining positions in southern Donetsk Region
- Russia says its troops repelled Ukrainian counterattacks in Donetsk area
- Russia says its troops destroyed two Ukrainian Grad MLRS in Kharkov Region
- Russia says its air defenses shot down four HIMARS rockets over Kherson Region
- Peaceful Atom May Be Generated in Ghana, Nigeria, Kenya by 2023: IAEA
- Russia rehearses response to nuclear attack as tensions rise over "dirty bomb" allegation
- Kyiv expects more attacks and nuclear plant still under Russian control
- Moscow Postpones Scheduled Nuclear Arms Reduction Talks With U.S.
- Kremlin Denies Media Reports About Russia's Alleged Plans to Leave ZNPP
- Defense contractor delivers new top-notch military transport plane to Russian troops
- Russia's state-of-the-art missile frigate deploys to sea for shipbuilders' trials
- Russia postpones nuclear arms control talks with US, State Department says
- Meeting of Russia-US Commission on START Rescheduled for Later: Russian Foreign Ministry
- Moscow Sees No Signals That US Ready to Resume Talks With Russia on Strategic Stability
- Russia Expects US to Facilitate Meeting of Commission on START in 2023
- Russian Foreign Ministry: No Evidence That Tehran Wants to Develop Nuclear Weapons
- Moscow: Strategic Stability Dialogue is Possible if US Ready to Respect Russian Security Interests
- Russia to Develop Capital Construction for Nuclear Forces in 2023, Defense Minister Says
- Russian senators to demand Kiev stop attacking Zaporozhye nuclear power plant
- Russian, Chinese strategic bombers conduct joint aerial patrol in Asia-Pacific
- Russia to deploy new missile systems in five Strategic Missile Force formations – Shoigu
- Some 3,000 instructors training mobilized Russian troops, defense chief says
- Russia to boost defense procurement 50% to ensure 97% troop provision with weapons
- Any military clash between nuclear powers must be avoided at all costs – Lavrov

C. China

- US nuclear strategy gravely threatens global security
- Chinese private satellite firm Galactic Energy sends five satellites into a solar synchronous orbit
- U.S., China in new space race with Artemis lunar rocket launch
- North Korea fires suspected ICBM into waters off Japan
- China militarizes space, U.S. benefits mankind: Japan envoy Emanuel
- Does US have China in mind with F-22 deployment to its bases in Japan?

- Fraught AUKUS impedes momentum of better China-Australia ties
- US hypes China's JL-3 submarine-launched ballistic missile deployment 'with ulterior motives'
- Core components of China-made world's largest 'artificial sun' accomplished, new breakthrough in core technology
- Basic structure for Intl Lunar Research Station to be built by 2028: China lunar exploration chief designer
- China to Have Moon Base Powered by New Nuclear Power Plant by 2028, Lunar Exploration Chief Says
- China's J-15 carrier-based fighter jet to get domestic engines: report
- The cost of America's ban on Chinese chips
- Chinese envoy underscores nuclear facilities safety, support for Ukrainian refugees on UN emergency meeting
- China's space station will run high-energy beam experiment for controversial solar power plant: chief scientist
- China is ready to make a key component for the world's largest fusion reactor
- US push for hot war with nuclear powers a terrifying prospect
- China successfully tests first high-thrust reusable liquid oxygen-kerosene engine
- PLA Navy's another Type 055 large destroyer Anshan achieves operational capability, 'ready for far sea missions'
- China's nuclear industry progresses steadily and safely under CPC leadership, safeguarding energy security, green development
- U.K. Backs Giant Nuclear Plant, Squeezing Out China
- Starlink breaks space traffic safety rules and China may follow: study
- China could have 1,500 nuclear warheads by 2035: Pentagon report
- China sends new trio of mysterious spy satellites into orbit
- China launches Shenzhou-15 spaceship, aiming for first in-orbit crew rotation
- Chinese, Russian air forces hold 2nd joint strategic patrol of the year with 1st warplane exchange visits

D. Pakistan

- China displays advanced weapons, equipment at Pakistani defense expo
- Reports on BrahMos missile incident 'disingenuous attempt' to absolve India of its 'irresponsible nuclear behaviour': FO
- Pakistan Displays India's MiG-21 Bison's Tail Shot Down By PAF F-16 Fighter Jet At Its Defense Expo – Reports
- Chinese CH-4B Drone Spotted Over Balochistan; Reports Indicate Pakistan Army Is Using Them To Crush Rebellion
- Turkey's Fifth-Gen TF-X Fighter Jet Reaches Pakistan's Defense Expo Months After Reports Of Joint Production
- Pakistan 'Shows Off' Its Indigenous Shahpar-2 Combat UAV That Can 'See, Surround & Smash' Enemy Targets
- Istanbul Naval Shipyard Launches MILGEM Corvette "PNS KHAIBAR" For Pakistan Navy
- Pakistan, Türkiye promoting defense ties for peace not for war, says Premier Sharif
- Technical Problems Ground Myanmar's JF-17 Fighter Jets Bought From China
- Turkish-built corvettes to add strength to Pakistan's littoral defense: Navy commander

European Union

E. France

- France to Boost Cooperation With Indonesia on Warplanes & Submarines in Wake of AUKUS Humiliation
- Modern technology 'crucial to deter threats'
- After decades as a nuclear powerhouse, France makes its play in offshore wind
- France points at BAE Systems in Australia nuclear submarines row

F. Finland

- Finland to spend \$143 million on Russia border fence
- France, Germany, Spain agree on moving on with FCAS warplane development
- Finland buys more arms from United States as it boosts defences
- Finland may resume OL3 nuclear tests on Dec 11, operator says
- Finland and Sweden step up military aid to Ukraine ahead of winter
- Delay at Finland's New Nuclear Reactor Imperils Country's Power Supply

G. Germany

- Germany to withdraw troops from Mali by May 2024
- Germany Sends New Batch of Military Aid to Ukraine

H. NATO

- NATO Admits Zelensky 'Openly Lied' About Poland Strike as Observers Slam Kiev for Pushing for WW3
- NATO Disarming Its Forces as Ukraine Tries to Provoke World War III
- NATO vows to aid Ukraine 'for as long as it takes'
- NATO Head Stoltenberg Holds Press Conference After Ministerial Meeting in Bucharest
- NATO Adds 'Fuel to the Fire' in Bucharest, Would Be Termed Criminal Org in Nuremberg Trials- Experts

I. Poland

- World War III trending after missile in Poland
- World leaders meet on missile that hit Poland, killing 2
- Poland says blast likely caused by Ukraine missile in accident
- Poland stray missile hit casts spotlight on Nato air defence gaps

J. Sweden

- Sweden's Largest Reactor to Get Unplugged Amid Cold Spell, Affecting Power Prices

K. United Kingdom

- UK to Send 125 More Air Defense Systems to Ukraine, PM Sunak Says
- UK PM Rishi Sunak announces air defence package for Ukraine on first visit to Kyiv
- DPRK missile launch 'latest in a series of alarming activities' - UN political chief

- Belgium Threatens to Sink UK's Nuclear Deterrent by Freezing Export of Key Tech: Reports
- Belgium blocks export of nuclear technology to UK
- UK has 'deep' vulnerabilities, admits defence secretary
- Labour wants UK defence deal with Germany
- Small nuclear power plants to replace gas in quest for net zero
- Rolls-Royce in talks over first mini nuclear reactor for Ineos at Grangemouth
- 'Critical opportunity' to protect against biological warfare, countries hear
- UN envoy warns against 'worrying and dangerous' military escalation in Syria

L. Ukraine

- Destruction in Kiev caused by Ukrainian air defense missiles – Russian top brass
- Germany ready to patrol Polish airspace, Defense Ministry says
- G20 declaration in Bali puts Ukraine war's negative economic impact in focus
- Ukraine Urging NATO to Provide Defensive Fighter Jets
- Ukraine's plea to West for more air defences after Poland crisis
- Ukraine pleads for western air defences after Poland missile strike
- Zelensky Still Has Doubts About Missile that Hit Poland
- Ukraine Air Defenses Under Pressure as Russia Strikes Infrastructure
- Power Cuts and Infrastructure Damage After Russian Strike: Kyiv
- Ukraine's half energy system 'crippled by Russian strikes'
- Ukrainian forces hit Zaporozhye NPP 12 times on Nov 19
- Ukraine's troops continue to target ZNPP, shell it twice on Sunday – Russian top brass
- Massed Russian Tank Attacks a Thing of Past, Hundreds Destroyed
- Establishment of security zone around ZNPP to depend on Washington – Rosatom CEO
- Further Shelling of Zaporozhye NPP May Lead to Nuclear Disaster - Russia's Rosenergoatom
- President Zelensky urges EU to act after Russians 'bombard nuclear site'
- Ukrainian Troops Strike Zaporozhye Nuclear Plant Days After a Missile Hits Poland
- Politician explains why Ukraine resumed its bombardment of Zaporozhye nuke plant
- Zaporozhye NPP operator reports heaviest attacks from Ukrainians last weekend
- Ukrainians abandon offensive plans amid bad weather, lack of munition – LPR militia
- Distillate tanks damaged in Ukrainian attacks on Zaporozhye NPP, operator says
- Ukraine Defiant as Latest Russian Missile Strikes Cause Massive Blackouts
- Armed Hostile Conflict: Atrocity of Atrocities
- Ukraine: Missile strikes, summary executions highlight importance of international law
- "They're like zombies" – Ukrainian Soldiers Describe Fighting Russians in Donbas
- Ukraine Firing Thousands of Artillery Rounds a Day
- 'Little By Little': Ukraine Grinds Away on the Northeastern Front
- 100-mile strike weapon weighed for Ukraine as arms makers wrestle with demand
- Ukraine Urges Allies to Speed Up Support for Winter of War
- Ukraine Will Never Become NATO Member, US Military Analyst Says
- Strife between Ukrainian military, Polish mercenaries mounting – LPR militia

M. United States of America

- Pentagon audit eases Ukraine arms shipments, despite failing grade
- U.S. rejects funding to re-open Michigan nuclear plant -Holtec
- Biden administration will give PG&E \$1.1 billion to help keep California nuclear plant online
- Cyber as important as missile defences - ex-NATO general
- U.S. says continues to oppose any military action destabilizing Syria
- U.S. calls for U.N. Security Council president's statement on North Korea missiles
- U.S. authorizes \$400 mln in new military aid for Ukraine
- US facilities mark waste disposal progress
- Peninsula Energy to restart Wyoming uranium operation
- US Lawmaker: Artificial Intelligence Could Take Over World, More Dangerous Than Nukes
- US-Supplied Missile Injured Three in Ukrainian Apartment Block
- Star(t) Wars: Pentagon Accuses PRC of Militarizing Space, Threatening US Supremacy
- Pentagon Has No Plans to Provide Patriot Missiles to Ukraine
- Israel and US to Simulate Strike on Iran Nuclear Program During Air Drills
- US tells Turkey ground incursion in Syria 'will not resolve' its security concerns
- US Reportedly Mulling Expanding Training of Up to 2,500 Ukraine Troops Per Month in Germany
- Beijing: US Exaggerates 'Chinese Threat' to Justify Nuclear Buildup
- U.S. State Department approves potential anti-drone system sale to Qatar for \$1 billion

N. CANADA

- ARC SMR proposed for green energy hub at Canadian port

O. Africa

- Nuclear Power Could Solve Africa's Poverty Problem, Activist Says

West Asia

P. Iran

- Biden's humbug: Tells Iran 'in hurry' to revive JCPOA; tells US media 'not a priority'
- U.S. slaps fresh sanctions on certain Iranian companies
- Iran warns IAEA resolution will have 'adverse effects' on resolving remaining issues
- Iran to respond to IAEA resolution firmly: Nuclear chief
- Iran didn't provide Russia with drones for use in Ukraine: envoy
- U.S. set to send unmanned warships to Persian Gulf amid Iran stark warnings
- Iran initiates new round of drone-missile attack on separatist
- IAEA's Grossi dismisses allegations Iran has nuclear weapons program
- Before firing missile, Iraq had been warned
- Iran censures politically-driven IAEA board resolution adopted under US-E3 pressure
- Iran rejects Washington Post claim on drone deal with Russia, says in talks with Ukraine
- 60 percent enrichment at Fordow; Iran responds to IAEA

- Iranian Navy to unveil maritime combat helicopters
- Iranian, Ukrainian specialists meet to clear up drone ambiguities
- Iran says IAEA declares dairy farm as nuclear site
- Iranian Army Receives First Smart Air Defense System
- Iran, India hold political consultations
- Germany was 'main provider' of chemical arms to Saddam, Iran says
- 60% enrichment a response to IAEA resolution: Iranian MP
- Unrest fails to impact Iran nuclear redlines
- Germany had vital role in arming Saddam with chemical bombs: Foreign Ministry
- German, US companies should be brought to justice: Deputy FM
- Iran's supersonic missiles render enemy defenses inoperable for decades: IRGC general

Q. Israel

- Israel, US point at Iran after 'projectile' hits tanker off Oman
- Readout of U.S.-Israel Defense Policy Advisory Group
- Israel thinks Iran 2 years from being able to detonate nuke - exclusive
- Ukraine's full-circle on Iron Dome air defence may pan out with new Israeli PM
- IDF chief presses US to step up joint plans to counter Iran militarily
- Striking From Chabahar, Iran Launched Shahed-136 UAV To Strike Israeli Tanker, US Navy Investigation Report
- Israel's National Drone Initiative enters second phase
- Iran nuclear program must be destroyed, says Israeli nuclear physicist
- Israel, US to hold air drill simulating striking Iran nuclear program
- Israel Believes Chance of New Iran Nuclear Deal 'Near-zero' Due to Russia Aid
- Report: Senior Ukraine defense ministry mission visited Israel
- How Israel is preparing the next generation of cyber soldiers
- Israeli parts found in Iranian drones used by Russia - WSJ
- If China increases nuke arsenal to 1,500, what does it mean for Israel? - analysis
- The Israel-India partnership has incredible potential: HE Naor Gilon to ETILC CXOs
- WATCH: Israeli Navy vessels gain ability to intercept cruise missiles in landmark test

R. Syria

- Mikdad arrives in New Delhi on an official visit
- Mikdad meets Vice President of India, talks deal with latest developments
- Khaddour: Israel's nuclear weapons threaten region's stability
- Mikdad, Jaishankar discuss cooperation, war on terror
- Mikdad gives presentation on latest developments in Syria, the region and Syrian-Indian relations

S. Turkey

- Favorable developments on US' F-16 sale to Türkiye: Erdoğan
- Turkish defense firms see hundreds of visitors at Pakistan fair
- 'Italian PM willing to solve issues on Türkiye's SAMP/T acquisition'
- Türkiye's 1st unmanned fighter jet's maiden flight due after ground tests
- Türkiye says S-400 defense system ready to use if threatened

- Latest Türkiye-made warship tailored for Pakistan touts strong defense co-op
- Turkish-built corvettes to add strength to Pakistan's littoral defense: Navy commander

T. Qatar

- US approves sale of counter-drone systems to Qatar in \$1B deal

East Asia

U. Japan

- Japan's changing nuclear energy policy
- IAEA review of Fukushima water discharge progresses
- Japan nuclear watchdog considering extending reactor life
- Japan sees increase in reliance on renewables and nuclear power
- Japan and Poland to begin work on high-temperature reactor design
- Japan holds interceptor drill near nuclear plant amid North Korea threats
- 'A form of self-destruction': Japan weighs up plan to expand nuclear power
- Turtlenecks and nuclear power return to favour in Japan

V. North Korea

- North Korea fires suspected ICBM into waters off Japan
- North Korea fired Hwasong-17 ICBM on November 18 – KCNA
- North Korea, vowing to counter threats with nukes, says test was of new ICBM
- As North Korea readies for a nuclear test, does it have a new doctrine?
- UN Security Council members condemn North Korean missile launch
- Kim vows North Korea to have world's most powerful nuclear force
- Kim Jong Un Emphasizes Nuclear Development as North Korea's 'Ultimate Goal'

W. South Korea

- Exclusive: South Korea's Yoon warns of unprecedented response to North Korea nuclear test, calls on China to do more

X. New Zealand

- New Zealand Defense Minister Visits Ukraine for First Time

Y. Opinion

- The F-16 and Nuclear Security: The Fault Lines in the U.S.-Pakistani Relationship

A. India

From UAVs to refuellers: How Israel is helping India keep an eye on LAC

The Indian Express, November 18, 2022

These days, Avi Bleser, vice-president of marketing for India at Israel Aerospace Industries (IAI), says he is working closely with the Indian Army and Indian Air Force to tailor solutions for their defence needs. He has accompanied Indian troops on their battle readiness exercises, sat at the table with defence ministers, addressed chief ministers of five states on the use of unmanned aerial vehicles (UAVs) to gather intelligence about Naxals, and once even joined the Andhra Pradesh police out on a mission. Ever since the Galwan incident of 2020, he has been keeping a close watch on the Sino-Indian boundary. Last year, the Indian Army had also taken on lease Heron TPs, a Medium Altitude Long Endurance (MALE) Unmanned Aerial System (UAS) for all-weather missions, from IAI. Heron TP drones are one of the two drones made in Israel that can be armed, if needed.

<https://indianexpress.com/article/india/from-uavs-to-refuellers-how-israel-is-helping-india-keep-an-eye-on-lac-8272676/>

ISRO makes history today by successfully launching India's maiden private Vikram-suborbital (VKS) rocket to grace the skies

PIB, November 18, 2022

Soon after the successful launch of India's first ever private Rocket launch, Union Minister Dr Jitendra Singh, who was personally present at the launching site, in his very first reaction said, "Congratulations India! A new beginning in India's Space journey ! Thanks so very much PM Narendra Modi ji for making this effort possible by opening the Space sector to public-private-participation. A turning point for India's Start-Up movement! Kudos ISRO for a new feather in your much decorated hat". The Minister says, this is a major milestone in the journey of ISRO, after Prime Minister Modi unlocked the Space Sector in

2020 for private participation. ISRO says, "Mission Prarambh is successfully accomplished", while the Skyroot Aerospace said, "Vikram-S makes history as the first private rocket of India to grace the skies" Indian Space Research Organisation (ISRO) made history today by launching successfully India's maiden private Vikram-suborbital (VKS) rocket.

<https://pib.gov.in/>

[PressReleasePage.aspx?PRID=1877015](https://pib.gov.in/PressReleasePage.aspx?PRID=1877015)

Three Indian speakers at global nuclear power event AtomExpo in Russia

The Economic Times, November 16, 2022

After a gap of two years due to Covid-19, the global nuclear industry's leading exhibition-cum-business platform will kickstart in Russia again on Monday. The two-day event is organised by Russia's integrated nuclear power player Rosatom and also feature three speakers from India. The mega global nuclear power event has been held in Russia since 2009. Apart from the exhibition, the event format includes a Congress with an extensive business programme centered on a plenary session with top management and chief executives participating. Topics for panel discussions and round tables encompass the most important issues in the nuclear industry today.

<https://energy.economictimes.indiatimes.com/news/power/three-indian-speakers-at-global-nuclear-power-event-atomexpo-in-russia/95649663>

Russia offers new nuclear fuel solutions for India's atomic reactors

Hindustan Times, November 22, 2022

Russia has offered new technologies and solutions for the nuclear fuel cycle of India's atomic power plants that are aimed at enhancing the efficiency of the reactors at the Kudankulam power project. The new technologies were unveiled by Alexander Ugrumov, the senior vice-president for research and

development at TVEL, the fuel division of Russia's state-run Rosatom corporation, while participating at a conference in Hyderabad. These solutions can enhance the efficiency of the existing VVER-1000 reactors at Kudankulam and the ones under construction, Rosatom said on Tuesday. Two Russian-designed 1,000-MW pressurised water reactors are currently operational at the Kundankulam power project and four more reactors are being built at the site in Tamil Nadu. Russia has continued supplying crucial components for the project despite uncertainties created by the conflict in Ukraine.

<https://www.hindustantimes.com/india-news/russia-offers-new-nuclear-fuel-solutions-for-india-s-atomic-reactors-101669119677843.html>

India condemns recent intercontinental ballistic missile launch by North Korea

The Economic Times, November 22, 2022

India has joined the US and a dozen other nations to condemn North Korea's recent intercontinental ballistic missile launch, with New Delhi voicing concern over the proliferation of nuclear and missile technologies, saying they have an "adverse impact" on peace and security in the region, including on India. India's Permanent Representative to the UN Ambassador Ruchira Kamboj told the UN Security Council meeting on North Korea on Monday – the Council met for the second time this month on the issue – that New Delhi condemns the recent intercontinental ballistic missile launch by North Korea. The latest North Korean missile launch on November 18 which landed about 125 miles from Japan's coastline came after other ballistic missile launches in the preceding months. Kamboj said these launches constitute a violation of the resolutions of the Security Council relating to the Democratic People's Republic of Korea and affect the peace and security of the region and beyond.

<https://economictimes.indiatimes.com/news/defence/india-condemns-recent-intercontinental-ballistic-missile-launch-by-north-korea/articleshow/95675287.cms>

India carries out successful training launch of Intermediate Range Ballistic Missile, Agni-3 from APJ Abdul Kalam Island

PIB, November 23, 2022

India carried out a successful training launch of an Intermediate Range Ballistic Missile, Agni-3 from APJ Abdul Kalam Island, Odisha on November 23, 2022. The successful test was part of routine user training launches carried out under the aegis of the Strategic Forces Command. The launch was carried out for a predetermined range and validated all operational parameters of the system.

<https://pib.gov.in/PressReleasePage.aspx?PRID=1878370>

DRDO's Compendium on Low Intensity Conflict Products Released

PIB, November 23, 2022

DRDO's Compendium on Low Intensity Conflict (LIC) Products was released jointly today by the Union Home Secretary Shri Ajay Kumar Bhalla and Secretary DDR&D & Chairman DRDO Dr Samir V Kamat. In line with the "Atmanirbhar Bharat" campaign of the Government of India, the compendium consists of more than 100 technologies, systems and products developed by DRDO for LIC operations. It is a valuable repository of information for the central security forces. The collaboration, institutionalised to develop technologies and systems for Low Intensity Conflict (LIC) operations, has helped DRDO to develop many products and systems required for the central security forces during LIC operations. The collaboration has also helped in identifying futuristic requirements for LIC operations and defining the roadmap for their development.

<https://pib.gov.in/PressReleasePage.aspx?PRID=1878319>

Delivery of The Second Ship of Project 15b Y 12705 (Mormugao)

PIB, November 24, 2022

Y 12705 (Mormugao), the second ship of Project 15B stealth guided missile destroyers being built at Mazagon Dock Shipbuilders Limited (MDL), was delivered to the Indian Navy on 24 Nov 22. The contract for four ships of Project 15B was signed on 28 January 2011. This Project is a follow-on of the Kolkata class (Project 15A) destroyers commissioned in the last decade and the lead ship of the Project - INS Visakhapatnam has already been commissioned into the Indian Navy on 21 Nov 21. Designed by the Warship Design Bureau, Indian Navy's in-house organisation; and built by M/s Mazagon Dock Shipbuilders Ltd, Mumbai; the four ships of the Project are christened after major cities from all four corners of the country, viz. Visakhapatnam, Mormugao, Imphal and Surat.

<https://pib.gov.in/PressReleasePage.aspx?PRID=1878523>

Air Force to place order worth 1,400 cr for indigenous anti-radiation missiles

Livemint, November 24, 2022

As India is looking towards more indigenously developed defense systems, the Indian Air Force decided to take one more step in that direction with a proposal worth Rs. 1400 crore for the acquisition of Rudram's next-generation anti-radiation missiles (NGARM). The senior officials from the defense establishment informed that the missiles are crucial for search and destroy operations in enemy territories. "A proposal for acquisition of advanced missiles developed by the Defence Research and Development Organisation is with the Defence Ministry and a high-level meeting would soon be taking a call on it," defense officials told news agency ANI.

<https://www.livemint.com/news/india/air-force-to-place-order-worth-rs-1-400-cr-for-indigenous-anti-radiation-missiles-11669292721626.html>

India, Israel's 'Indo-Abrahamic Alliance' continues to gather pace

The Jerusalem Post, November 25, 2022

This week marks 14 years since the Mumbai terror attacks. Between November 26 and 29, 2008, operatives of the Islamist Lashkar a-Taiba organization struck at 12 sites across the city of Mumbai. Among the locations targeted was the Nariman House, host to a Chabad center. Rabbi Gabriel Holzberg and his wife Rivka, who was six months pregnant at the time of the attack, were murdered along with four other hostages. The attackers were later neutralized after an Indian special police squad stormed the building. Famously, Sandra Samuel, a local caregiver employed at the Chabad House, rescued the Holzbergs' two-year-old son, Moshe, and carried him to safety from the building.

<https://www.jpost.com/international/article-723316>

The third generation Indian satellite for monitoring the oceans, formally named as Earth Observation Satellite-6 (EOS-6) was launched today by the Indian Space Research Organization (ISRO) in partnership with Ministry of Earth Sciences

PIB, November 26, 2022

The third generation Indian satellite for monitoring the oceans, formally named as Earth Observation Satellite-6 (EOS-6) was launched today by the Indian Space Research Organization (ISRO) in partnership with Ministry of Earth Sciences (MoES) among others, from its First Launch Pad (FLP) at Satish Dhawan Space Centre (SDSC), Sriharikota. The ocean observing mission is a follow up to OceanSat-1 or IRS-P4 and OceanSat-2 launched in 1999 and 2009, respectively. The satellite was launched aboard the proven launch vehicle PSLV (Polar Satellite Launch Vehicle) on its 56th flight (24th flight of the PSLV-XL version). Today's launch, designed as PSLV-C54,

also accommodated other small satellites along with Oceansat-3. The Oceansat-3 was placed in the polar orbit at the height of about 740 kilometers above sea level. While at ~1100 kilograms, it is only slightly heavier than Oceansat-1, for the first time in this series it houses three ocean observing sensors viz Ocean Color Monitor (OCM-3), Sea Surface Temperature Monitor (SSTM), and Ku-Band scatterometer (SCAT-3). There is also an ARGOS payload. All these sensors have their own importance for India's blue economy aspirations.

<https://pib.gov.in/PressReleasePage.aspx?PRID=1879122>

Launch of 'Ikshak' Third Ship of Survey Vessel (Large) Project on 26 Nov 22 at L&T, Kattupalli

PIB, November 26, 2022

'Ikshak', the third of the four Survey Vessels (Large) (SVL) Project, being built by GRSE/L&T for Indian Navy was launched on 26 Nov 22 at Kattupalli, Chennai. She made her first contact with water of Bay of Bengal at 1040 hrs at the Launch Ceremony graced by the VAdm MA Hampiholi, Flag Officer Commanding in Chief, Southern Naval Command. In keeping with the Naval maritime tradition, Smt Madhumati Hampiholi, spouse of VAdm MA Hampiholi, launched the ship to the chanting of invocation from Atharva Veda. The ship has been named 'Ikshak' which means 'Guide'. The ship has been named to signify the contribution of the Survey ships towards facilitating safe passage for Mariners at Sea.

<https://pib.gov.in/PressReleasePage.aspx?PRID=1879094>

Argentina Puts India's LCA Tejas On Backburner; Starts Evaluating US-Origin F-16 Fighting Falcons In Denmark

Eurasian Times, November 27, 2022

A top delegation of the Argentine Air Force is reportedly in Denmark to evaluate second-hand F-16 fighter jets. The South American nation appears to have postponed the

technical evaluation of India's Tejas Light combat aircraft (LCA). Along with the Danish alternative, Argentina is also considering the Chinese-built JF-17 Thunder and India's Hindustan Aeronautic Limited (HAL) Tejas aircraft. The service has been attempting to examine the different aspects of fighter jets before making the final decision. The delegation is conducting technical assessments of the Danish F-16 A/B MLU fighter bomber jets for the procurement process. Director of Plans, Programs, and Budget for the Argentine Air Force, Brigadier Diego Garcia, stated that the delegation consisted of experts and technicians that went to the European nation to assess the offered aircraft.

<https://eurasianimes.com/argentina-puts-indias-lca-tejas-on-backburner-f-16/>

Union Minister Dr Jitendra Singh says, India taking steps for development of Small Modular Reactors (SMR), with up to 300 MW capacity to fulfill its commitment to Clean Energy transition

PIB, November 27, 2022

Union Minister of State (Independent Charge) Science & Technology; Minister of State (Independent Charge) Atomic Energy and Space, Dr Jitendra Singh today said, India is taking steps for development of Small Modular Reactors (SMR), with up to 300 MW capacity to fulfill its commitment to Clean Energy transition. In his address to a Workshop on Small Modular Reactors (SMR) organized by NITI Aayog and Department of Atomic Energy, Dr Jitendra Singh said, the participation of private sector and Start-ups needs to be explored in development of this critical technology within India. He emphasized that technology sharing and availability of funding are the two crucial links for ensuring commercial availability of SMR technology.

<https://pib.gov.in/PressReleasePage.aspx?PRID=1879298>

India To Test K-4 Submarine Launched Ballistic Missile? 5,400 Km Long No Fly Zone Notified In Indian Ocean

Swarajya, November 29, 2022

India has notified a no-fly zone, indicative of a likely missile test, in a large part of the Indian Ocean for 15 and 16 December. The notification suggests that the missile likely to be tested will fly to a maximum distance of 5,400 kilometers. Experts believe India is preparing to test its K-4 submarine-launched ballistic missile (SLBM) or land-based Agni-V missile. While the latter has a stated range of 5,000 km, the former is believed to be capable of striking targets up to a range of 3,500-4,000 km. Earlier this month, India cancelled a notification for a no-fly zone after two Chinese intelligence-gathering vessels entered the Indian Ocean. Equipped with advanced sensors, these Chinese ships can track ballistic missiles and satellites and gather signal intelligence.

<https://swarajyamag.com/news-brief/india-to-test-k-4-submarine-launched-ballistic-missile-5400-km-long-no-fly-zone-notified-in-indian-ocean>

Exports of defence items, technology to reach Rs 17,000 crore in FY23

The Economic Times, November 29, 2022

The increased partnership with the private sector has led to a substantial rise in defence exports. India achieved exports of defence items and technology worth a record Rs 13,000 crores in 2021-22 and this figure is likely to rise to Rs 17,000 crores in 2022-23, stated Srikar K. Reddy, Joint Secretary, Department of Commerce, Government of India on Tuesday while addressing the 2nd edition of India MSME Defence Week. "Several factors like rising demand, greater innovation, more conducive policies and a maturing ecosystem in defence and aerospace manufacturing space are leading to the growth in the sector," he added in the statement. Reddy

was speaking at the event organized by EEPIC India.

<https://economictimes.indiatimes.com/small-biz/sme-sector/exports-of-defence-items-technology-to-reach-rs-17000-crore-in-fy23/articleshow/95854984.cms>

B. Russia

Russia worried by Islamic State's activity in northern Afghanistan – presidential envoy

Tass Russian News Agency, November 16, 2022

At the same time, Russia, Zamir Kabulov said, "appreciates the current authorities' determination to tune up the state apparatus, help ease socio-economic tensions and prevent the spread of terrorism and drugs". Russia finds worrisome the activity of the Islamic State (recognized as a terrorist organization and banned in Russia - TASS) in the northern regions of Afghanistan, the special presidential representative for Afghanistan, director of the Foreign Ministry's second Asian department Zamir Kabulov said at consultations on Afghanistan in Moscow on Wednesday.

<https://tass.com/defense/1537491>

Missile wreckage in Polish photos identified as Ukraine's S-300, Russia's top brass says

Tass Russian News Agency, November 16, 2022

It was emphasized that the precision strikes were delivered against targets solely on Ukrainian territory and at a distance of not closer than 35 km from the border between Ukraine and Poland. Russian defense experts have identified the missile wreckage in photos taken by Poland as elements of Ukraine's S-300 missile system, Russia's top brass reported on Wednesday.

<https://tass.com/defense/1537599>

Defense firm delivers new batch of Su-34 bombers to Russian troops

Tass Russian News Agency, November 16, 2022

A new batch of Su-34 frontline bombers has arrived for Russian troops, Russia's government announced on its website on Wednesday. "A new batch of new Su-34 warplanes has been manufactured at the Chkalov Novosibirsk aviation plant of the United Aircraft Corporation (part of the state tech corporation Rostec). The planes have undergone a series of ground and flight tests and performed a flight to the place of their service," the statement reads.

<https://tass.com/defense/1537767>

Exclusive Insight: Russia's Secret Air-to-Air Missile Shortage

Kyiv Post, November 16, 2022

This article was drafted and submitted to the U.S. Defense Department for Security Review on 4 Nov., a week before Russia's withdrawal from Kherson. Given that withdrawal, the premise of this article resonates even greater. In mid-October, Asia Times published an article stating Russia was seeking Iranian missiles to replenish their ballistic ground-to-ground missile stocks. This isn't surprising given the massive number of missiles employed to date since Russia's illegal invasion of Ukraine. Extrapolating Russia's need for increased ground-to-ground missile stocks, however, presents an interesting question. What about their air-to-air missile inventory? Recent press out of Russia suggests a problem... a far greater problem.

<https://www.kyivpost.com/opinion/182>

World Reactions to Russian Missile Strikes on Ukraine

Kyiv Post, November 16, 2022

The missile attacks that occurred in Kyiv and all over Ukraine on Tuesday afternoon, Nov.

15, drew swift responses from top officials both domestically and abroad, as well as from journalists and members of the general public. Kyrylo Tymoshenko, the deputy chairman of the Ukrainian president's office, posted a video of at least one five-story building on fire to social media. Tymoshenko said on Telegram: "Most hits were recorded in the center and north of the country."

<https://www.kyivpost.com/post/181>

Russia's Use of Landmines in Ukraine Poses Threat

Kyiv Post, November 17, 2022

Russia's use of landmines in Ukraine, including newly produced models, threatens to overturn progress made on the issue over the past 25 years, a monitor said Thursday, Nov. 17. Moscow has been developing new anti-personnel mines and has used ones made as recently as 2021 in its war in Ukraine, the Landmine Monitor said. The monitor said the use of landmines in Ukraine — and also in Myanmar — marred the 25th anniversary of the Mine Ban Treaty, which was created in Ottawa in 1997.

<https://www.kyivpost.com/post/163>

SVR, CIA chiefs discussed non-use of nuclear arms in Ankara last week — Erdogan

Tass Russian News Agency, November 17, 2022

The director of Russia's foreign intelligence SVR, Sergey Naryshkin, and the director of the United States' Central Intelligence Agency, William Burns, at their meeting in Ankara last week discussed the non-use of nuclear weapons, Turkey's President Recep Tayyip Erdogan told the journalists of the presidential pool upon his return from the G20 summit in Bali.

<https://tass.com/world/1538109>

Russian air defenses destroy 15 HIMARS, Uragan rockets in Ukraine operation – top brass

Tass Russian News Agency, November 17, 2022

Russian air defense forces destroyed 11 HIMARS, two Uragan and two Olkha rockets in the past day in the special military operation in Ukraine, Defense Ministry Spokesman Lieutenant-General Igor Konashenkov reported on Thursday. “A total of 15 rockets were intercepted, including 11 munitions of the HIMARS multiple launch rocket system in the areas of the communities of Guselskoye in the Donetsk People’s Republic and Zimogorye in the Lugansk People’s Republic and Skadovsk in the Kherson Region,” the spokesman said.

<https://tass.com/defense/1538411>

Russia Says Protective Zone Around Zaporozhye NPP Must Be Created as Soon as Possible

Sputnik International, November 17, 2022

Russian Deputy Foreign Minister Sergey Vershinin told Sputnik that it was necessary to agree on the creation of a security zone around the Zaporozhye nuclear power plant (NPP) as soon as possible, and Moscow is in contact with the International Atomic Energy Agency (IAEA) on this issue. “Negotiations are continuing on the creation of an operational and physical nuclear safety zone around the Zaporozhye NPP. We are in close contact with the IAEA secretariat and personally with the agency’s director general, Rafael Grossi, on this issue. We share his opinion that this must be done as soon as possible,” Vershinin said.

<https://sputniknews.com/20221117/russia-says-protective-zone-around-zaporozhye-npp-must-be-created-as-soon-as-possible-1104321496.html>

Russian Authorities in Crimea to Strengthen Defenses Amid Ukrainian Gains

The Moscow Times, November 18, 2022

Russian authorities in annexed Crimea are fortifying the peninsula’s defensive

positions, its governor said Friday in a signal of Moscow’s growing concerns over Ukrainian forces’ push to reclaim captured territories in the south. Attacks on the Black Sea peninsula have increased in recent weeks as Kyiv presses on with a counteroffensive to retake territory in southern Ukraine. “Fortification works aimed at guaranteeing Crimeans’ security are being conducted under my supervision,” said Crimea’s Russian Governor Sergei Aksyonov.

<https://www.themoscowtimes.com/2022/11/18/russian-authorities-in-crimea-to-strengthen-defenses-amid-ukrainian-gains-a79423>

Russia successfully conducts flight tests of Sarmat ICBM – commander

Tass Russian News Agency, November 18, 2022

Russia’s Strategic Missile Force successfully conducted flight tests of the advanced RS-28 Sarmat silo-based intercontinental ballistic missile (ICBM), Strategic Missile Force Commander Colonel-General Sergey Karakayev said at an enlarged meeting of its Military Council on Friday. “The Strategic Missile Force continues its rearmament for advanced missile systems. The flight tests of the Sarmat missile system have been successfully carried out. The Yars road-mobile missile system has also proven its capabilities by launches at the Plesetsk state testing spaceport,” the Defense Ministry quoted the commander as saying.

<https://tass.com/defense/1539013>

Missile regiment near Orenburg being rearmed with Avangard system – Defense Ministry

Tass Russian News Agency, November 18, 2022

Russia’s Strategic Missile Force has begun to rearm another regiment of the Yasnensky missile formation with the Avangard system, the Defense Ministry said on Friday. “In the Orenburg region, work is underway to re-arm the

Yasnensky formation of the Strategic Missile Force with the Avangard silo-based missile system," the Defense Ministry said. The missile is currently being placed into the silo.

<https://tass.com/defense/1539059>

LPR counterintelligence detains suspect of terror attacks plotted before referendum

Tass Russian News Agency, November 18, 2022

The detainee confessed that he agreed to assassinate the head of the Belovodsky district and Goncharov showed him where the weapons were located and where he was to wait for the official. Counterintelligence of the Lugansk People's Republic (LPR) apprehended a suspect in the terrorist attacks planned in the republic before the referendum on accession to Russia and established their architect, a source in the republic's security services told TASS on Friday.

<https://tass.com/defense/1539087>

Russian prisoners of war executed by soldiers from Ukraine's 80th brigade – LPR militia

Tass Russian News Agency, November 19, 2022

Russian prisoners of war were shot dead in the village of Makeyevka in the Lugansk People's Republic (LPR) by soldiers of the 80th Separate Air Assault Brigade of the Ukrainian armed forces, Andrey Marochko, an officer of the LPR People's Militia, told TASS on Friday. "The 80th Separate Air Assault Brigade of the Ukrainian armed formations will now be public enemy number one for our servicemen after what they have done in Makeyevka," he said.

<https://tass.com/defense/1539111>

Russian forces wipe out US-made counter-battery radar in Ukraine

operation – top brass

Tass Russian News Agency, November 19, 2022

Russian forces destroyed a US-made AN/TPQ-50 counter-battery radar of the Ukrainian army in the Donetsk People's Republic in the past day during the special military operation in Ukraine, Defense Ministry Spokesman Lieutenant-General Igor Konashenkov reported on Saturday. "In the area of the settlement of Avdeyevka in the Donetsk People's Republic, an AN/TPQ-50 counter-battery radar of US manufacture was obliterated," the spokesman said.

<https://tass.com/defense/1539257>

Russian forces wipe out over 120 Ukrainian troops in DPR offensive – top brass

Tass Russian News Agency, November 19, 2022

"In the Donetsk People's Republic, over 120 Ukrainian servicemen, two tanks, three combat armored vehicles and seven motor vehicles were eliminated during the offensive operations by Russian troops," the spokesman said. Russian army units eliminated over 120 Ukrainian troops in their offensive in the Donetsk People's Republic (DPR), Defense Ministry Spokesman Lieutenant-General Igor Konashenkov reported on Saturday.

<https://tass.com/defense/1539259>

Russian forces thwart Ukrainian army attempt to advance in Kupyansk area – top brass

Tass Russian News Agency, November 19, 2022

During the combat, Russian forces destroyed enemy manpower and military equipment, the general said. Russian forces thwarted an attempt by Ukrainian troops reinforced by mercenaries to advance in

the Kupyansk area, eliminating over 60 militants, Defense Ministry Spokesman Lieutenant-General Igor Konashenkov reported on Saturday.

<https://tass.com/defense/1539283>

Russian air defenses destroy 10 combat drones in Ukraine operation – top brass

Tass Russian News Agency, November 19, 2022

“In the past 24 hours, air defense capabilities shot down ten enemy unmanned aerial vehicles in the areas of the settlements of Kremennaya and Novokrasnyanka in the Lugansk People’s Republic, Novotroitskoye, Maksimovka, Olginka and Ugledar in the Donetsk People’s Republic,” the spokesman said. Russian air defense forces destroyed ten Ukrainian unmanned aerial vehicles in the past day during the special military operation in Ukraine, Defense Ministry Spokesman Lieutenant-General Igor Konashenkov reported on Saturday.

<https://tass.com/defense/1539287>

Russian troops disrupt Kiev forces’ attempt to attack towards LPR settlements – top brass

Tass Russian News Agency, November 20, 2022

According to Konashenkov, over 30 Ukrainian servicemen and mercenaries, three armored combat vehicles and five pickup trucks were destroyed in the direction of Krasny Liman during the day. Russian troops disrupted an attempt by the Ukrainian army to attack towards three settlements in the Lugansk People’s Republic (LPR) with artillery fire, in which more than 30 Ukrainian military were eliminated, Defense Ministry Spokesman, Lieutenant General Igor Konashenkov, said on Sunday.

<https://tass.com/defense/1539435>

Russian troops destroy four M777 howitzers used to shell Belgorod Region – top brass

Tass Russian News Agency, November 20, 2022

In the counterbattery fight, an artillery division of the 40th Artillery Brigade of the Ukrainian army was defeated, Russian Defense Ministry Spokesman, Lieutenant General Igor Konashenkov said. The Russian Armed Forces have hit an artillery division of the Ukrainian army in the Kharkov Region, which was shelling residential areas of the Belgorod Region, Russian Defense Ministry Spokesman, Lieutenant General Igor Konashenkov, told a briefing on Sunday.

<https://tass.com/defense/1539443>

Russian Aerospace Forces destroy two HIMARS multiple rocket launchers – top brass

Tass Russian News Agency, November 20, 2022

In the past 24 hours, Russian air defense capabilities shot down six unmanned aerial vehicles of the Ukrainian army in the DPR, as well as two Olkha rockets, Defense Ministry Spokesman Igor Konashenkov said. High-precision missiles of the Russian Aerospace Troops have destroyed two HIMARS multiple rocket launchers in the DPR, Defense Ministry Spokesman Igor Konashenkov told a briefing on Sunday.

<https://tass.com/defense/1539447>

Russia displays Shershen quadrotor capable of supersonic suppression of drones

Tass Russian News Agency, November 21, 2022

Shershen drones can also be used in the oil and gas sector for control of oil and natural gas pipelines and environmental

monitoring. The Shershen quadrotor that can suppress unmanned aerial vehicles (UAVs) and disperse riots with supersonic sound was exhibited for the first time at the Aeronet-2035 drone show in Moscow, Vitaly Dolgov, who heads a lab at the Kartsev Research Institute, told TASS.

<https://tass.com/defense/1539541>

Russia working to build armored vehicles for Arctic, defense official says

Tass Russian News Agency, November 21, 2022

According to the defense official, work is also underway to build army snowmobiles, utility terrain vehicles and all-terrain vehicles on ultra-low pressure tires. Russia is currently building a new two-unit transporter and upgrading the vehicles in service with units deployed in the Arctic, Chief of the Defense Ministry's Main Automotive and Armor Department Major-General Alexander Shestakov wrote in his article for the Krasnaya Zvezda newspaper.

<https://tass.com/defense/1539547>

New Russian armor enables installation of extra protection in field conditions

Tass Russian News Agency, November 21, 2022

Protective armor sets are produced separately and delivered to the troops, Alexander Shestakov specified. All of Russia's new armor allows installing extra protection in field conditions, Chief of the Russian Defense Ministry's Automotive Armor Department Major-General Alexander Shestakov said in an interview with the Krasnaya Zvezda newspaper on Monday.

<https://tass.com/defense/1539663>

Rosatom CEO warns of nuclear disaster risk at Zaporozhye nuclear power plant

Tass Russian News Agency, November 21, 2022

The Russian Defense Ministry recently reported that the Ukrainian Armed Forces had resumed shelling attacks on the Zaporozhye Nuclear Power Plant after a two-month break. A chance of a nuclear disaster at the Zaporozhye Nuclear Power Plant exists, Rosatom Chief Executive Officer Alexey Likhachev told reporters.

<https://tass.com/defense/1539767>

Defense contractor delivers new batch of Su-30SM2 fighter jets to Russian troops

Tass Russian News Agency, November 21, 2022

The Irkutsk Aviation Plant of the United Aircraft Corporation also has manufactured and delivered new Yak-130 combat trainer aircraft to the Defense Ministry of Russia. The United Aircraft Corporation manufactured and delivered a batch of new Su-30SM2 fighter jets and Yak-130 combat trainers to the Defense Ministry, the Russian government said in a statement released on Monday.

<https://tass.com/defense/1539875>

Russia urges Turkey to end military campaign in Syria

Albawaba, November 22, 2022

International pressure mounted Tuesday on Turkish President Recep Tayyip Erdogan not to launch a threatened ground offensive against Kurdish fighters in Syria. Ankara carried out a series of air strikes in Operation Claw-Sword on Sunday, hitting dozens of Kurdish militant

targets across Iraq and Syria, and announcing that its military was once again “on top of the terrorists”.

<https://www.albawaba.com/news/russia-pleads-russia-stop-its-military-campaign-syria-1499620>

In Crimea, two drone attacks repelled, Russian-installed official says

Reuters, November 23, 2022

Russian air defences on Tuesday repelled two drone attacks in Crimea, annexed from Ukraine in 2014, including one attack targeting a power station, the regional governor said in a statement. Russian-installed Governor Mikhail Razvozhayev said the second attack was repelled over the sea off the peninsula. He called for calm and said no damage had been caused. “The Ukrainian Nazis have again tried to attack our thermal power station at Balaklava,” Razvozhayev said on Telegram, referring to a facility near Sevastopol, the home port of Russia’s Black Sea naval fleet.

<https://www.reuters.com/world/europe/air-defences-activated-crimea-two-drones-shot-down-russian-installed-official-2022-11-22/>

Kyrgyzstan Mulls Building Nuclear Plant With Russian Help

The Moscow Times, November 23, 2022

Kyrgyzstan announced on Wednesday that it was looking into the possibility of building its first nuclear power plant, with Russian help, to tackle frequent energy shortages. The country’s Energy Ministry “signed a cooperation document” with a subsidiary of Russian nuclear agency Rosatom, the ministry said in a statement, raising the prospect of Moscow further growing its influence in Central Asia. According to the Energy Ministry, the document concerns the “preparation of a feasibility study on the construction of a low-power nuclear power plant in Kyrgyzstan.” The former Soviet republic has remained economically and militarily close to Russia, which accounts for more than a third of the mountainous and landlocked country’s imports.

<https://www.themoscowtimes.com/2022/11/23/>

kyrgyzstan-mulls-building-nuclear-plant-with-russian-help-a79482

Russian tech firm delivers advanced weapons to troops ahead of schedule

Tass Russian News Agency, November 23, 2022

In September, Rostec delivered a new batch of Su-35S fighters produced at the Komsomolsk-on-Amur Aviation Plant to the Russian Aerospace Forces. Enterprises of the state tech corporation Rostec are building up military output and frequently delivering advanced weapons to Russian troops under the defense procurement plan ahead of schedule, Rostec CEO Sergey Chemezov told TASS on Wednesday.

<https://tass.com/defense/1540603>

Russian defense industry least impacted by Western sanctions, Rostec chief assures

Tass Russian News Agency, November 23, 2022

As Sergey Chemezov pointed out, it can be said for certain that had it not been for the first wave of sanctions in 2014, Russia would have been in a much more difficult position today. The US-led West’s sanctions and the exit of foreign companies from Russia have had a minimal impact on the domestic defense industry while the aircraft-and car-manufacturing industries have suffered the most, Rostec CEO Sergey Chemezov told TASS on the occasion of the corporation’s 15th anniversary on Wednesday.

<https://tass.com/defense/1540623>

Armed conflicts show growing role of UAVs, unmanned ground vehicles, says Rostec chief

Tass Russian News Agency, November 23, 2022

Sergey Chemezov pointed to the robotized version of the BMP-3 infantry fighting vehicle with the Sinitsa combat module as an example of ground-based unmanned

vehicles developed by Rostec. The experience of present-day conflicts has demonstrated the enormous role played both by unmanned aerial vehicles (UAVs) and remote-controlled ground systems, CEO of the state tech corporation Rostec Sergey Chemezov told TASS on the occasion of the corporation's 15th anniversary on Wednesday.

<https://tass.com/defense/1540627>

Belarus and Russia Try to Blackmail Ukraine into Peace Talks

Kyiv Post, November 24, 2022

Belarusian dictator Alexander Lukashenko has called on President Volodymyr Zelensky to stop the war immediately and enter into peace talks with Russia to avoid further casualties. "Everything is up to Ukraine. Indeed, everything is now in the hands of Ukraine. If they do not want to see numerous deaths among their people, they should stop. It's difficult, but this must stop. It must be stopped because it will result in the complete destruction of Ukraine," Lukashenko said on Thursday, Nov. 24. He added that the very existence of Ukraine as a state is now in jeopardy.

<https://www.kyivpost.com/post/72>

Rosatom CEO doubts Kiev can decide on ZNPP security zone on its own

Tass Russian News Agency, November 24, 2022

Alexey Likhachev added that a security zone around the ZNPP was an urgent need and its parameters were pretty clear. Ukraine is unlikely to make a decision to create a security zone around the Zaporozhye nuclear power plant on its own. This will require permission from Kiev's political patrons, Rosatom CEO Alexey Likhachev told the media on Thursday.

<https://tass.com/defense/1541435>

Russia's two Tu-160 bombers conduct flight over neutral waters of Barents, Norwegian Seas

Tass Russian News Agency, November 24, 2022

They were accompanied by MiG-31 fighters of the Northern Fleet's Air Force and Air Defense group. Russia's two Tupolev Tu-160 strategic bombers carried out a planned flight over the neutral waters of the Barents and Norwegian Seas, the Russian Defense Ministry said in a statement on Thursday.

<https://tass.com/defense/1541629>

Russia's Marine Corps reinforced by armored units – commander

Tass Russian News Agency, November 25, 2022

It is reported that in early 2022, over 20 upgraded T-80BVM tanks arrived for Russia's Marine Corps. The Russian Navy's marine infantry formations are presently being reinforced with armored units, Navy Deputy Commander-in-Chief Lieutenant-General Viktor Astapov said on Friday.

<https://tass.com/defense/1541777>

Putin expects special military operation to give unique boost to industries

Tass Russian News Agency, November 26, 2022

Industrial facilities are operating at their full capacity during Russia's special military operation, which will give a unique boost to industries, President Vladimir Putin said at an event marking the Rostec corporation's 15th anniversary. "Plants in Moscow and St. Petersburg, as well as in the Ural, Siberian and Far Eastern regions of our country, are operating at their full capacity, on multiple shifts. In fact, they will <...> give and they

are already giving a unique boost to the development of high-tech industries," Putin noted.

<https://tass.com/economy/1542183>

Putin praises Russian weapons as 'weapons of victory'

Tass Russian News Agency, November 26, 2022

Russian President thanked defense industry workers for their dedication and desire to make every effort "to defend Russia and strengthen its sovereignty". Russian armorers continue the great traditions of their predecessors who proved that "Russian weapons are the weapons of victory," President Vladimir Putin said at an event marking the Rostec corporation's 15th anniversary.

<https://tass.com/defense/1542187>

Russia says its artillery foiled Ukrainian attack in LPR

Tass Russian News Agency, November 26, 2022

Konashenkov said Russian artillery fire brought the Ukrainian units to a halt and the enemy was pushed back to its initial positions. Russian Defense Ministry Spokesman Lieutenant-General Igor Konashenkov on Saturday said Russian artillery fire foiled a Ukrainian attack in the area of Krasny Liman. "In the area of Krasny Liman, the enemy unsuccessfully attempted to attack Russian military units toward the settlements of Kolomyichikha and Ploshchanka of the Lugansk People's Republics," he said.

<https://tass.com/defense/1542229>

Russia says its forces destroyed a HIMARS munitions depot in Zaporozhye Region

Tass Russian News Agency, November 26, 2022

"A munitions depot for High-Mobility Artillery Systems has been destroyed in the

area of the Kushugum settlement of the Zaporozhye Region," Konashenkov said. Russian Defense Ministry Spokesman Lieutenant-General Igor Konashenkov on Saturday said Russian forces destroyed a munitions depot for High-Mobility Artillery Systems in the Zaporozhye Region.

<https://tass.com/defense/1542231>

Russia says its artillery foiled Ukrainian attack toward Novosyolovskoye in LPR

Tass Russian News Agency, November 26, 2022

According to Konashenkov, more than 30 Ukrainian troops, one armored vehicle and three pickups have been eliminated as a result. Russian Defense Ministry Spokesman Lieutenant-General Igor Konashenkov on Saturday said Russian troops foiled an attempt of Ukrainian forces to attack toward the settlement of Novosyolovskoye in the Lugansk People's Republic, eliminating more than 30 enemy servicemen.

<https://tass.com/defense/1542233>

Russia says aircraft, rocket and artillery forces struck five Ukrainian command posts

Tass Russian News Agency, November 26, 2022

"Tactical and army aircraft, rocket forces and artillery struck five Ukrainian command posts in the areas of the settlements of Chuguyev of the Kharkov Region; Seversk, Kramatorsk, Yampol and Redkodub of the Donetsk People's Republic," Konashenkov said. Russian Defense Ministry Spokesman Lieutenant-General Igor Konashenkov on Saturday said Russian aircraft, rocket and artillery forces struck five Ukrainian command posts during the special military operation in that country.

<https://tass.com/defense/1542235>

Russia says its troops stopped Ukraine from regaining positions in southern Donetsk Region

Tass Russian News Agency, November 26, 2022

According to Konashenkov, the enemy's losses in the hostilities totaled up to 40 killed and wounded servicemen. A tank, two infantry fighting vehicles and five pickups have been destroyed. Russian Defense Ministry Spokesman Lieutenant-General Igor Konashenkov on Saturday said Russian artillery and assault units stopped the attempts of Ukrainian forces to regain their positions in the southern Donetsk Region, pushing enemy troops back to their initial positions.

<https://tass.com/defense/1542237>

Russia says its troops repelled Ukrainian counterattacks in Donetsk area

Tass Russian News Agency, November 26, 2022

"In the Donetsk area, Russian troops acted decisively to repel Ukrainian counterattacks in the areas of the Belogorovka, Yakovlevka and Kleshcheyevka settlements," he said. Russian Defense Ministry Spokesman Lieutenant-General Igor Konashenkov on Saturday said Russian forces in the Donetsk area repelled counterattacks by Ukrainian troops and eliminated up to 70 Ukrainian servicemen.

<https://tass.com/defense/1542239>

Russia says its troops destroyed two Ukrainian Grad MLRS in Kharkov Region

Tass Russian News Agency, November 26, 2022

"Two Ukrainian Grad MLRS have been struck at their firing positions in the area of the Lipty settlement in the Kharkov Region during a counterbattery battle," Konashenkov said. Russian Defense

Ministry Spokesman Lieutenant-General Igor Konashenkov on Saturday said Russian forces destroyed two Ukrainian Grad MLRS in the Kharkov Region during a counterbattery combat.

<https://tass.com/defense/1542241>

Russia says its air defenses shot down four HIMARS rockets over Kherson Region

Tass Russian News Agency, November 26, 2022

"Air defenses shot down three unmanned aerial vehicles in the area of the Chervony Chaban settlement of the Kherson Region over the past day," Konashenkov said. Russian Defense Ministry Spokesman Lieutenant-General Igor Konashenkov on Saturday said Russian air defenses destroyed four HIMARS rockets and three drones over Kherson Region over the past day.

<https://tass.com/defense/1542243>

Peaceful Atom May Be Generated in Ghana, Nigeria, Kenya by 2023: IAEA

Sputnik International, November 26, 2022

A peaceful atom may be produced in Ghana, Nigeria and Kenya already in the coming years, while the majority of African countries will use nuclear energy by 2030, Mikhail Chudakov, the deputy director general of the International Atomic Energy Agency (IAEA), told Sputnik. "They have set deadlines — nuclear energy may be generated in many [African] countries by 2030," Chudakov said, adding that the production of a peaceful atom might start especially quickly, already in the coming years, in Ghana, Nigeria and Kenya, which were intensively preparing for its use.

<https://sputniknews.com/20221126/peaceful-atom-may-be-generated-in-ghana-nigeria-kenya-by-2023-iaea-1104720677.html>

Russia rehearses response to nuclear attack as tensions rise over “dirty bomb” allegation

GDN Online, November 27, 2022

Russia rehearsed its response to a nuclear attack yesterday in an exercise that involved nuclear submarines, strategic bombers and ballistic missiles at a time when tensions are high over a “dirty bomb” allegation it has made against Ukraine. Russian President Vladimir Putin remotely observed the annual exercise, called “Grom” or “Thunder”, which uses test launches to put Moscow’s nuclear forces through their paces in a show of force designed to deter and intimidate foes.

<https://www.newsofbahrain.com/world/85152.html>

Kyiv expects more attacks and nuclear plant still under Russian control

Saudi Gazette, November 28, 2022

Ukrainian officials have warned that they are expecting to face a new wave of Russian missile strikes in the next few days. “The coming week could be as difficult as last week,” President Volodymyr Zelensky said in his nightly video address on Sunday. Previous missile strikes on Ukrainian territory have targeted the country’s energy infrastructure, causing massive water and power cuts.

saudigazette.com.sa/article/627441/World/Europe/Kyiv-expects-more-attacks-and-nuclear-plant-still-under-Russian-control

Moscow Postpones Scheduled Nuclear Arms Reduction Talks With U.S.

The Moscow Times, November 28, 2022

Nuclear disarmament talks between Russia and the United States scheduled to take place in Egypt on Tuesday were cancelled last minute on Monday, according to the Russian Foreign Ministry and the U.S. Embassy in Moscow. The two nuclear

superpowers were set to sit down in Cairo to commence the Strategic Arms Reduction Talks (START), in what would have represented the first talks under the nuclear treaty since the Russian invasion of Ukraine. Moscow announced that the talks, which had already been suspended for two years due to the Covid-19 pandemic, would be postponed again without offering any formal reason. “Russia unilaterally postponed the meeting and said it would offer new dates,” Russian news outlet Kommersant cited the U.S. embassy in Moscow as saying, effectively blaming Moscow for the fresh delay.

<https://www.themoscowtimes.com/2022/11/28/moscow-postpones-scheduled-nuclear-arms-reduction-talks-with-us-a79524>

Kremlin Denies Media Reports About Russia’s Alleged Plans to Leave ZNPP

Sputnik International, November 28, 2022

Media reports alleging that Russia plans to leave the city of Energodar and the Zaporozhye nuclear power plant (NPP) are not true, Kremlin spokesman Dmitry Peskov said on Monday. “There is no need to look for some signs where there are none and cannot be,” Peskov told reporters, commenting on the allegations.

<https://sputniknews.com/20221128/kremlin-denies-media-reports-about-russias-alleged-plans-to-leave-znpp-1104779986.html>

Defense contractor delivers new top-notch military transport plane to Russian troops

Tass Russian News Agency, November 28, 2022

The delivery of new transport planes is our contribution to meeting the requirements for military transport aircraft and strengthening the country’s defense capability. The Ulyanovsk-based Aviastar enterprise, a branch of the Ilyushin Aircraft Company, delivered an Il-76MD-90A heavy military transport plane to

Russia's Defense Ministry, the United Aircraft Corporation (UAC) announced on Monday.

<https://tass.com/defense/1542553>

Russia's state-of-the-art missile frigate deploys to sea for shipbuilders' trials

Tass Russian News Agency, November 28, 2022

Baltic naval ranges are regularly used for testing new hardware for the Russian Navy and foreign states. The Project 22350 latest frigate Admiral Golovko has deployed to the sea for the first time for shipbuilders' sea trials, the Baltic Fleet's press office reported on Monday. "The Baltic Fleet's forces are providing support for the shipbuilders' sea trials of the Project 22350 state-of-the-art frigate Admiral Golovko. The frigate has now deployed to the Baltic Sea for the shipbuilders' sea trials," the press office said in a statement. The shipbuilders' sea trials will check the operation of the frigate's

<https://tass.com/defense/1542853>

Russia postpones nuclear arms control talks with US, State Department says

CNN, November 28, 2022

The Biden administration is blaming Russia for postponing meetings to discuss a key nuclear arms control agreement between the two countries that were scheduled to begin in Egypt on Tuesday, with a State Department spokesperson saying the decision was made "unilaterally" by Russia. The meetings on the New START Treaty – the only agreement left regulating the world's two largest nuclear arsenals – were scheduled to be held in the wake of Moscow's nuclear saber-rattling toward Ukraine and following complications around inspections related to the treaty. US officials have repeatedly stressed the need for dialogue on nuclear matters in order to reduce risk.

<https://edition.cnn.com/2022/11/28/politics/us-russia-arms-control-talks/index.html>

Meeting of Russia-US Commission on START Rescheduled for Later: Russian Foreign Ministry

Sputnik International, November 28, 2022

The meeting of the Russian-US bilateral consultative commission on the New START in Cairo, scheduled for November 29 to December 6, will not take place, and will be postponed to a later date, the Russian Foreign Ministry told Sputnik on Monday. "The session of the bilateral consultative commission on the Russian-US START Treaty, previously scheduled in Cairo [November 29 - December 6], will not take place on these dates. The event is postponed to a later date," the ministry said, without going into any other details.

<https://sputniknews.com/20221128/meeting-of-russia-us-commission-on-start-rescheduled-for-later-russian-foreign-ministry-1104791750.html>

Moscow Sees No Signals That US Ready to Resume Talks With Russia on Strategic Stability

Sputnik International, November 29, 2022

There are no signals that the United States is ready to resume negotiations with Russia on strategic stability, Russian Deputy Foreign Minister Sergei Ryabkov said on Tuesday.

<https://sputniknews.com/20221129/moscow-sees-no-signals-that-us-ready-to-resume-talks-with-russia-on-strategic-stability-1104827056.html>

Russia Expects US to Facilitate Meeting of Commission on START in 2023

Sputnik International, November 29, 2022

Moscow expects that the United States will facilitate the meeting of the consultative commission on the Strategic Arms Reduction Treaty (New START) in 2023, Russian Foreign Ministry spokeswoman Maria Zakharova said on Tuesday.

<https://sputniknews.com/20221129/russia-expects-us-to-facilitate-meeting-of-commission-on-start-in-2023-1104835879.html>

Russian Foreign Ministry: No Evidence That Tehran Wants to Develop Nuclear Weapons

Sputnik International, November 30, 2022

There is no evidence that Tehran intends to develop nuclear weapons, reviewing its participation in the Nuclear Non-Proliferation Treaty (NPT), Vladimir Yermakov, director of the Russian Foreign Ministry's Non-Proliferation and Arms Control Department, said in an interview with Sputnik. "Iran has been and remains a conscientious participant in the Treaty on the Non-Proliferation of Nuclear Weapons. The conclusion of the JCPOA in 2015 helped to finally and irrevocably remove all the questions that the [International Atomic Energy Agency] had to Tehran at that time."

<https://sputniknews.com/20221130/russian-foreign-ministry-no-evidence-that-tehran-wants-to-develop-nuclear-weapons-1104846732.html>

Moscow: Strategic Stability Dialogue is Possible if US Ready to Respect Russian Security Interests

Sputnik International, November 30, 2022

A real dialogue with the United States on strategic stability is possible if the US is an adequate partner ready not to cross Moscow's red lines in the sphere of security, Vladimir Yermakov, director of the Russian Foreign Ministry's Non-Proliferation and Arms Control Department, said in an interview with Sputnik.

<https://sputniknews.com/20221130/moscow-strategic-stability-dialogue-with-us-possible-if-partner-is-adequate-1104847482.html>

Russia to Develop Capital Construction for Nuclear Forces in 2023, Defense Minister Says

Sputnik International, November 30, 2022

The Russian Defense Ministry will pay special attention in 2023 to the development of capital construction for nuclear forces, Defense Minister Sergei Shoigu said on Wednesday.

<https://sputniknews.com/20221130/russia-to-develop-capital-construction-for-nuclear-forces-in-2023-defense-minister-says-1104877103.html>

[develop-capital-construction-for-nuclear-forces-in-2023-defense-minister-says-1104877103.html](https://sputniknews.com/20221130/russia-to-develop-capital-construction-for-nuclear-forces-in-2023-defense-minister-says-1104877103.html)

Russian senators to demand Kiev stop attacking Zaporozhye nuclear power plant

Tass Russian News Agency, November 30, 2022

Earlier, it was reported that the Ukrainian military had resumed shelling attacks on the Zaporozhye Nuclear Power Plant after a two-month pause. Russia's Federation Council (the upper house of parliament) plans to demand the Ukrainian authorities put an end to attacks on the Zaporozhye Nuclear Power Plant, according to a draft address to the world's parliaments and international parliamentary organizations that the senators will consider on Wednesday.

<https://tass.com/defense/1543653>

Russian, Chinese strategic bombers conduct joint aerial patrol in Asia-Pacific

Tass Russian News Agency, November 30, 2022

An air task force of Russian Tu-95MS strategic missile-carrying bombers and Chinese H-6K strategic bomber jets conducted a joint aerial patrol over the waters of the Sea of Japan and the East China Sea, Russia's Defense Ministry reported on Wednesday. "On November 30, 2022, the Russian Aerospace Forces and the Air Force of the Chinese People's Liberation Army conducted a new joint aerial patrol in the Asia-Pacific region. The air task force composed of Tu-95MS strategic missile-carrying bombers of the Russian Aerospace Forces and Hong-6K strategic bombers of the Chinese People's Liberation Army conducted an aerial patrol over the waters of the Sea of Japan and the East China Sea," the ministry said in a statement.

<https://tass.com/defense/1543723>

Russia to deploy new missile systems in five Strategic Missile Force formations – Shoigu

Tass Russian News Agency, November 30, 2022

“It is necessary to keep a balanced approach to construction planning within budget appropriations,” the defense chief said. New missile systems will be deployed in five large units of the Russian Strategic Missile Force, Defense Minister Sergey Shoigu said on Wednesday. “To wrap up this meeting, we will discuss a draft list of major construction sites for the next year. Currently, the construction of infrastructural facilities is underway in five formations of the Strategic Missile Force to deploy new missile systems,” the defense chief said.

<https://tass.com/defense/1543787>

Some 3,000 instructors training mobilized Russian troops, defense chief says

Tass Russian News Agency, November 30, 2022

It is noted that about 8,000 members of combat vehicle and tank crews, artillery and missile defense crews as well as UAV and electronic warfare teams have been trained at training centers. Some 3,000 instructors are training mobilized Russian troops on more than 100 grounds in Russia and Belarus, Russian Defense Minister Sergey Shoigu reported on Wednesday.

<https://tass.com/defense/1543795>

Russia to boost defense procurement 50% to ensure 97% troop provision with weapons

Tass Russian News Agency, November 30, 2022

Russia’s 2023 defense procurement plan will grow by 50% to ensure that Russian troops are 97% supplied with armaments and military equipment, Defense Minister Army General Sergey Shoigu said at the ministry’s board meeting on Wednesday. “Next year, considering extra budget funds, the defense

procurement plan will practically grow by 50%. This will help ensure that constant alert units and formations are 97% supplied with armaments and hardware,” the defense chief said.

<https://tass.com/defense/1543811>

Any military clash between nuclear powers must be avoided at all costs – Lavrov

Tass Russian News Agency, November 30, 2022

The nuclear powers must avoid any military confrontation among themselves, including one which involves conventional weapons, Russian Foreign Minister Sergey Lavrov said at a meeting with participants in the Dialogue for the Future scientific and educational program. A transcript of his speech was uploaded to the Foreign Ministry’s website. Lavrov recalled that at Moscow’s initiative earlier this year, leaders of the permanent members of the UN Security Council confirmed that there could be no winners in a nuclear war and that it should never be unleashed.

<https://tass.com/defense/1544035>

C. China

US nuclear strategy gravely threatens global security

Global Times, November 16, 2022

The US Department of Defense recently released its 2022 Nuclear Posture Review (NPR), which continues the US’ consistent Cold War mentality and hegemonic logic, plays up great power competition and bloc confrontation, and exploits nuclear deterrence as a geopolitical tool. The international community is widely concerned that the US nuclear strategy will severely deteriorate the global strategic security environment. The NPR shows that the incumbent US administration has not adopted a policy of “no first use” of nuclear weapons or the policy that “the sole purpose of our nuclear arsenal weapons is to deter -and, if necessary, retaliate for - a nuclear attack against the

United States or its allies” as it promised during the 2020 presidential campaign, but has continued its longstanding policy of reserving the option of launching a preemptive nuclear strike.

<https://www.globaltimes.cn/page/202211/1279678.shtml>

Chinese private satellite firm Galactic Energy sends five satellites into a solar synchronous orbit

Global Times, November 16, 2022

Chinese private aerospace venture Galactic Energy Space Co successfully launched the Ceres 1 (Yao 4) carrier rocket from the Jiuquan Satellite Launch Center in Northwest China’s Gansu Province, successfully placing five commercial satellites into a solar synchronous orbit. It was the fourth consecutive successful launch of the firm’s Ceres-1 commercial rocket. Galactic Energy Space has maintained a 100 percent success rate, sending 14 satellites for seven clients into orbit, consolidating the record for private commercial rocket launches in China, the company said in a statement sent to the Global Times. It was also the first time for the domestic low-orbit satellites constellation to use private commercial rockets for launch, promoting the healthy development of the ecosystem of domestic commercial space industry, which is a milestone, the company said.

<https://www.globaltimes.cn/page/202211/1279679.shtml>

U.S., China in new space race with Artemis lunar rocket launch

Takeshi Shiraishi, Shunsuke Tabeta and Ryosuke Matsuzoe

Nikkei Asia, November 17, 2022

NASA is also eyeing the growing expertise in the private sector. It has encouraged competition between Elon Musk’s SpaceX and Jeff Bezos’ Blue Origin, choosing SpaceX in 2021 to develop the human lander to bring astronauts to the lunar surface. The push

comes as China pursues its own space ambitions with the help of its state-owned defense industrial complex. It agreed to build a joint lunar base with Russia in 2021, tapping the latter’s extensive experience in space to compete with the U.S. The state-owned China Aerospace Science and Technology company in August announced plans to update its Long March rockets, which have already been used to launch unmanned lunar probes, so they have the payload capacity to handle a human mission to the moon. It said it envisioned Chinese boots on the moon around 2030.

<https://asia.nikkei.com/Business/Aerospace-Defense/U.S.-China-in-new-space-race-with-Artemis-lunar-rocket-launch>

North Korea fires suspected ICBM into waters off Japan

Christian Davies

Financial Times, November 18, 2022

North Korea fired a suspected intercontinental ballistic missile into waters east of the Korean peninsula on Friday morning, a day after Pyongyang warned the US against bolstering its protection of South Korea and Japan. There is rising concern in Washington, Seoul and Tokyo that Pyongyang is preparing to carry out its seventh nuclear test, and possibly others, before the end of the year. Biden said after a meeting with Xi Jinping on Monday that he had warned the Chinese leader that China had an “obligation” to dissuade North Korea from conducting more nuclear tests, and that failure to do so would mean that the US “would have to take certain actions that would be more defensive on our behalf”. “We will do what it needs to defend our capacity, to defend ourselves and our allies — South Korea, as well as Japan,” said Biden, noting that it would mean that “we’d be more up in the face of China” as a result.

<https://www.ft.com/content/e6aad9f3-d528-4f15-bee3-298ab20fb2c6>

China militarizes space, U.S. benefits mankind: Japan envoy Emanuel

Natsumi Kawasaki

Nikkei Asia, November 18, 2022

The U.S. is sending astronauts back to the moon. This time, it will go together with allies like Japan. So said the message from U.S. Ambassador to Tokyo Rahm Emanuel, on a day when the U.S. and Japan signed various agreements for space cooperation. The agreements include sending one Japanese astronaut to Gateway, the new lunar-orbiting space station, and Japan providing lunar vehicles to NASA's Artemis 1 lunar exploration mission. "Apollo was a singular American endeavor. This is now an endeavor with Israel, Japan, Germany, Canada: major technological, advanced countries, that are all going to participate," Emanuel told Nikkei in an interview, referring to NASA's human spaceflight program that landed the first humans on the Moon decades ago.

<https://asia.nikkei.com/Editor-s-Picks/Interview/China-militarizes-space-U.S.-benefits-mankind-Japan-envoy-Emanuel>

Does US have China in mind with F-22 deployment to its bases in Japan?

Minnie Chan

South China Morning Post, November 19, 2022

The United States has started replacing the antiquated F-15 fighter jets at its bases in Okinawa with the more advanced F-22 Raptor stealth fighters, in a move seen as part of a redeployment of its assets in the region to prepare for a Taiwan contingency. Defence experts said the arrangement – which puts the F-22s on a six-month rotation from Alaska starting this month – could prevent the United States' expensive assets from becoming targets for Chinese missiles because the advanced jets would not be permanently stationed in Okinawa. Others said the move could undermine the Pentagon's efforts to counter China by ending the US Air Force's permanent

presence in the region with no clear long-term plan.

<https://www.scmp.com/news/china/military/article/3200132/does-us-have-china-mind-f-22-deployment-its-bases-japan>

Fraught AUKUS impedes momentum of better China-Australia ties

Global Times, November 19, 2022

As leaders of major countries in the region and the world met in the Asia-Pacific, AUKUS, the trilateral security pact between the US, UK, and Australia, has suddenly become a hot topic for discussion again. French President Emmanuel Macron criticized Canberra's decision to turn to Washington and London for help building nuclear submarines. He accused the decision made by former Australian Prime Minister (PM) Scott Morrison of "re-entering into nuclear confrontation, making himself completely dependent by deciding to equip themselves [with a] submarine fleet that the Australians are incapable of producing and maintaining in-house." China has consistently voiced its strong opposition to AUKUS. Most recently, Wang Qun, China's Permanent Representative to the United Nations in Vienna, emphasized again at a meeting of the Board of Governors of the International Atomic Energy Agency (IAEA) that China is opposed to using the organization's budget for safeguard activities related to nuclear submarine cooperation under AUKUS.

<https://www.globaltimes.cn/page/202211/1279932.shtml>

US hypes China's JL-3 submarine-launched ballistic missile deployment 'with ulterior motives'

Liu Xuanzun

Global Times, November 20, 2022

The US claimed that China has fielded new, longer-range submarine-launched ballistic missiles (SLBM) to threaten the US, but Chinese military experts said that

China's SLBM development aims to defend itself from nuclear blackmail, and that the US military's speculation has ulterior motives which would see it gain more funds to enhance its capabilities. China has equipped six of its Jin-class (Type 094) submarines with JL-3 intercontinental ballistic missiles, which were built to threaten the US, Admiral Sam Paparo, the head of the US Pacific Fleet, told military reporters at a conference in Washington, Bloomberg reported. This is the first time the US has acknowledged that China has fielded the weapons on its nuclear-powered submarines, allowing it to hit the continental US from much closer to its own shores, Bloomberg said.

<https://www.globaltimes.cn/page/202211/1279959.shtml>

Core components of China-made world's largest 'artificial sun' accomplished, new breakthrough in core technology

Cao Siqi and Du Qiongfang

Global Times, November 22, 2022

Manufacturing of the core components of the next-generation "artificial sun," the full-size prototype of the enhanced-heat-flux (EHF) first wall (FW) panel, has been completed in China with its core indexes being significantly better than its design requirements and meeting the conditions for mass manufacturing, marking a new breakthrough by China in the scientific research of the core technology of EHF FW, the Global Times learned from its research team. Also known as the world's largest "artificial sun," the international thermonuclear experimental reactor (ITER) for the exploration and development of nuclear fusion energy is one of the largest and most far-reaching international scientific projects in the world, and the largest international scientific and technological cooperation project that China participates in as an equal alongside with the EU, India, Japan, South Korea, Russia and the US.

<https://www.globaltimes.cn/page/202211/1280184.shtml>

Basic structure for Intl Lunar Research Station to be built by 2028: China lunar exploration chief designer

Global Times, November 22, 2022

The basic structure for International Lunar Research Station (ILRS) will be built by around 2028 meaning it will be possible for Chinese astronauts to land on the moon within ten years, according to China's lunar exploration chief designer. The ILRS will be expanded from a basic structure which China's Phase-4 lunar probe mission aimed to build using lunar probes of Chang'e-6, -7, and -8, Wu Weiren, the chief designer of China's lunar exploration program, said in an interview with China Central Television (CCTV). According to Wu, the basic structure, which will be built by around 2028, will consist of lunar landers, rovers and leapers, as well as an energy system, communication infrastructure and human life support system.

<https://www.globaltimes.cn/page/202211/1280123.shtml>

China to Have Moon Base Powered by New Nuclear Power Plant by 2028, Lunar Exploration Chief Says

Sputnik International, November 22, 2022

Leading the charge in a new generation of lunar exploration has been the China National Space Administration (CNSA), which has dispatched several probes to the moon from its Chang'e series. They have explored the far side of the moon and sent back the first lunar soil samples in 40 years. The Chinese space program is working on a new type of nuclear power plant to be used to power a permanent base on the moon, which China hopes to build before the decade is out, the head of China's lunar exploration effort told Chinese media on Tuesday.

<https://sputniknews.com/20221122/china-to-have-moon-base-powered-by-new-nuclear-power-plant-by-2028-lunar-exploration-chief-says-1104558376.html>

China's J-15 carrier-based fighter jet to get domestic engines: report

Liu Xuanzun

Global Times, November 23, 2022

A newly produced J-15 carrier-based fighter jet was fitted with what seems to be a pair of China's domestically developed engines, according to an official media report, which marked the 10th anniversary of the aircraft's first takeoff and landing on the Liaoning, China's first aircraft carrier. This means that the Chinese aero engine has become reliable and powerful enough under demanding environments on aircraft carriers, reflecting that the Chinese engine has become mature and has likely surpassed its foreign counterparts, experts said. Celebrating the J-15's first takeoff and landing on the aircraft carrier Liaoning 10 years ago, a report by China Central Television (CCTV) showed the carrier-based fighter jet's production line at Shenyang Aircraft Corp and a J-15 undergoing calibration for test flights.

<https://www.globaltimes.cn/page/202211/1280290.shtml>

The cost of America's ban on Chinese chips

June Yoon

Financial Times, November 24, 2022

The advice "dig two graves, before you set out" applies to anyone bent on revenge. An old aphorism is hardly going to divert the US from its mission to restrict Chinese access to its world-beating technology, slowing the progress of its rival towards self-sufficiency in high-performance chips. However, American policymakers are unlikely to have fully appreciated the corollary of splitting the world semiconductor supply chain in two: far higher costs for western manufacturers and their customers. Advanced chips and the factories making them have become a substitute for arms and armies in the east-west stand-off because they are a critical component of our modern lives. They are central to mobile devices, electric cars and gaming consoles. They are also the foundation of next-generation technology from self-driving cars and 5G

internet to cloud services and artificial intelligence.

<https://www.ft.com/content/d3935b9a-a203-435d-b1a9-a22bcc9d79e7>

Chinese envoy underscores nuclear facilities safety, support for Ukrainian refugees on UN emergency meeting

Global Times, November 24, 2022

China had called for an on all-out effort to ensure the safety of nuclear facilities and avoid man-made nuclear accidents, emphasizing support for the Ukrainian people suffering from severe cold on a United Nations emergency meeting on Ukraine issue. The Chinese envoy expressed great concern that the ongoing conflict in Ukraine has led to constant attacks on civilian facilities and the steady rise of civilian casualties and displaced persons on an emergency meeting of the United Nations Security Council held after Ukraine suffered from a barrage of missile and drone strikes against civilians and critical infrastructure.

<https://www.globaltimes.cn/page/202211/1280336.shtml>

China's space station will run high-energy beam experiment for controversial solar power plant: chief scientist

Stephen Chen

South China Morning Post, November 24, 2022

China's space station will join a controversial project to collect solar power from space and send it to Earth in a high-energy microwave beam, according to a senior scientist. The Chinese space station Tiangong - which means "heavenly palace" - became fully operational when the last major service module, Mengtian, docked this month. Some space scientists have suggested Tiangong - the largest infrastructure in orbit owned and run exclusively by a single country at present - can change the pace or direction of the

space race. Yang Hong, chief designer of the space station, told a conference in Wenchang, Hainan, that Tiangong would play a key role in China's space solar power station (SSPS) project by providing a testing platform for high-voltage electric devices and in helping assemble ultra-large structures.

<https://www.scmp.com/news/china/science/article/3200819/chinas-space-station-will-run-high-energy-beam-experiment-controversial-solar-power-plant-chief>

China is ready to make a key component for the world's largest fusion reactor

Ling Xin

South China Morning Post, November 25, 2022

China has taken a major step towards a key contribution to an international mega-project aimed at creating energy through fusion – a potentially unlimited source of future energy. Scientists said they have successfully built and tested the first panel of an ultra-heat-resistant component for the International Thermonuclear Experimental Reactor (ITER), the world's largest fusion reactor. The components, which must endure super hot gas – known as plasma – up to 150 million degrees Celsius (270 million Fahrenheit) inside ITER's doughnut-shaped chamber, "exceeded design performance and are ready for mass production," its developer, the Southwestern Institute of Physics, said, according to the China National Nuclear Corporation. The institute's chief scientist, Chen Jiming, hailed the achievement as "a substantial breakthrough after thousands of experiments and 18 years of hard work", and another example of China "fulfilling its commitments to ITER".

<https://www.scmp.com/news/china/science/article/3201015/china-ready-make-key-component-worlds-largest-fusion-reactor>

US push for hot war with nuclear powers a terrifying prospect

Global Times, November 25, 2022

A lack of democracy in the US is dangerous as it increases the possibility that the US will pursue unpopular, brutal wars abroad as the views of the people are not listened to, said Fiona Edwards (Edwards), the No Cold War (a worldwide organization against the US-led New Cold War) British organizer. The US is currently pouring tens of billions of dollars' worth of military aid into Ukraine in order to prolong NATO's proxy war against Russia. At the same time, there are many hawks in US foreign policy circles who are talking up the possibility of a hot war with China. To push the US toward hot wars with other nuclear-armed states is a truly terrifying prospect that could lead humanity to a total catastrophe.

<https://www.globaltimes.cn/page/202211/1280446.shtml>

China successfully tests first high-thrust reusable liquid oxygen-kerosene engine

Fan Wei

Global Times, November 26, 2022

China has successfully completed two-start tests of the 130-ton reusable liquid oxygen-kerosene secondary combustion cycle engine, the Global Times learned from its developer, the 6th Research Institute of China's Aerospace Science and Technology Corporation. The type of engine is designed for the repeated use of China's new generation of carrier rockets. The engines are notable for their high comprehensive performance, strong expansion capacity and high reliability. They are a key element in supporting the development of China's reusable space vehicles, and meet the needs of space activities such as the operation of China's

space station, and improve China's ability to enter and leave space at scale and low cost.

<https://www.globaltimes.cn/page/202211/1280492.shtml>

PLA Navy's another Type 055 large destroyer Anshan achieves operational capability, 'ready for far sea missions'

Liu Xuanzun

Global Times, November 26, 2022

Another Type 055 large destroyer of the Chinese People's Liberation Army (PLA) Navy, the Anshan, has achieved operational capability after having recently passed an acceptance test, marking that the 10,000-ton-class warship is ready for voyages to distant waters, experts said. The Anshan, joined by Type 052D destroyers the Baotou and the Qiqihar, recently had the three-day full-course training acceptance test in the Yellow Sea, in which other vessels, submarines, fighter jets, early warning aircraft and helicopters acted as mock opponents, posing multiple threats simultaneously from the sea surface, underwater and in the air, China Central Television (CCTV) reported.

<https://www.globaltimes.cn/page/202211/1280481.shtml>

China's nuclear industry progresses steadily and safely under CPC leadership, safeguarding energy security, green development

Wu Fang

Global Times, November 27, 2022

In the past decade, China's nuclear energy industry under the leadership of the Community Party of China (CPC) has achieved and developed greatly. In November, 2021, Haiyang city in East China's Shandong Province bid farewell to its coal-burning days with the launch of its nuclear heating project, becoming the first Chinese city to have zero-carbon-emission winter heating. This is the epitome of China's

nuclear power development achievements in recent years and its development orientation for the future. The nuclear heating project is run by the Shandong Nuclear Power Company under the State Power Investment Corporation Limited (SPIC).

<https://www.globaltimes.cn/page/202211/1280554.shtml>

U.K. Backs Giant Nuclear Plant, Squeezing Out China

Stanley Reed

The New York Times, November 29, 2022

The British government threw its weight behind nuclear power, saying it will back a major new generating plant on the coast of the North Sea northeast of London. The government said it would invest 700 million pounds (\$839 million) for a 50 percent stake in the plant, known as Sizewell C. EDF, the French state utility, which will construct the plant, will hold the rest. The deal squeezes out a Chinese state-owned company, China General Nuclear, which had owned 20 percent of the project. CGN received an undisclosed sum for its share, reflecting its value and representing a commercial return on development work to date, the British government said.

<https://www.nytimes.com/2022/11/29/business/uk-nuclear-plant-china.html>

Starlink breaks space traffic safety rules and China may follow: study

Stephen Chen

South China Morning Post, November 29, 2022

A team of Chinese space engineers has accused SpaceX's Starlink satellites of breaking the traffic rules of Earth's lower orbit and warned that China will be giving the US an upper hand if it does not follow suit. The researchers said two of Starlink's newest satellites, equipped with high-

speed laser communication devices, came within 4.9km (3 miles) of each other on June 30. The commonly accepted – if unwritten – minimum distance to avoid collision is 10km (6.2 miles). In a study published by Chinese peer-reviewed journal *Radio Engineering*, the researchers said the unusually dense formation was no accident, but the result of a complex scheme by SpaceX to maximise the performance of its laser communications.

<https://www.scmp.com/news/china/science/article/3201365/starlink-breaks-space-traffic-safety-rules-and-china-may-follow-study>

China could have 1,500 nuclear warheads by 2035: Pentagon report

Oren Liebermann

CNN, November 29, 2022

China's stockpile of nuclear warheads has surpassed 400 in a fraction of the time previously estimated by the United States, a major Pentagon report revealed, with Beijing focusing on accelerating its nuclear expansion as it seeks to challenge the US as the world's top super power. In 2020, the US estimated that China had nuclear warheads numbering in the low-200s and expected the stockpile to double within a decade. Just two years later, China has reached that mark and could have some 1,500 nuclear warheads by 2035 if they continue to expand their stockpile at the current pace, according to the 2022 China Military Power report. "What we've seen really in the past couple of years is this accelerated expansion," said a senior defense official.

<https://edition.cnn.com/2022/11/29/politics/china-nuclear-arsenal-military-power-report-pentagon/index.html>

China sends new trio of mysterious spy satellites into orbit

Andrew Jones

SPACE, November 29, 2022

China's latest launch has put three new Yaogan spy satellites into orbit. A Long March 2D rocket blasted off from Xichang

Satellite Launch Center in southwestern China on Sunday (November 27) at 07:23 AM. EST (1223 GMT; 08:23PM Beijing time). The Chinese space industry (opens in new tab) and media reports (opens in new tab) suggest that the launch carried a single Yaogan 36 remote sensing satellite. However space tracking by the U.S. Space Force's 18th Space Defense Squadron, which focuses on space domain awareness, registered three payloads in orbit in roughly 300-mile-altitude (500 km) orbits. China's previous two launches involving Yaogan 36 satellites also saw satellite triplets sent into orbit, meaning the latest launch was a third group of three Yaogan 36 satellites.

<https://www.space.com/china-launches-three-spy-satellites-orbit>

China launches Shenzhou-15 spaceship, aiming for first in-orbit crew rotation

Xinhuanet, November 30, 2022

China launched the manned spaceship Shenzhou-15, with three astronauts onboard due to meet with their colleagues on the country's space station and conduct a work handover. The spaceship, atop the Long March-2F Y15 carrier rocket, blasted off from the Jiuquan Satellite Launch Center in northwest China, according to the China Manned Space Agency (CMSA). About 10 minutes after the launch, Shenzhou-15 separated from the rocket and entered its designated orbit. The crew members are in good shape and the launch is a complete success, the CMSA declared. After entering orbit, the Shenzhou-15 spaceship will make a fast, automated rendezvous and dock with the space station combination. The Shenzhou-15 astronauts will, for the first time in China's space history, conduct an in-orbit rotation with the Shenzhou-14 crew, who were sent to the space station in June, said the CMSA.

<https://english.news.cn/20221130/89eb0fd6c2cd4272950688f019ca08ab/c.html>

Chinese, Russian air forces hold 2nd joint strategic patrol of the year with 1st warplane exchange visits

Liu Xuanzun

Global Times, November 30, 2022

Chinese and Russian militaries conducted a joint aerial strategic patrol in the Asia-Pacific region, the first time Chinese aircraft have landed in Russia and Russian aircraft have landed in China in such a joint patrol, and the first time the two countries have organized joint aerial patrols twice in a year. Analysts said it reflects a high level of increasing military cooperation and mutual trust that contributes to peace and stability in the region and the world. According to the annual military cooperation plan between the Chinese and Russian militaries, the two countries' air forces organized and carried out a regular joint aerial strategic patrol over the Sea of Japan, the East China Sea and the West Pacific, reads a statement released by China's Ministry of National Defense on the day.

<https://www.globaltimes.cn/page/202211/1280801.shtml>

D. Pakistan

China displays advanced weapons, equipment at Pakistani defense expo

Global Times, November 16, 2022

China is displaying many advanced weapons and equipment, including drone and anti-drone systems, at an ongoing defense expo in Pakistan, a move analysts said on Wednesday indicates that the two countries' defense cooperation will continue to deepen under their ironclad friendship, with Pakistan's armed forces already operating advanced main battle equipment of Chinese origin. The 11th session of the International Defense Exhibition and Seminar (IDEAS) kicked off on Tuesday at the Karachi Expo Center in Pakistan's southern port city of Karachi, with seven Chinese defense trade companies participating under the delegation "China Defence" led by the country's State

Administration of Science, Technology and Industry for National Defence, the Xinhua News Agency reported on Wednesday.

<https://www.globaltimes.cn/page/202211/1279689.shtml>

Reports on BrahMos missile incident 'disingenuous attempt' to absolve India of its 'irresponsible nuclear behaviour': FO

Dawn, November 16, 2022

The Foreign Office on Wednesday said that Indian media's reports about the International Atomic Energy Agency (IAEA) director general (DG) calling the BrahMos missile incident "not a cause of specific concern" were a "disingenuous attempt" to absolve India of its "irresponsible nuclear behaviour". The BrahMos missile – a nuclear-capable, land-attack cruise missile jointly developed by Russia and India – was fired into Pakistan territory on March 9, prompting authorities to seek answers from New Delhi on the safety mechanisms in place to prevent accidental launches. In a report on November 14, The Indian Express quoted international nuclear watchdog IAEA as saying that it did not see the incident as any cause of "specific concern".

<https://www.dawn.com/news/1721285>

Pakistan Displays India's MiG-21 Bison's Tail Shot Down By PAF F-16 Fighter Jet At Its Defense Expo – Reports

Eurasian Times, November 17, 2022

On November 15, the International Defense Exhibition and Seminar 2022 (IDEAS-22) began in Karachi, Pakistan, presenting the latest advancements in the domestic defense industry and several products from global defense firms. Amid Pakistan's defense show, two photographs are doing rounds and causing a stir on the internet. While a picture of the tail of an Indian MiG-21, allegedly shot down by a PAF F-16 fighter jet, is on display at IDEAS

2022, another image of PAF's 'indigenous' JF-17C aka Block-3 variant also appeared on the internet. The tail section of a MiG-21 of the Indian Air Force is on display at IDEAS-22 that was shot down on February 27, 2019, during Operation Swift Retort, by a Pakistani F-16. New Delhi and Islamabad made different statements about the event's occurrence at the time.

<https://eurasianimes.com/pakistan-displays-indias-mig-21-bisons-tail-shot-down-by-paf-f-16/>

Chinese CH-4B Drone Spotted Over Balochistan; Reports Indicate Pakistan Army Is Using Them To Crush Rebellion

The Eurasian Times, November 18, 2022

Drawing lessons from the Russia-Ukraine war that saw a surge in drone warfare, Pakistan has become the latest state to press its Chinese-origin combat CH-4B drones to hunt Baloch rebels. Earlier this month, Pakistan allegedly conducted a massive military offensive against Baloch rebels in the Bolan region by deploying unmanned aerial vehicles (UAVs), fighter jets, and Gunship helicopters, along with SSG Commandos, according to Balochistan Post-English. According to reports, the Pakistani Army deployed jets against Baloch nationalists in the highlands of Bolan in Balochistan. The Pakistani military operations were resisted by the Baloch militias, which, in turn, killed two SSG Commandos. EurAsian Times could not independently verify the number of Pakistani commandos killed by the rebels.

<https://eurasianimes.com/chinese-ch-4b-drone-spotted-over-balochistan-reports-indicate/>

Turkey's Fifth-Gen TF-X Fighter Jet Reaches Pakistan's Defense Expo Months After Reports Of Joint Production

The Eurasian Times, November 20, 2022

Turkey displayed a scale model of its fifth-generation fighter, codenamed the TF-X, at Pakistan's IDEAS expo 2022, according to

images and reports on social media. About 28 Turkish defense manufacturers participated in Pakistan's biennial event IDEAS 2022. Turkey, alongside China, is believed to have the most prominent presence at the expo. Turkish media has also reported that their pavilion attracted hundreds of visitors, including Pakistani officials. A report in the Daily Sabah newspaper said that Turkish defense manufacturers were displaying an array of products, including military hardware, tactical mini-UAVs, light weaponry, artificial intelligence, and cyber security solutions. However, it did not mention that the fifth-generation fighter would be displayed.

<https://eurasianimes.com/edited-turkeys-fifth-generation-tf-x-fighter-jet-reaches-pakistan/>

Pakistan 'Shows Off' Its Indigenous Shahpar-2 Combat UAV That Can 'See, Surround & Smash' Enemy Targets

The Eurasian Times, November 22, 2022

Days after China showcased a variety of indigenously developed military drones during this year's Zhuhai Air Show, its all-weather ally Pakistan followed suit by presenting its homegrown combat UAVs at the 11th edition of its biennial arms exhibition, the International Defense Exhibition and Seminar (IDEAS 2022). The arms exhibition was held at the southern port city of Karachi between November 15-18. It showcased some of the advancements made by Pakistan's defense industry in unmanned combat aerial vehicles (UCAVs) that play an increasingly important role in warfare, as demonstrated in the ongoing Ukraine war. Pakistan became aware of the role of combat drones in 21st-century warfare for the first time when American drones began conducting strikes against terror outfits in Afghanistan and border areas of Pakistan.

<https://eurasianimes.com/pakistans-indigenous-shahpar-2-combat-uav-ready/>

Istanbul Naval Shipyard Launches MILGEM Corvette “PNS KHAIBAR” For Pakistan Navy

Naval News, November 25, 2022

Three important events took place at the Istanbul Naval Shipyard. The primary event was the launching of the third PN MILGEM corvette for the Pakistan Navy, the future *PNS Khaibar* (282). Following the ceremony, the keel of the first Hisar-class offshore patrol vessel, the future *TCG Akhisar* (P-1220), was laid and the first steel of the second OPV (P-1221 – *TCG Kochisar*) was cut. The ceremony was attended by high-ranking representatives of both countries. Turkish President Recep Tayyip Erdogan was the chief guest at the ceremony, while Pakistani Prime Minister Shehbaz Sherif and Turkish Defense Minister Hulusi Akar, as well as high-ranking officers of the two navies, were other guests VIP. In his speech, President Erdogan highlighted Turkish-Pakistani relations in the field of defense industry in recent years. He also stated that Turkey will realize significant developments in the defense industry within the next year.

<https://www.navalnews.com/naval-news/2022/11/istanbul-naval-shipyard-launches-milgem-corvette-pns-khaibar-for-pakistan-navy/>

Pakistan, Türkiye promoting defense ties for peace not for war, says Premier Sharif

Anadolu Agency, November 25, 2022

Pakistan Prime Minister Shehbaz Sharif on Friday said that the promotion of defense cooperation between Pakistan and Türkiye is for peace, not for war or aggression. Speaking at the inauguration ceremony of the third of four MILGEM corvette ships manufactured by Türkiye for the Pakistan Navy at the Istanbul Shipyard, Sharif thanked Turkish President Recep Tayyip Erdogan and the people of Türkiye for always standing behind his country in every difficult time. “Pakistan and Türkiye are deeply engaged in promoting our defense capabilities for peace, not for war or aggression, and as they say, if you want to live in peace, you must be prepared for war,”

Sharif said. “So this [MILGEM corvette ships] is not for aggression. This is for defense,” he explained. Sharif, along with President Erdogan, inaugurated the third ship named *PNS Khyber*, while other officials from both sides also attended the ceremony.

<https://www.aa.com.tr/en/politics/pakistan-turkiye-promoting-defense-ties-for-peace-not-for-war-says-premier-sharif/2748308>

Technical Problems Ground Myanmar’s JF-17 Fighter Jets Bought From China

The Irrawaddy, November 25, 2022

Most of the newly acquired Chinese and Pakistan-made JF-17 fighter jets that the Myanmar regime has taken delivery of have been grounded due to technical malfunctions, according to analysts and former Myanmar Air Force pilots who monitor the junta’s air capabilities. The JF-17 fighters – lightweight multi-role combat aircraft jointly manufactured by China and Pakistan – that the Myanmar Air Force has added to its fleet have structural cracks and other technical issues, they told *The Irrawaddy*. The aircraft, which are supposed to be capable of interception, ground attack and bombing missions, have turned out to be unfit for service, and the Myanmar military lacks the technical expertise to fix the problems, they added.

<https://www.irrawaddy.com/news/burma/technical-problems-ground-myanmars-jf-17-fighter-jets-bought-from-china.html>

Turkish-built corvettes to add strength to Pakistan’s littoral defense: Navy commander

Daily Sabah, November 27, 2022

Turkish-made corvettes tailored for the Pakistan Navy are set to contribute greatly to the defense of the South Asian country, Commander of the Pakistan Navy Adm. Muhammed Amjad Khan Niazi said Sunday. Niazi told Anadolu Agency (AA) in Istanbul, where the third MILGEM (National Ship) corvette’s launching ceremony was held, that those vessels will

“keep enemies at distance.” Expressing that military weakness will bring “aggression,” Niazi said: “But power keeps your enemies at a distance. For this reason, MILGEM corvettes will significantly strengthen the Pakistan Navy and defense.” Describing MILGEM corvettes as very capable platforms, Niazi pointed out that the ships are equipped with surface-to-surface- and surface-to-air weapon systems.

<https://www.dailysabah.com/business/defense/turkish-built-corvettes-to-add-strength-to-pakistans-littoral-defense-navy-commander>

European Union

E. France

France to Boost Cooperation With Indonesia on Warplanes & Submarines in Wake of AUKUS Humiliation

Sputnik International, November 17, 2022

Back in February, France’s Defense Ministry announced an ambitious deal with Indonesia that would see Jakarta purchase 42 Rafale fighter jets for an estimated \$8.1 billion, along with a spate of separate agreements pertaining to submarine development and ammunition. Indonesia is set to become one of France’s biggest arms clients in the Indo-Pacific region, as French President Emmanuel Macron was reported as touting boosted cooperation with Jakarta on everything from warplanes to submarines on the sidelines of the Asia Pacific Economic Cooperation (APEC) Summit in Bangkok on November 17.

<https://sputniknews.com/20221117/france-to-boost-cooperation-with-indonesia-on-warplanes-submarines-in-wake-of-aukus-humiliation-1104334074.html>

Modern technology ‘crucial to deter threats’

GDN Online, November 20, 2022

Modernising defence, as well as developing and deploying new technology, are critical to deter current and emerging threats, agreed two top military officials attending the 18th International Institute for Strategic

Studies (IISS) Regional Security Summit: The Manama Dialogue 2022 yesterday. French Deputy Secretary-General for Defence and National Security Lieutenant General Vincent Cousin pointed out that the hybrid war in Ukraine has demanded a modernisation of mindsets .

<https://www.gdnonline.com/Details/1148040>

After decades as a nuclear powerhouse, France makes its play in offshore wind

CNBC, November 25, 2022

A facility described as “France’s first commercial-scale offshore wind project” is fully operational, multinational utility EDF said this week. The news represents a significant step forward for the country’s offshore wind sector, with more projects set to come online in the years ahead. In a statement Wednesday, EDF said the 480-megawatt Saint-Nazaire Offshore Wind Farm would help to “support the French State’s energy transition goals, which include targets to generate 32% of its energy from renewable sources by 2030.” EDF’s majority shareholder is the French state. Located in waters off the south west coast of France, the Saint-Nazaire project consists of 80 turbines. Its first electricity was generated in June 2022. Looking ahead, EDF said the wind farm would “supply the equivalent of the consumption of 700,000 people with electricity every year.”

<https://www.cnbc.com/2022/11/25/after-years-as-nuclear-powerhouse-france-makes-play-in-offshore-wind.html?&qsearchterm=nuclear>

France points at BAE Systems in Australia nuclear submarines row

The Times, November 29, 2022

President Macron has been accused of playing into China’s hands with an outspoken attack on a deal for Britain and the United States to help Australia to acquire nuclear-powered submarines. The French leader and his ministers claim the agreement could provoke confrontation

with Beijing. They also suggest that Britain and America will be unable to provide the nuclear-powered submarines for “a lot longer than expected”. The French say Canberra would be better reviving a deal to buy conventionally powered French submarines.

<https://www.thetimes.co.uk/article/france-points-at-bae-systems-in-australia-nuclear-submarines-row-zl3lp2lbq>

F. Finland

Finland to spend \$143 million on Russia border fence

Reuters, November 17, 2022

Finland’s government on Thursday proposed spending 139 million euros (\$143.4 million) to build fences along parts of the country’s border with Russia, fulfilling a promise made in the wake of Moscow’s February invasion of Ukraine. Finland, which is applying for membership in the Western military alliance NATO, has a history of wars with Russia, but the forest-covered border is still only marked with signs and plastic lines for most of its 1,300 km (810 mile) length.

<https://www.reuters.com/world/europe/finland-spend-143-million-russia-border-fence-2022-11-17/>

France, Germany, Spain agree on moving on with FCAS warplane development

Reuters, November 19, 2022

France, Germany and Spain have reached agreement on starting the next phase of development of a new fighter jet dubbed FCAS, Europe’s largest defence project at an estimated cost of more than 100 billion euros (\$103.4 billion), the German government said on Friday. The Defence Ministry said in a statement that an industrial agreement was achieved after intense negotiations, confirming an earlier Reuters story saying the three countries and their respective industries had struck a deal.

<https://www.reuters.com/business/autos-transportation/france-germany-spain-agree-next-phase-fighter-jet-development-source-2022-11-18/>

Finland buys more arms from United States as it boosts defences

Reuters, November 22, 2022

The U.S. State Department has approved a second significant arms sale to Finland within a month, helping Russia’s Nordic neighbour in its bid to strengthen its defences due to the war in Ukraine, Finland and the United States said. After Russia invaded Ukraine in February, Finland’s government decided to grant an additional 1.7 billion euros (\$1.76 billion) to arms and other defence material purchases this year alone.

<https://www.reuters.com/world/europe/finland-buys-more-arms-united-states-it-boosts-defences-2022-11-29/>

Finland may resume OL3 nuclear tests on Dec 11, operator says

Reuters, November 22, 2022

Test production of electricity at Finland’s much-delayed Olkiluoto 3 nuclear reactor will restart on Dec. 11 at the earliest, while regular output is at best set to begin on Jan. 22, operator Teollisuuden Voima (TVO) said on Monday. TVO in October revealed that cracks were found in the OL3 reactor’s four feedwater pumps after test production, again delaying startup of the plant which was originally meant to begin operations in 2009.

<https://www.reuters.com/business/energy/finland-may-resume-ol3-nuclear-tests-dec-11-operator-says-2022-11-21/>

Finland and Sweden step up military aid to Ukraine ahead of winter

Saudi Gazette, November 23, 2022

It turns the thick, wet mud of autumn – churned by boots, tracks and tires – into a freezing quagmire that seeps inevitably through clothing, and into the bones of soldiers ill-equipped to face the changing seasons. In Finland and Sweden, the militaries know a thing or two about extreme cold weather combat, and how to battle the elements. And with an eye

on the weather, the two Nordic nations have announced their biggest packages of military aid for Ukraine to date.

<https://www.saudigazette.com.sa/article/627275/World/Europe/Finland-and-Sweden-step-up-military-aid-to-Ukraine-ahead-of-winter>

Delay at Finland's New Nuclear Reactor Imperils Country's Power Supply

Sputnik International, November 23, 2022

Despite being touted as a "flagship of European nuclear energy," Olkiluoto-3 has taken more than 15 years to complete, cost the Nordic nation dearly and ranks among the world's most expensive buildings, with a staggering price tag of at least \$11 billion. Finland's new Olkiluoto 3 reactor will remain offline longer than expected, and full-scale electricity production will not commence before 2023.

<https://sputniknews.com/20221123/delay-at-finlands-new-nuclear-reactor-imperils-countrys-power-supply-1104567883.html>

G. Germany

Germany to withdraw troops from Mali by May 2024

Reuters, November 22, 2022

Germany will start to pull out its troops from Mali from the middle of next year after a decade-long mission, with the withdrawal to be completed by May 2024, a government spokesperson said on Tuesday. Berlin has deployed some 1,000 troops to Mali, most near the northern town of Gao where their main task is to gather reconnaissance for the U.N. peacekeeping mission MINUSMA. The future of the German mission has been in doubt for a while due to recurring disputes with the ruling military junta in Bamako and the arrival of Russian forces in Gao, which added to Berlin's unease over an increasing Russian military presence in Mali.

<https://www.reuters.com/world/germany-withdraw-troops-mali-by-may-2024-spiegel-2022-11-22/>

Germany Sends New Batch of Military Aid to Ukraine

Kyiv Post, November 27, 2022

Last week, Germany sent another batch of special purpose vehicles for the Ukrainian military. This is said in a statement published on the website of the German government. In particular, the military support delivered to Ukraine last week included: 2 tank transporter tractor M1070 Oshkosh (8 had been delivered before), 14 border protection vehicles (39). Military support to Ukraine in planning/ in execution includes 14 tracked and remote controlled infantry vehicles for support tasks. The total value of individual licenses issued by the Federal Government for the export of military goods in the period from January 1, 2022 to November 21, 2022 amounts EUR to 1.636 billion. As reported, in late October, German Chancellor Olaf Scholz stated that Germany would provide Ukraine with three more IRIS-T air defense systems as soon as possible. Germany will deliver three more IRIS-T air defense systems to Ukraine as soon as possible.

<https://www.kyivpost.com/post/48>

H. NATO

NATO Admits Zelensky 'Openly Lied' About Poland Strike as Observers Slam Kiev for Pushing for WW3

Sputnik International, November 17, 2022

The world held its breath on Tuesday after a missile struck a Polish farm near the Ukrainian border, killing two people. Ukrainian officials immediately accused Moscow, while their Western patrons brought up invoking the NATO Treaty's article on collective defense. It soon emerged that the missile was Ukrainian. Western support for the Zelensky government is showing signs of strain, with Kiev's stubborn insistence that the S-300 air defense missile

which fell on the village of Przewodow, southeastern Poland was Russian despite evidence to the contrary adding insult to injury.

<https://sputniknews.com/20221117/nato-admits-zelensky-openly-lied-about-poland-strike-as-observers-slam-kirov-for-pushing-for-ww3-1104339186.html>

NATO Disarming Its Forces as Ukraine Tries to Provoke World War III

Sputnik International, November 17, 2022

NATO member states are hollowing out their armed forces in their rush to arm Ukraine for a proxy fight with Russia, defence and foreign affairs experts have said after a stray missile incident undermined trust in the Kiev regime.

The Kiev regime tested the patience of its Western backers on Tuesday night when President Volodymyr Zelensky demanded NATO intervene militarily against Russian forces – after two people were killed by a stray missile falling in neighbouring Poland.

<https://sputniknews.com/20221117/nato-disarming-its-forces-as-ukraine-tries-to-provoke-world-war-iii-1104323356.html>

NATO vows to aid Ukraine ‘for as long as it takes’

Arab News, November 25, 2022

NATO is determined to help Ukraine defend itself against Russia for “as long as it takes” and will help the war-racked country transform its armed forces into a modern army up to Western standards, the alliance’s Secretary-General Jens Stoltenberg vowed on Friday. Speaking to reporters ahead of a meeting of NATO foreign ministers in Romania next week, Stoltenberg urged countries that want to, either individually or in groups, to keep providing air defense systems and other weapons to Ukraine. NATO as an organization does not supply weapons.

<https://www.arabnews.com/node/2205851/world>

NATO Head Stoltenberg Holds Press Conference After Ministerial Meeting in Bucharest

Sputnik International, November 30, 2022

The North Atlantic Treaty Organization held a major summit in the Romanian capital on November 29-30, with foreign ministers of alliance member states addressing security issues, such as the crisis in Ukraine and the prospects for the bloc. Sputnik is live from Bucharest, where NATO Secretary General Jens Stoltenberg holds a press briefing following the North Atlantic Council foreign ministers meeting.

<https://sputniknews.com/20221130/nato-head-stoltenberg-holds-press-conference-after-ministerial-meeting-in-bucharest-1104860741.html>

NATO Adds ‘Fuel to the Fire’ in Bucharest, Would Be Termed Criminal Org in Nuremberg Trials- Experts

Sputnik International, November 30, 2022

At a summit in Bucharest, Romania, earlier this week, the NATO allies recommitted themselves to supporting Ukraine in its struggle against Russia, although not to supplying Kiev with more advanced weapons systems, such as the Patriot air defense missile battery. It also renewed a pledge, first made in the Romanian capital in 2008, to add Ukraine and Georgia, two former Soviet republics, to the NATO alliance.

<https://sputniknews.com/20221130/nato-adds-fuel-to-the-fire-in-bucharest-would-be-termed-criminal-org-in-nuremberg-trials-experts-1104912678.html>

I. Poland

World War III trending after missile in Poland

Albawaba, November 16, 2022

Fears of World War III are growing following the death of two people after a

“Russian-made” missile hit Poland on Tuesday. Yesterday, two Polish citizens were killed after a missile landed accidentally in the Przewodow region. Polish officials stated that the missile is Russian-made

<https://www.albawaba.com/node/world-war-iii-trending-after-missile-poland-1498845>

World leaders meet on missile that hit Poland, killing 2

Albawaba, November 16, 2022

U.S. President Joe Biden convened an emergency meeting of world leaders assembling for the G20 summit in Bali, hours after a missile struck NATO-member Poland, killing two people. The Polish Foreign Ministry said the missiles were “Russian-made.” Both Russia and Ukraine have used Russian-made weapons in the nearly nine-month conflict, including Russian-made missiles Kyiv deployed in its air defense system.

<https://www.albawaba.com/news/world-leaders-meet-missile-hit-poland-killing-2-1498883>

Poland says blast likely caused by Ukraine missile in accident

Muscat Daily, November 16, 2022

Poland on Wednesday said a deadly blast that killed two people in a village near the border with Ukraine was likely caused by a stray Ukrainian air defence missile launched against a Russian barrage. Polish President Andrzej Duda played down international fears of a further escalation in the war in Ukraine saying there was ‘no indication that this was an intentional attack on Poland’.

<https://www.muscatdaily.com/2022/11/16/poland-says-blast-likely-caused-by-ukraine-missile-in-accident/>

Poland stray missile hit casts spotlight on Nato air defence gaps

Gulf of Times, November 17, 2022

Poland had started to bolster its air defences long before a stray missile landed just inside its border on Tuesday, but a robust shield for the skies along Nato’s eastern flank is still

a long way off after decades of neglect following the Cold War.

<https://www.gulf-times.com/article/650223/opinion/poland-stray-missile-hit-casts-spotlight-on-nato-air-defence-gaps>

J. Sweden

Sweden’s Largest Reactor to Get Unplugged Amid Cold Spell, Affecting Power Prices

Sputnik International, November 30, 2022

Electricity prices are high across Scandinavia amid a looming winter due to less wind power being generated and the main rivers getting covered with ice; the shutdowns of several nuclear power plants across the region are bound to further aggravate the spike. Sweden’s largest reactor, Oskarshamn 3, will be disconnected from the country’s electricity grid for nine days for maintenance on its generator.

<https://sputniknews.com/20221130/swedens-largest-reactor-to-get-unplugged-amid-cold-spell-affecting-power-prices-1104847076.html>

K. United Kingdom

UK to Send 125 More Air Defense Systems to Ukraine, PM Sunak Says

Sputnik International, November 19, 2022

Russia launched its special military operation in Ukraine in February, after the Donetsk and Lugansk people’s republics appealed for help in defending themselves against Ukrainian provocations. In response to Russia’s operation, Western countries have rolled out a comprehensive sanctions campaign against Moscow. Russia has been targeting Ukraine’s military and energy infrastructure with massive air strikes since October 10, two days after the terrorist attack on the Crimean Bridge, which, Moscow believes, was carried out by the Ukrainian special services.

<https://sputniknews.com/20221119/live-updates-ukrainian-forces-shell-lugansk-republic-using-himars-missiles-lpr-1104416695.html>

UK PM Rishi Sunak announces air defence package for Ukraine on first visit to Kyiv

Times of Oman, November 20, 2022

United Kingdom Prime Minister Rishi Sunak has announced an air defence package worth £50 million for Ukraine. He made the announcement during his first trip to Kyiv since assuming office as Prime Minister on November 19. During his visit, Sunak informed Ukrainian President Volodymyr Zelenskyy that the UK will provide an air defence package for Ukraine, including 125 anti-aircraft guns and technology. He stressed that the air defence package will protect Ukraine against Russian strikes and help to counter "Iranian-supplied drones."

<https://timesofoman.com/article/123565-uk-pm-rishi-sunak-announces-air-defence-package-for-ukraine-on-first-visit-to-kyiv>

DPRK missile launch 'latest in a series of alarming activities' - UN political chief

UN News, November 21, 2022

Updating the Security Council on Monday, the head of UN Political and Peacebuilding Affairs (DPPA) recalled that last Friday, the Democratic People's Republic of Korea (DPRK) test-fired what it described as a new-type of intercontinental ballistic missile. Citing the DPRK's official news agency and various government sources, Rosemary DiCarlo told ambassadors that at around 10:15 am local time, the so-called Hwasong-17 missile flew a distance of 1,000 km at an altitude of approximately 6,100 km. "It is reportedly the first successful test of the DPRK's largest and most powerful missile, capable of reaching all of North America", she stated.

<https://news.un.org/en/story/2022/11/1130907>

Belgium Threatens to Sink UK's Nuclear Deterrent by Freezing Export of Key Tech: Reports

Sputnik International, November 25, 2022

The UK's nuclear arsenal consists of 225 warheads, with the weapons fitted aboard

four Vanguard-class Trident ballistic missile submarines patrolling the North Sea. Britain has the fourth-largest nuclear arsenal in the world. Green lawmakers from Belgium's ruling coalition government have vetoed the provision of an export license for a key piece of nuclear-related technology to Britain, putting a crimp in the latter's ability to domestically manufacture nuclear weapons, UK media have reported.

<https://sputniknews.com/20221125/belgium-threatens-to-sink-uks-nuclear-deterrent-by-freezing-export-of-key-tech-reports-1104685690.html>

Belgium blocks export of nuclear technology to UK

The Times, November 25, 2022

Belgium and the UK have become embroiled in a row after the Belgian government blocked the export of technology that is critical for maintaining the British nuclear deterrent, despite both countries being Nato allies. The dispute has been escalated by warnings within the Belgian government that Britain has threatened to cancel an arms order worth up to £514.90 million (•600 million) for machineguns made by Belgium's FN Herstal unless the export is authorised.

<https://www.thetimes.co.uk/article/belgium-uk-nuclear-row-technology-nato-kv78fcwdg>

UK has 'deep' vulnerabilities, admits defence secretary

The Times, November 25, 2022

Ben Wallace has said the army needs to be properly funded if Britain is going to deploy soldiers "all over the world". The army is set to shrink to its smallest size since the Napoleonic wars after ministers approved plans last year to reduce the overall number of troops from 82,000 to 72,500. But speaking to The Times on a visit to Norway this week, the defence secretary refused to rule out further cuts, emphasising the need to invest in other areas of the armed forces amid a squeeze across Whitehall.

<https://www.thetimes.co.uk/article/uk-has-deep->

vulnerabilities-admits-defence-secretary-tw9fnq9kn

Labour wants UK defence deal with Germany

The Times, November 25, 2022

Britain should consider signing a defence partnership with Germany to curb Russian aggression, Labour has said. Sir Keir Starmer is exploring the possibility of a “partnerschaft” with Berlin to deepen ties between the two countries. The UK and Germany are Nato’s two largest defence spenders in Europe. The agreement would mimic the UK-France Lancaster House agreement of 2010. David Cameron and President Sarkozy signed the bilateral treaty to improve British and French collaboration on nuclear deterrence and better integrate the two countries’ armed forces.

<https://www.thetimes.co.uk/article/uk-partner-germany-against-putin-russia-war-labour-ztrcg0rn>

Small nuclear power plants to replace gas in quest for net zero

The Times, November 26, 2022

Ministers are finalising plans to support a generation of new small nuclear reactors as part of a strategy to phase out gas power stations and decarbonise the UK’s electricity supply. Grant Shapps, the business secretary, is due to announce proposals for a body called Great British Nuclear (GBN) that will drive the government ambitions to triple nuclear generation. GBN will be responsible for developing a network of between 20 and 30 small modular reactors (SMRs) that are being built by Rolls-Royce. The reactors, which will each provide enough electricity to power a million homes, are significantly cheaper to build than full-scale reactors, and will be on existing or decommissioned nuclear sites.

<https://www.thetimes.co.uk/article/uk-nuclear-power-plants-net-zero-hfgwskj8>

Rolls-Royce in talks over first mini nuclear reactor for Ineos at Grangemouth

The Times, November 26, 2022

Rolls-Royce is in talks with Ineos to build a mini nuclear reactor to power the chemicals group’s Grangemouth refinery. Rolls is heading a government-backed consortium to develop between 20 and 30 small modular nuclear reactors but is in need of customers to help to reduce the risk of the venture. The FTSE 100 engineering company created the venture last year, which has received £280 million of investment from private firms, including the Qatar Investment Authority, and a £210 million government grant to support it through the safety approval process.

<https://www.thetimes.co.uk/article/rolls-royce-in-talks-over-first-mini-nuclear-reactor-for-ineos-at-grangemouth-8dzz0pbdw>

‘Critical opportunity’ to protect against biological warfare, countries hear

UN News, November 28, 2022

The international community should push ahead with stalled plans to prevent biological weapons from being developed in the wake of COVID-19, the UN’s top disarmament official insisted on Monday. In a speech to the Biological Weapons Convention, Izumi Nakamitsu explained that the issue of verifying whether biological toxins are being made has been deadlocked for 20 years. “While bringing biosafety and biosecurity to a much higher prominence, the pandemic also demonstrated the disruption that could be caused if biological agents were to be used in a deliberate manner as weapons of war or terror,” Ms. Nakamitsu said.

<https://news.un.org/en/story/2022/11/1131097>

UN envoy warns against 'worrying and dangerous' military escalation in Syria

UN News, November 29, 2022

Syria needs less military activity and more focus on the political process, UN Special Envoy Geir Pedersen told the Security Council on Tuesday, appealing for restraint amid a worrying trend towards escalation. Mr. Pedersen feared the ramp-up in military operations has the potential to unravel a strategic stalemate in the war that has brought relative calm for almost three years.

<https://news.un.org/en/story/2022/11/1131157>

L. Ukraine

Destruction in Kiev caused by Ukrainian air defense missiles – Russian top brass

Tass Russian News Agency, November 16, 2022

As the general stressed, "during the massive strike by high-precision weapons against facilities on Ukrainian territory on November 15, not a single missile strike was delivered against sites in the city of Kiev". The destruction in the residential areas of the Ukrainian capital of Kiev demonstrated by the country's authorities was caused by falling Ukrainian air defense missiles, Russian Defense Ministry Spokesman Lieutenant-General Igor Konashenkov said on Wednesday.

<https://tass.com/defense/1537641>

Germany ready to patrol Polish airspace, Defense Ministry says

Tass Russian News Agency, November 16, 2022

Berlin is prepared to patrol Poland's airspace and send its Eurofighter aircraft on the mission, German Defense Ministry Spokesman Christian Thiels said at a briefing on Wednesday. "It can happen as early as tomorrow if Poland so wishes," he said.

According to Thiels, the aircraft may depart on the patrolling mission from bases in Germany.

<https://tass.com/world/1537659>

G20 declaration in Bali puts Ukraine war's negative economic impact in focus

Arab News, November 16, 2022

Most of the leaders of the G20 who participated in the Bali summit have condemned Russia's invasion of Ukraine and demanded its unconditional withdrawal from Ukrainian territory in the final declaration. The statement, issued on Wednesday, was the outcome of a challenging meeting that took place at a moment of geopolitical turmoil and fears of a global recession.

<https://www.arabnews.com/node/2200951/world>

Ukraine Urging NATO to Provide Defensive Fighter Jets

Kyiv Post, November 16, 2022

Foreign Minister Dmytro Kuleba has expressed his solidarity with Poland and suggested convening an urgent NATO summit. He considers it right to provide Ukraine with modern F-15 and F-16 fighter jets, as well as air defense systems, as one of the further joint actions. "Ukraine reaffirms its full solidarity with Poland and stands ready to provide any necessary support. Collective response to Russian actions must be tough and principled. Among immediate actions: a NATO summit with Ukraine's participation to craft further joint actions which will force Russia to change its course on escalation, providing Ukraine with modern aircraft such as F-15 and F-16, as well as air defense systems, so that we can intercept any Russian missiles. Today, protecting Ukraine's skies means protecting," Kuleba wrote on Twitter late on Tuesday, Nov. 15.

<https://www.kyivpost.com/post/183>

Ukraine's plea to West for more air defences after Poland crisis

The Times, November 16, 2022

Ukraine has demanded more western air defences after a Soviet-era missile appeared to misfire, killing two people in Poland, and threatened a Nato confrontation with Russia. Volodymyr Havrylov, Ukraine's deputy defence minister, said Kyiv needed more sophisticated weaponry to defend itself from the daily bombardment of Russian cruise missiles and kamikaze drones.

<https://www.thetimes.co.uk/article/russia-poland-missile-ukraine-war-latest-news-g20-summit-gckl000cb>

Ukraine pleads for western air defences after Poland missile strike

The Times, November 16, 2022

Ukraine has demanded more western air defences after a Soviet-era missile appeared to misfire, killing two people in Poland and threatening a Nato confrontation with Russia. Volodymyr Havrylov, Ukraine's deputy defence minister, said Kyiv needed more sophisticated weaponry to defend itself from the daily bombardment of Russian cruise missiles and kamikaze drones.

<https://www.thetimes.co.uk/article/ukraine-pleads-for-western-air-defences-after-poland-missile-strike-2q9js6ghs>

Zelensky Still Has Doubts About Missile that Hit Poland

Kyiv Post, November 17, 2022

On Thursday, Nov. 17, at the Bloomberg New Economy Forum conference, Ukraine's President Volodymyr Zelensky said that Ukrainian experts would investigate the circumstances of the missile crash in Poland. According to Zelensky, confirmation that Ukrainian specialists would participate in the investigation of the missile crash was received on Wednesday, Nov. 16. "Until the investigation is completed, we cannot say which missiles or their parts fell on the territory of Poland. However, we've seen

pictures of the diameter of the crater – it could not be a result of the parts of anti-missile systems," he said.

<https://www.kyivpost.com/post/156>

Ukraine Air Defenses Under Pressure as Russia Strikes Infrastructure

Kyiv Post, November 18, 2022

Ukraine's air defenses are playing a key role in countering Russia's invasion, preventing Moscow's forces from gaining control of the skies and helping shield the country against missile and drone attacks. But with Russia stepping up strikes on Ukraine's energy infrastructure as it faces growing losses on the ground, Kyiv is pressuring its supporters – in particular the United States – to provide advanced equipment such as Patriot missiles and F-15 warplanes. "As Ukraine continues to fight, air defense capabilities are becoming critical for their future success," General Mark Milley, the top US military officer, said Wednesday.

<https://www.kyivpost.com/post/148>

Power Cuts and Infrastructure Damage After Russian Strike: Kyiv

Kyiv Post, November 19, 2022

Millions of Ukrainians in more than a dozen provinces are experiencing severe power disruptions as temperatures plunge and almost half of the country's energy infrastructure is in need of repair after weeks of Russian attacks, officials in Kyiv said Friday. Russia, meanwhile, accused Kyiv's forces of executing a group of its soldiers who were surrendering to Ukraine in what Moscow described as a "massacre" that amounted to a war crime. The assessment by Ukrainian Prime Minister Denys Shmyhal of the widespread damage to the country's grid comes after weeks of sustained Russian attacks on its energy infrastructure.

<https://www.kyivpost.com/post/136>

Ukraine's half energy system 'crippled by Russian strikes'

GDN Online, November 19, 2022

Russian missile strikes have crippled almost half of Ukraine's energy system, the government said yesterday, and authorities in the capital Kyiv warned that the city could face a "complete shutdown" of the power grid as winter sets in. With temperatures falling and Kyiv seeing its first snow, officials were working to restore power nationwide after some of the heaviest bombardment of Ukrainian civilian infrastructure in nine months of war.

<https://www.gdnonline.com/Details/1147998>

Ukrainian forces hit Zaporozhye NPP 12 times on Nov 19

Tass Russian News Agency, November 20, 2022

The Ukrainian armed forces have carried out 12 strikes against the Zaporozhye nuclear power plant (NPP) on Saturday, for the first time since September, Renat Karchaa, an advisor to the director general of Russia's Rosenergoatom company, said in a televised interview with Rossiya-24 news channel. "Twelve strikes hit the Zaporozhye nuclear power plant from 5.15 p.m. to 5.41 p.m. We mean the perimeter of the plant, but not the industrial zone or any other areas adjacent to the plant," Karchaa said.

<https://tass.com/defense/1539329>

Ukraine's troops continue to target ZNPP, shell it twice on Sunday – Russian top brass

Tass Russian News Agency, November 20, 2022

On the morning of November 20, Ukrainian troops shelled the territory of the nuclear power plant twice, Igor Konashenkov said. Ukrainian troops continue to shell the territory around the Zaporozhye Nuclear Power Plant, shelling the plant twice on

Sunday morning, Russian Defense Ministry Spokesman Igor Konashenkov said on Sunday.

<https://tass.com/defense/1539441>

Massed Russian Tank Attacks a Thing of Past, Hundreds Destroyed

Kyiv Post, November 21, 2022

Massed offensives of high-tech Russian tanks attacking in unstoppable waves of armor and firepower aren't just taking place less and less – they are probably close to extinct. Oryx, a Dutch defense analysis website and research group, reported in a Nov. 20 analysis Moscow has lost fully 40 percent of all the tanks Russia had in inventory before invading Ukraine. Based on independently confirmed images of destroyed, knocked-out, or captured Russian tanks, the report said the Kremlin has lost slightly more than 1,500 tanks since the war began, among them 859 destroyed, 64 damaged, 56 abandoned, and 521 captured by the Armed Forces of Ukraine (AFU).

<https://www.kyivpost.com/post/105>

Establishment of security zone around ZNPP to depend on Washington – Rosatom CEO

Tass Russian News Agency, November 21, 2022

"I don't think that a large distance between Washington and Zaporozhye can be an argument for the United States to put the brakes on any decision on the security zone," Alexey Likhachev said. The establishment of a security zone around the Zaporozhye nuclear power plant will depend on what Washington chooses to do, Alexey Likhachev, director general of Russia's state nuclear corporation Rosatom, said on Monday.

<https://tass.com/defense/1539761>

Further Shelling of Zaporozhye NPP May Lead to Nuclear Disaster - Russia's Rosenergoatom

Sputnik International, November 21, 2022

Further Ukrainian shelling of the Zaporozhye Nuclear Power Plant (NPP) may lead to a real nuclear disaster, an adviser to the head of Rosenergoatom, a subsidiary of Russian state nuclear energy corporation Rosatom, said on Monday. "A nuclear disaster could take place. A nuclear reactor is working, its power supply stops because of the shelling... How could a reactor be cooled down? Not cooling it down could lead to the reactor's overheating, and then it could result in a disaster," Renat Karchaa told Russian broadcaster Channel One.

<https://sputniknews.com/20221121/further-shelling-of-zaporozhye-npp-may-lead-to-nuclear-disaster-russias-rosenergoatom-1104515429.html>

President Zelensky urges EU to act after Russians 'bombard nuclear site'

The Times, November 22, 2022

President Zelensky urged Nato members to help protect Ukraine's atomic energy facilities from Russia after a UN inspection found the Zaporizhzhya nuclear plant was damaged by shelling over the weekend. "All our nations are interested in not having any dangerous incidents at our nuclear facilities," Zelensky told Nato members yesterday in a video address to the alliance's parliamentary assembly in Madrid.

<https://www.thetimes.co.uk/article/president-zelensky-urges-eu-act-russians-bombard-nuclear-strike-q6qgss68m>

Ukrainian Troops Strike Zaporozhye Nuclear Plant Days After a Missile Hits Poland

Sputnik International, November 22, 2022

On this episode of Fault Lines, hosts Manila Chan, Melik Abdul and Jamarl Thomas discussed several domestic and international topics, including the Ukrainian attack on the Zaporozhye nuclear plant.

<https://sputniknews.com/20221122/ukrainian-troops-strike-zaporozhye-nuclear-plant-days-after-a-missile-hits-poland-1104512332.html>

[troops-strike-zaporozhye-nuclear-plant-days-after-a-missile-hits-poland-1104512332.html](https://sputniknews.com/20221122/ukrainian-troops-strike-zaporozhye-nuclear-plant-days-after-a-missile-hits-poland-1104512332.html)

Politician explains why Ukraine resumed its bombardment of Zaporozhye nuke plant

Tass Russian News Agency, November 22, 2022

The Russian permanent mission in Vienna described the IAEA resolution as going beyond the agency's mandate. The resumption of Ukrainian attacks on the Zaporozhye nuclear power plant after a two-month break is due to Russia's position on the International Atomic Energy Agency (IAEA) resolution adopted last week, which calls on Russia to give up control over the plant, Vladimir Rogov, chairman of the 'We Are Together with Russia' movement, told a TASS correspondent on Tuesday.

<https://tass.com/defense/1540405>

Zaporozhye NPP operator reports heaviest attacks from Ukrainians last weekend

Tass Russian News Agency, November 23, 2022

Ukrainian forces resumed bombardments of the Zaporozhye NPP after a two-month lull. On November 19-20, the heaviest attacks ever at the Zaporozhye nuclear power plant were reported, Renat Karchaa, adviser to the chief executive of Russia's Rosenergoatom nuclear power plant operator, told TASS on Wednesday.

<https://tass.com/defense/1540595>

Ukrainians abandon offensive plans amid bad weather, lack of munition – LPR militia

Tass Russian News Agency, November 23, 2022

On Friday, he said Ukrainian troops had moved into a defensive crouch near several locations toward Lugansk due to fatigue. Ukrainian military commanders have abandoned plans for a large-scale offensive toward the Lugansk People's

Republic (LPR) amid unfavorable weather conditions and ammunition supply disruptions, LPR People's Militia officer Andrey Marochko told TASS on Wednesday.

<https://tass.com/defense/1540599>

Distillate tanks damaged in Ukrainian attacks on Zaporozhye NPP, operator says

Tass Russian News Agency, November 23, 2022

Earlier, it was reported that the heaviest Ukrainian attacks ever had been reported at the nuclear facility last weekend. Storage tanks containing distillates were damaged between two power units of the Zaporozhye nuclear power plant in recent Ukrainian attacks, Renat Karchaa, adviser to the chief executive of Russia's Rosenergoatom nuclear power plant operator, told TASS on Wednesday.

<https://tass.com/defense/1540607>

Ukraine Defiant as Latest Russian Missile Strikes Cause Massive Blackouts

Kyiv Post, November 23, 2022

Russia on Wednesday, Nov. 23 unleashed a new wave of missile strikes at the Ukrainian energy grid and heating infrastructure, cutting power in at least a dozen regions and leaving millions without electricity, as defiant Ukrainian officials vowed to repair the damage. The cruise missile attacks began with the 12:40 launch of weapons from 10 Tu-95 bombers in airspace over Russia's western Rostov Region. The first missiles impacted at 13:30 and the last at 15:00. There were no early reports on the number of missiles fired. The base missile load of a Tu-95 is six weapons.

<https://www.kyivpost.com/post/85>

Armed Hostile Conflict: Atrocity of Atrocities

Kyiv Post, November 23, 2022

In my early formative years, Hollywood, TV, toy guns, and games inundated and inured

me to violence. It was always the good guys against the bad guys. My father fought in World War II and the Korean War, and my brother in the Vietnam War. Later, schooling taught me of other wars around the world. The one that hurt most and awakened me was the Rwandan Civil War between the Hutu and Tutsi groups. The power struggle resulted in genocide. The Hutu killed thousands of Tutsis on the banks of the Kagera River.

<https://www.kyivpost.com/opinion/80>

Ukraine: Missile strikes, summary executions highlight importance of international law

UN News, November 25, 2022

Amidst recent allegations of war prisoners being summarily executed in Ukraine, UN High Commissioner for Human Rights Volker Türk expressed his shock on Friday over unabated human suffering as Russian missile and drone strikes against critical infrastructure continue on a broad scale. "Millions are being plunged into extreme hardship and appalling conditions of life by these strikes", he said. "Taken as a whole, this raises serious problems under international humanitarian law, which requires a concrete and direct military advantage for each object attacked".

<https://news.un.org/en/story/2022/11/1131067>

"They're like zombies" - Ukrainian Soldiers Describe Fighting Russians in Donbas

Kyiv Post, November 25, 2022

Soldiers are battling trench foot while the rain and snow have turned roads to mud and ongoing power outages have led many to question how they will manage to endure the coming cold as winter descends on the frontlines in eastern Ukraine. But despite the cold and miserable conditions in Donbas to the east, the Russians just keep coming, according to Ukrainian forces near the frontlines. "They're like zombies. You shoot them and more come constantly," a 30-year-old

Ukrainian soldier with the call sign Kit, which means whale, told AFP.

<https://www.kyivpost.com/post/66>

Ukraine Firing Thousands of Artillery Rounds a Day

Kyiv Post, November 27, 2022

Ukraine can fire thousands of artillery rounds daily, defending itself against Russian invaders. At the same time, NATO forces in Afghanistan might have fired 300 rounds a day. That's according to The New York Times, Ukrinform reports. According to NATO officials, the amount of artillery being used is staggering. In Afghanistan, NATO forces might have fired even 300 artillery rounds a day and had no real worries about air defense.

<https://www.kyivpost.com/post/51>

'Little By Little': Ukraine Grinds Away on the Northeastern Front

Kyiv Post, November 28, 2022

The motivation to keep fighting the Russians is simple for Viking, a Ukrainian soldier near the northeastern frontlines as cold weather and artillery onslaughts bogs down both sides. He wants revenge. "I can say that the hardest thing for me is the death of my friends. I had motivation before... but the anger, aggression and hatred reinforces it," says Viking, the nom de guerre of the 26-year-old tank gunner. But despite the heavy losses incurred by the Ukrainian military over nine months of fighting since the Russian invasion in February, Viking and others in his tank platoon remain confident they will win the war.

<https://www.kyivpost.com/post/43>

100-mile strike weapon weighed for Ukraine as arms makers wrestle with demand

GDN Online, November 28, 2022

The Pentagon is considering a Boeing proposal to supply Ukraine with cheap, small precision bombs fitted onto abundantly available rockets, allowing Kyiv to strike far

behind Russian lines as the West struggles to meet demand for more arms. US and allied military inventories are shrinking, and Ukraine faces an increasing need for more sophisticated weapons as the war drags on. Boeing's proposed system, dubbed Ground-Launched Small Diameter Bomb (GLSDB), is one of about a half-dozen plans for getting new munitions into production for Ukraine and America's Eastern European allies, industry sources said.

<https://www.gdnonline.com/Details/1148700>

Ukraine Urges Allies to Speed Up Support for Winter of War

The Moscow Times, November 30, 2022

Ukraine urged NATO members Tuesday to speed up weapons deliveries and help restore its shattered power grid, as Western allies vowed to bolster support to aid Kyiv through winter in the face of Russia's attacks. Moscow has unleashed waves of strikes against Ukraine's energy infrastructure as its troops are pushed back on the ground, plunging millions of people into darkness. Ukraine's Foreign Minister Dmytro Kuleba called for supplies of weapons, especially advanced air defence systems, to come "faster, faster, faster" as he joined a two-day meeting of NATO foreign ministers in the Romanian capital Bucharest.

<https://www.themoscowtimes.com/2022/11/30/lukraine-urges-allies-to-speed-up-support-for-winter-of-war-a79537>

Ukraine Will Never Become NATO Member, US Military Analyst Says

Sputnik International, November 30, 2022

Following the launch of Russia's military operation in Ukraine on February 24, the United States and its NATO allies moved to provide significant military and financial assistance to Kiev while at the same time trying hard to avoid a direct confrontation with Moscow. On November 29 and 30, foreign ministers of the NATO member states gathered in

Bucharest to discuss various issues concerning the military alliance, including the ongoing armed conflict in Ukraine.

<https://sputniknews.com/20221130/ukraine-will-never-become-nato-member-us-military-analyst-says-1104910731.html>

Strife between Ukrainian military, Polish mercenaries mounting – LPR militia

Tass Russian News Agency, November 30, 2022

According to Andrey Marochko, the Poles have been receiving extra money as donations on top of their fixed pay and Western sponsors have been sending in large amounts of gear and special equipment. Ukrainian service members have been increasingly complaining about how Polish mercenaries treat them and the privileges that they enjoy, Andrey Marochko, an officer with the Lugansk People's Republic's (LPR) People's Militia, said on Wednesday.

<https://tass.com/defense/1543711>

M. United States of America

Pentagon audit eases Ukraine arms shipments, despite failing grade

Reuters, November 16, 2022

An audit of the Pentagon's finance systems and weapons stocks has made it easier for President Joe Biden's administration to locate and ship weapons to Ukraine, even though auditors gave the U.S. Department of Defense a failing grade. The Pentagon racked up its fifth consecutive annual comprehensive audit failure, with auditors concluding that its internal systems and processes for tracking weapons and finances were still not up to snuff despite some progress, Mike McCord, the department's chief financial officer, told reporters.

<https://www.reuters.com/world/us/pentagon-fails-fifth-audit-while-facilitating-ukraine-arms-shipments-2022-11-16/>

U.S. rejects funding to re-open Michigan nuclear plant -Holtec

Reuters, November 19, 2022

The U.S. Department of Energy rejected Holtec International's application for funding to reopen the Palisades nuclear power plant in Michigan, a Holtec spokesperson said on Friday. Holtec bought the 805 megawatt Palisades plant in May to decommission the facility, which had struggled to compete with natural gas-fired plants and renewable energy. It was looking to reopen it with funding from the initial phase of the Energy Department's \$6 billion Civil Nuclear Credit program.

<https://www.reuters.com/business/energy/us-rejects-funding-re-open-michigan-nuclear-plant-holtec-2022-11-18/>

Biden administration will give PG&E \$1.1 billion to help keep California nuclear plant online

CNN, November 21, 2022

Nuclear energy in California got a jolt of financial support from the Biden administration on Monday as the US Department of Energy awarded a \$1.1 billion grant to Pacific Gas & Electric to help extend the life of its Diablo Canyon Power Plant on the central California coast. The Diablo plant was scheduled to be decommissioned in two phases, one in 2024 and another in 2025, something Gov. Gavin Newsom has worked to avoid as California's electric grid has been stressed in recent years by intense heat waves and destructive wildfires. The federal grant doesn't ensure the plant will stay open beyond 2025, but it "creates a path forward for Diablo Canyon to remain open," DOE said in a news release.

<https://edition.cnn.com/2022/11/21/politics/biden-funds-diablo-nuclear-california-climate/index.html>

Cyber as important as missile defences - ex-NATO general

Reuters, November 22, 2022

A cyber attack on the German ports of Bremerhaven or Hamburg would severely impede NATO efforts to send military reinforcements to allies, retired U.S. General Ben Hodges told Reuters. The European Commission proposed an action plan to bolster cyber defence earlier this month; Hodges, who commanded U.S. Army forces in Europe from 2014 until 2017 and has long argued that civilian infrastructure is an essential pillar of military strategy, said cyber protection is just as important as missile defence systems to guard the German North Sea ports.

<https://www.reuters.com/world/cyber-important-missile-defences-ex-nato-general-2022-11-21/>

U.S. says continues to oppose any military action destabilizing Syria

Reuters, November 22, 2022

The United States continues to oppose any military action that destabilizes the situation in Syria, a State Department spokesperson said on Monday, adding that Washington has communicated its serious concerns to Ankara over the impact of such an offensive on the goal to fight against Islamic State. "We have urged Turkey against such operations, just as we have urged our Syrian partners against attacks or escalation," a Department spokesperson said in emailed responses to questions.

<https://www.reuters.com/world/middle-east/us-says-continues-oppose-any-military-action-destabilizing-syria-2022-11-22/>

U.S. calls for U.N. Security Council president's statement on North Korea missiles

Reuters, November 22, 2022

The United States called on Monday for a United Nations Security Council presidential statement to hold North Korea accountable for its missile tests after Pyongyang's launch last week of an intercontinental ballistic missile capable of reaching the U.S.

mainland. The U.S. ambassador to the United Nations, Linda Thomas-Greenfield said it was vital the 15-member Security Council respond with one voice and reiterated U.S. charges that China and Russia were "emboldening" Pyongyang by blocking council action.

<https://www.reuters.com/world/us-calls-un-security-council-presidents-statement-north-korea-missiles-2022-11-21/>

U.S. authorizes \$400 mln in new military aid for Ukraine

Reuters, November 22, 2022

The United States has authorized an additional \$400 million in military aid to Ukraine, which will include weapons, munitions and air defense equipment, Secretary of State Antony Blinken said on Wednesday. "The artillery ammunition, precision fires, air defense missiles, and tactical vehicles that we are providing will best serve Ukraine on the battlefield," Blinken said in a statement. The Pentagon said the package included additional munitions for NASAMS air defense systems and for high mobility artillery rocket systems (HIMARS).

<https://www.reuters.com/world/europe/us-authorizes-400-mln-new-military-aid-ukraine-2022-11-23/>

US facilities mark waste disposal progress

CNBC, November 23, 2022

The first transuranic waste has been placed in a new panel at the Waste Isolation Pilot Plant (WIPP) in New Mexico. Meanwhile, the capacity of a landfill disposal facility for waste and radioactively contaminated debris from decontamination and demolition work at Idaho National Laboratory (INL) is to be increased. The US Department of Energy Office of Environmental Management (DOE EM), US Environmental Protection Agency (EPA) and the state of Idaho have agreed to increase the capacity of the Idaho CERCLA Disposal Facility (ICDF) and construct an additional disposal cell and

lined ponds to allow for a further 25 years of waste disposal.

<https://www.world-nuclear-news.org/Articles/US-facilities-mark-waste-disposal-progress>

Peninsula Energy to restart Wyoming uranium operation

CNBC, November 23, 2022

The company's Board of Directors has made the financial investment decision that will see production activities begin at the Lance project during the first quarter of 2023, for delivery into existing offtake contracts in the final quarter of the year. Lance contains JORC-compliant resources totalling 53.7 million pounds U3O8 (20,565 tU), which the company said makes it one of the largest uranium production development projects in the USA. It last produced uranium in July 2019. At that time, the high-pH in-situ leach (ISL) method in use at the project was delivering lower than expected recoveries of uranium. Following studies and field trials carried out since then, it will return to operations using a low-pH recovery process. It is the only uranium ISL project situated in the USA that is fully permitted to use low-pH recovery.

<https://www.world-nuclear-news.org/Articles/Peninsula-Energy-to-restart-Wyoming-uranium-operat>

US Lawmaker: Artificial Intelligence Could Take Over World, More Dangerous Than Nukes

Sputnik International, November 23, 2022

Artificial Intelligence (AI) in the coming decades could become a bigger threat to world peace and human survival than nuclear weapons unless there is an international agreement on how to regulate and limit it, US Rep. Seth Moulton (D-MA) has said. Moulton, who co-chaired the Future of Defense Task Force, made the remarks on Tuesday during an event at the Hudson Institute.

<https://sputniknews.com/20221123/us-lawmaker-artificial-intelligence-could-take-over-world-more-dangerous-than-nukes-1104566421.html>

US-Supplied Missile Injured Three in Ukrainian Apartment Block

Sputnik International, November 24, 2022

The US and other NATO and Western countries have sent huge quantities of arms to Ukraine since before the Russian military operation there – without any accounting for whose hands they reach or how they are used. A US-made missile supplied to Ukrainian forces has injured three civilians when it hit an apartment block in the city of Kramatorsk. A US newspaper belatedly reported the incident, which happened in September in the Ukrainian-held city in the north of the Donetsk People's Republic (DPR).

<https://sputniknews.com/20221124/self-harm-us-supplied-missile-injured-three-in-ukrainian-apartment-block-1104626806.html>

Star(t) Wars: Pentagon Accuses PRC of Militarizing Space, Threatening US Supremacy

Sputnik International, November 28, 2022

China and Russia proposed a comprehensive treaty aimed at nipping the danger of the militarization of space in the bud more than a decade ago, but four successive US administrations in a row have dismissed the proposal as a "diplomatic ploy." The director of staff of the US Space Force has accused China of posing a growing threat to America in the race for military supremacy in outer space.

<https://sputniknews.com/20221128/start-wars-pentagon-accuses-prc-of-militarizing-space-threatening-us-supremacy-1104779480.html>

Pentagon Has No Plans to Provide Patriot Missiles to Ukraine

Sputnik International, November 29, 2022

In February, Russia launched a military operation in Ukraine after calls for help from the republics of Donetsk and Lugansk. President Vladimir Putin stressed that Moscow aims to stop the eight-year-long war, waged by Kiev against the people of Donbass. Russian forces have

been targeting energy facilities across Ukraine since 10 October in retaliation for multiple attacks on Russian infrastructure and the bombing of the Crimean Bridge, reportedly carried out by Kiev's special services.

<https://sputniknews.com/20221129/live-updates-nato-summit-reportedly-says-now-is-not-the-time-for-ukraine-to-join-alliance-1104807307.html>

Israel and US to Simulate Strike on Iran Nuclear Program During Air Drills

Sputnik International, November 29, 2022

Israel, the only state in the Middle East that allegedly possesses nuclear arms, considers Iran a direct threat to its national security. Under an agreement signed between Israel and the US, Washington will assist Israel with missile defense in case of war in the region. The Israel Air Force is due to hold one of its largest drills in years with the United States. During the drills, fighter jets will simulate offensive strikes against Iran's nuclear program infrastructure. The drills are taking place over the Mediterranean Sea and Israel from November 29 to December 1. However, Israeli officials have signaled that they are reluctant to attack Iran.

<https://sputniknews.com/20221129/israel-and-us-to-simulate-strike-on-iran-nuclear-program-during-air-drills-1104827287.html>

US tells Turkey ground incursion in Syria 'will not resolve' its security concerns

The National News, November 30, 2022

The US is walking a fine line between competing allies, as Turkey increases its threats against the Syrian Democratic Forces. Turkey has ramped up strikes on Kurdish groups in Syria and has threatened to carry out a ground invasion following a bombing in Istanbul earlier this month. Ankara blamed the attack on Kurdish militias, including the US-backed SDF. The group has denied involvement.

<https://www.thenationalnews.com/world/us-news/2022/11/29/us-tells-turkey-ground-incursion-in-syria-will-not-resolve-its-security-concerns/>

US Reportedly Mulling Expanding Training of Up to 2,500 Ukraine Troops Per Month in Germany

Sputnik International, November 30, 2022

Russia launched the special military operation in Ukraine in February, after Kiev increased attacks against the Donetsk and Lugansk people's republics. In response to the op, western countries have imposed sanctions against Moscow, and started providing Ukraine with military and financial aid. Russia has been targeting Ukraine's military and energy infrastructure in high-precision strikes since October 10, in retaliation to multiple attacks on Russian infrastructure - including the deadly bombing of the Crimean Bridge, carried out by Kiev's special forces.

<https://sputniknews.com/20221130/live-updates-ukrainian-forces-have-shelled-dpr-36-times-over-past-day-authorities-say-1104848924.html>

Beijing: US Exaggerates 'Chinese Threat' to Justify Nuclear Buildup

Sputnik International, November 30, 2022

The United States is talking up the issue of the "Chinese threat" to use it as an excuse for building up its nuclear arsenal and maintaining military hegemony, Chinese Foreign Ministry spokesman Zhao Lijian said on Wednesday. On Tuesday, the US Defense Department published the 2022 China Military Power Report, which stated that Beijing could accelerate the pace of its nuclear forces modernization in the next decade and produce about 1,500 nuclear warheads by 2035.

<https://sputniknews.com/20221130/beijing-us-exaggerates-chinese-threat-to-justify-nuclear-buildup-1104862607.html>

U.S. State Department approves potential anti-drone system sale to Qatar for \$1 billion

Reuters, November 30, 2022

The U.S. State Department has approved the potential sale of an anti-drone system to Qatar in a deal valued at \$1 billion, the

Pentagon said on Tuesday. The principal contractors will be Raytheon Technologies Corp (RTX.N), SRC and Northrop Grumman Corp (NOC.N), the Pentagon said in a statement. It added that the Pentagon's Defense Security Cooperation Agency notified Congress of the possible sale on Tuesday.

<https://www.reuters.com/world/us/us-state-department-approves-potential-drone-sale-qatar-1-billion-2022-11-29/>

N. CANADA

ARC SMR proposed for green energy hub at Canadian port

CNBC, November 29, 2022

The Belledune Port Authority (BPA) wants to use advanced small modular reactor (SMR) technology as part of a future expansion at the port in northern New Brunswick, and says an ARC-100 providing energy for hydrogen production and other industries could be in operation by 2030-2035. The BPA has announced it is working with project development company Cross River Infrastructure Partners on the proposal to use ARC Clean Technology Canada's (ARC) reactor design to generate a minimum of 1GW of zero-emission firm heat and power for industrial users at the port's recently announced Green Energy Hub. The project could reach commercial operation between 2030 and 2035, subject to feasibility studies, environmental approvals and licensing from the Canadian Nuclear Safety Commission, it said.

<https://www.world-nuclear-news.org/Articles/ARC-SMR-proposed-for-green-energy-hub-at-Canadian>

O. Africa

Nuclear Power Could Solve Africa's Poverty Problem, Activist Says

Sputnik International, November 26, 2022

In November, the International Atomic Energy Agency (IAEA) stated that Ghana, Nigeria, and Kenya could start producing nuclear energy in the next few years and that the majority of African countries would

be able to do the same by 2030. A central element of Africa's industrial transformation is gaining energy independence, experts point out. In an interview with Sputnik, Princy Mthombeni, nuclear activist, head and founder of the platform Africa4Nuclear, says that the peaceful atom is key to the continent's industrial development – and, subsequently, solving social and economic problems.

<https://sputniknews.com/20221126/nuclear-power-could-solve-africas-poverty-problem-activist-says-1104726998.html>

West Asia

P. Iran

Biden's humbug: Tells Iran 'in hurry' to revive JCPOA; tells US media 'not a priority'

Press Tv, November 16, 2022

Iran's foreign minister Hossein Amir-Abdollahian says Americans are sending messages, stressing that they are "in hurry" to return to the 2015 nuclear deal, while "hypocritically" hoodwinking the Western media that the accord is not a priority for them currently. Speaking to reporters on Wednesday on the sidelines of a cabinet session in Tehran, Amir-Abdollahian pointed to the latest developments in the stalled talks on reviving the nuclear deal, formally known as the Joint Comprehensive Plan of Action (JCPOA), and lifting sanctions. Messages with the American side are constantly being exchanged, he asserted, adding that the last message was conveyed "in the past 72 hours". "Americans are sending messages through some foreign ministers that they are in hurry for [returning to] the JCPOA, but when Rob Malley speaks to media, he hypocritically says the JCPOA 'is not our focus right now' and points to provocations that they seek to have about riots ... in Iran," said the top diplomat.

<https://www.presstv.ir/Detail/2022/11/16/692833/Iran-FM-says-US-in-hurry-for-JCPOA-return>

U.S. slaps fresh sanctions on certain Iranian companies

Tehran Times, November 16, 2022

New sanctions have been put in place by the U.S. Treasury Department on firms that are allegedly engaged in the manufacturing or transfer of drones to Russia. The Shahed Aviation Industries Research Center is one of the companies that the Office of Foreign Assets Control (OFAC) of the U.S. Department of the Treasury believes is involved in the manufacturing of Iranian unmanned aerial vehicles (UAVs) or their continuous transfer to Russia. The new embargo list singles out Iran's Shahed Aviation Industries Research Center, the United Arab Emirates' Success Aviation Services FZC (Success Aviation), and the United Arab Emirates' iJet Global DMCC (iJet) based on unfounded allegations that these companies are producing and facilitating the transfer of Iranian-made drones to Russia.

<https://www.tehrantimes.com/news/478767/U-S-slaps-fresh-sanctions-on-certain-Iranian-companies>

Iran warns IAEA resolution will have 'adverse effects' on resolving remaining issues

Tehran Times, November 18, 2022

The International Atomic Energy Agency (IAEA) Board of Governors passed a resolution against Iran on Thursday, a move that drew strong opposition from Iran's envoy to the IAEA who described it as unconstructive and politically motivated. The resolution criticized Iran for what it claimed Tehran's lack of cooperation with the UN nuclear body. The resolution was drafted and submitted to the IAEA board by the U.S. and its three European allies – Britain, France and Germany. "The Islamic Republic of Iran strongly condemns the approval of this nonconsensual resolution presented by three European countries and the United States in today's meeting of the Board of Governors as a political, unconstructive and incorrect action and

considers it unacceptable and rejected," Ambassador Mohsen Naziri-Asl said. Iran's ambassador to the Vienna-based IAEA said the architects of resolution have invested on the riots in Iran to increase political pressure on Tehran.

<https://www.tehrantimes.com/news/478777/Iran-warns-IAEA-resolution-will-have-adverse-effects-on-resolving>

Iran to respond to IAEA resolution firmly: Nuclear chief

Islamic Republic News Agency, November 20, 2022

Eslami, who is also deputy president, noted on Sunday that as said before, the issuance of the resolution is clearly an unconstructive measure to put maximum pressure and it will not help the engaged sides to resolve the remaining issues. We had heard from IAEA Director General (Rafael Grossi) that he underlined the resolution would not be helpful for the progress of the issue, the Iranian official argued. Seemingly, the three European countries and the United States are accustomed to utilize different ways of exerting pressure, including the issuance of resolution and sanction, he added, warning that it is completely clear such pressures would bear no fruit.

<https://en.irna.ir/news/84948108/Iran-to-respond-to-IAEA-resolution-firmly-Nuclear-chief>

Iran didn't provide Russia with drones for use in Ukraine: envoy

Tehran Times, November 20, 2022

Iran's Ambassador to Vienna and Slovakia, Abbas Bagherpour Ardekani, has once again reiterated Iran's position on the Ukraine war, saying that Tehran has not provided Moscow with weapons for use in Ukraine. "We are not a party to the Ukraine conflict, and we are not providing arms to the parties. Like many other countries, we have cooperation with Russia in various fields and away from the Ukraine situation. This is neither new nor

hidden. Nevertheless, we have not provided the Russians with weapons or drones to be used in the Ukraine war," Ardekani said in an interview with Pravda Slovak newspaper. He added, "In the phone call last week between the Minister of Foreign Affairs of the Islamic Republic of Iran and his Ukrainian counterpart we again presented our proposal to hold a technical meeting between the Iranian and Ukrainian experts to look into the alleged documents, and we are still working on it to hold this meeting. This proposal has already been on agenda and even at one point an agreement was made between Iran and Ukraine to hold this technical meeting in Poland and the Iranian technical team went there. But, at the last minute, the Ukrainian side did not show up due to foreign pressure."

<https://www.tehrantimes.com/news/478891/Iran-didn-t-provide-Russia-with-drones-for-use-in-Ukraine-embassy>

U.S. set to send unmanned warships to Persian Gulf amid Iran stark warnings

Tehran Times, November 20, 2022

Despite severe warnings from Tehran against foreign military presence in the Persian Gulf, the chief of United States Central Command (CENTCOM) has said a U.S.-led task force would deploy over 100 unmanned vessels in the vital waterways of the Persian Gulf. The deployment, according to General Michael Kurilla, would be finished by the end of the next year and is intended to fend off marine threats. Kurilla, who was sanctioned by the Islamic Republic last month for supporting terrorism and inciting violence against the Iranian people during the recent riots, said, "By this time next year, Task Force 59 will bring together a fleet of over 100 unmanned surface and subsurface vessels operating together, communicating together and providing maritime domain awareness."

<https://www.tehrantimes.com/news/478882/U-S-set-to-send-unmanned-warships-to-Persian-Gulf-amid-Iran>

Iran initiates new round of drone-missile attack on separatist

Islamic Republic News Agency, November 21, 2022

The Public Relations Department of the IRGC Ground Forces issued a statement on Monday, declaring that the new round of attacks by the Hamza Seyed al-Shohada Camp in northwestern Iran has been kicked off in order to destroy remaining headquarters and centers of the anti-Iran separatists in Iraq's Kurdistan region. The centers, which have been used for hatching plots and training terrorists, are being stricken from early morning, the statement mentioned. Regions of Jazhntan, Zaragoza and Koi Sanjaq, which are located in the Iraqi Kurdistan or Southern Kurdistan, were pounded in the drone and missile attack and the IRGC inflicted a heavy blow on terrorists in the areas.

<https://en.irna.ir/news/84949181/Iran-initiates-new-round-of-drone-missile-attack-on-separatist>

IAEA's Grossi dismisses allegations Iran has nuclear weapons program

Tehran Times, November 21, 2022

IAEA Director General Rafael Grossi said on Sunday that there is no evidence that Iran's nuclear activities have been diverted to a weapons program. Speaking with U.S.-based feature program "60 Minutes" broadcast on the CBS television, Grossi said that the IAEA does not believe the moment has come to recognize Iran as a nuclear power or to have any evidence suggesting that Iran is actively working on a nuclear weapons program. When asked how near he believed Tehran was to developing a nuclear weapon, Grossi said, "Iran already has a sufficient supply of enriched uranium at its present rate of production to build several weapons, should they so choose. However, we don't currently have any information that would suggest that Iran has a nuclear weapons program." When asked if Iran had crossed a line and if it was time to recognize it as a

nuclear power, he responded, “No, we haven’t reached that stage.” “But in order to avoid getting there, we must work really hard,” he added.

<https://www.tehrantimes.com/news/478919/IAEA-s-Grossi-dismisses-allegations-Iran-has-nuclear-weapons>

Before firing missile, Iraq had been warned

Tehran Times, November 21, 2022

Iran has started a fresh round of shelling the Iranian Kurdish separatist groups based in Iraqi Kurdistan after asking the Iraqi central government and the local one in the autonomous Kurdistan region about disarming and expelling the groups. The Islamic Revolution Guards Corps (IRGC) Ground Force announced in a short statement Monday that it resumed pummeling the bases of the separatist groups in Iraqi Kurdistan with missiles and drones. The statement said the targeted bases were used for training and organizing terrorist separatist groups in the northern region of Iraq. It also said the groups are the mercenaries of Global Arrogance, a reference to the Western great powers. According to the statement, several bases in various regions have been hit, and “heavy havoc” was wreaked.

<https://www.tehrantimes.com/news/478930/Before-firing-missile-Iraq-had-been-warned>

Iran censures politically-driven IAEA board resolution adopted under US-E3 pressure

Tehran Times, November 21, 2022

Nasser Kanaani, a spokesman for the Iranian Ministry of Foreign Affairs, said on Monday that the U.S. and three European nations -France, Germany and Britain also known as E3 - put political pressure on the IAEA Board of Governors to adopt resolution against Iran. On Thursday, the Board of Governors of the United Nations Atomic Energy Agency endorsed an anti-Iran resolution sponsored by the United States, United Kingdom, France, and

Germany, which Tehran dismissed as political pressure. The 35-member board approved the resolution with 26 votes in favor, five abstentions, and two absent. China and Russia voted against the resolution. “Iran’s response is appropriate given the IAEA Board Governor’s most recent decision. A resolution that unfortunately was accepted due to the political approach taken by the U.S. administration and three European nations, who really put the Board of Governors under political pressure,” Kanaani told a regular news briefing.

<https://www.tehrantimes.com/news/478927/Iran-censures-politically-driven-IAEA-board-resolution-adopted>

Iran rejects Washington Post claim on drone deal with Russia, says in talks with Ukraine

Press Tv, November 22, 2022

Iran has rejected a report on an agreement between Tehran and Moscow to assemble Iranian-designed drones on Russian soil for the Ukraine war, saying the Islamic Republic has had and will have defense cooperation with Ukraine. In a report on Saturday, *The Washington Post* claimed that Moscow has quietly reached Tehran to begin manufacturing hundreds of unmanned weaponized aircraft on Russian soil. The report quoted three officials familiar with the matter as claiming that Russian and Iranian officials “finalized the deal” during a meeting in Iran in early November, and the two countries are moving rapidly to transfer designs and key components that could allow production to begin within months. In response to the allegations, the Iranian mission to the UN said important steps have been taken so far in joint interaction between the Iranian and Ukrainian defense experts, and this cooperation will continue until any misunderstanding in this regard is cleared.

<https://www.pressto.ir/Detail/2022/11/22/693168/Iran-rejects-Washington-Post-claim-drone-deal-Russia>

60 percent enrichment at Fordow; Iran responds to IAEA

Tehran Times, November 22, 2022

In its first practical response to the recent resolution adopted by the UN nuclear watchdog's Board of Governors, Iran started spinning more advanced centrifuges at a nuclear plant that has long been in the crosshairs of the West. On Monday, Iranian Foreign Ministry spokesman Nasser Kanaani reacted to the recent resolution passed by the International Atomic Energy Agency's Board of Governors and Iran's response to it. The resolution, put forth by the United States and the E3 countries - Germany, France and the UK -, demanded that Iran answer the questions raised by the IAEA regarding the alleged nuclear material found at three sites. Despite Iran answering the questions and offering further cooperation with the UN nuclear watchdog, the U.S. and its European allies moved ahead with the resolution, which Kanaani said was tabled with "political aims."

<https://www.tehrantimes.com/news/478971/60-percent-enrichment-at-Fordow-Iran-responds-to-IAEA>

Iranian Navy to unveil maritime combat helicopters

Tehran Times, November 23, 2022

The chief commander of the Navy announced on Tuesday that Iran will unveil for the first time a new type of combat helicopter and navy drones with a range of 2000 km. Rear Admiral Shahram Irani said the Iranian Navy has achieved various achievements in terms of manufacturing equipment. He said these achievements include a new combat maritime helicopter and a maritime drone with a flight range of 2,000 km. The commander made the remarks during a press conference held on the occasion of Navy Day. Irani also said the Navy will hold a hybrid drill in the Sea of Oman and the Indian Ocean in the coming days. Commenting on the U.S. dispatching of dozens of unmanned surface vessels (USVs) to the Persian Gulf, Irani said, "These unmanned surface vessels have

endangered the safety of navigation. And we had gathered these vessels in the past.

<https://www.tehrantimes.com/news/478972/Iranian-Navy-to-unveil-maritime-combat-helicopters>

Iranian, Ukrainian specialists meet to clear up drone ambiguities

Tehran Times, November 23, 2022

Defense experts from Iran and Ukraine have convened to clear up any misunderstandings over the deployment of Iranian-made drones in the Ukraine conflict. According to a European website, Oleg Nikolenko, the spokesman for the Ukrainian Foreign Ministry, on Tuesday confirmed such a meeting when speaking to the American news network CNN. Nikolenko refrained from giving further details on the outcome of the conversation. The conversation of "experts" mentioned by Nikolenko takes place in a context in which the Iranian representation to the United Nations has already requested a meeting with its Ukrainian counterpart "to assess such accusations". U.S. authorities have claimed Russia received drones from Iran for use in the conflict in Ukraine. A spokesperson for the Iranian Mission to the UN had previously told CNN that it had requested a "joint expert meeting" to consider the allegations.

<https://www.tehrantimes.com/news/479010/Iranian-Ukrainian-specialists-meet-to-clear-up-drone-ambiguities>

Iran says IAEA declares dairy farm as nuclear site

Tehran Times, November 23, 2022

Head of the Atomic Energy Organization of Iran (AEOI) has stressed that the IAEA's standards and regulations form the foundation for the new steps taken by Iran at the Fordow and Natanz nuclear sites. Speaking to reporters after a cabinet meeting on Wednesday, Mohammad Eslami stated that political pressure and acts that demonstrate a disregard for dialogue would undoubtedly be met with retaliation. Eslami also said that the AEOI

had built new capacities in the Fordow and Natanz sites in accordance with the implementation of the parliamentary ratification to guard the rights of the Iranian nation. Eslami spoke one day after the AEOI injected gas into new chains of new generation of centrifuges at the Natanz nuclear site and increased the level of nuclear enrichment at the Fordow site from 20 percent to 60 percent.

<https://www.tehrantimes.com/news/479006/Iran-says-IAEA-declares-dairy-farm-as-nuclear-site>

Iranian Army Receives First Smart Air Defense System

Defaiya, November 24, 2022

Iranian Army Ground Force Commander Brigadier General Kioumars Heidari confirmed the handover of the first sophisticated and Smart Air Defense System to his forces. Heidari made the remarks in an exclusive interview with Fars News Agency (FNA) earlier this week, stressing that it is absolutely essential that the ground force units acquire state-of-the-art armaments in order to enhance their efficiency and be capable of responding to present-day operational needs. The modern system was developed and manufactured by the country's military experts and technicians. He went on to highlight that the Iranian Army's Ground Force has already submitted three grandiose plans, dubbed Labbaik (Allegiance) 1, 2 and 3, to the Commander-in-Chief of the Iranian Armed Forces Ayatollah Seyed Ali Khamenei. The first plan, called Labbaik 1, is aimed at redesigning the structure and mobilization of the armed forces, and enabling them to impose their military might on the enemy in close-range ground battles.

<https://www.defaiya.com/news/Defense%20News/Asia/2022/11/24/iranian-army-receives-first-smart-air-defense-system>

Iran, India hold political consultations

Tehran Times, November 25, 2022

The deputy foreign ministers of Iran and India held political consultations in New

Delhi on Thursday, according to a statement by the Iranian foreign ministry. The meeting was attended by Iranian Deputy Foreign Minister for Political Affairs Ali Bagheri Kani and his Indian counterpart, Vinay Mohan Kwatra. In the meeting, the most important issues of national interest in bilateral, regional and international arenas were discussed, the statement said. The parties shared views on ways to develop political relations, including exchanging high-level delegations, future meeting of the joint commission of economic cooperation and business council to improve the level of trade ties as well as Indian investment in Chabahar.

<https://www.tehrantimes.com/news/479041/Iran-India-hold-political-consultations>

Germany was 'main provider' of chemical arms to Saddam, Iran says

Tehran Times, November 26, 2022

Iran has strongly reacted to the United Nations Human Rights Council (UNHRC) that voted on Thursday for a resolution to create an independent fact-finding mission to investigate alleged human rights abuses in Iran, particularly against women and children. The resolution backed by 25 countries, including the United States and some European, Latin American, Asian and African nations, was put forward by Germany and Iceland. However, six countries - China, Pakistan, Cuba, Eritrea, Venezuela and Armenia opposed the move. 16 others abstained. Khadijeh Karimi, deputy of Iran's vice president for Women and Family Affairs, criticized the Western effort as part of a "politically motivated move of Germany to distort the situation of human rights in Iran."

<https://www.tehrantimes.com/news/479047/Germany-was-main-provider-of-chemical-arms-to-Saddam-Iran>

60% enrichment a response to IAEA resolution: Iranian MP

Tehran Times, November 27, 2022

A senior Iranian lawmaker has lambasted the censure resolution against Iran by the

UN nuclear watchdog's Board of Governors as "political," saying that Iran's uranium enrichment to up to 60 percent was a response to that resolution. Alireza Salimi, who is a member of the Parliament's presiding board, said Iran's move to enrich uranium up to this purity was a "proper response" to the resolution adopted by the board. "This resolution is completely political and lacks technical value," Salimi said in remarks to Iran's state news agency IRNA. "The proponents of this resolution seek to advance their political goals and objectives through international organizations, including the International Atomic Energy Agency." He added, "The 60% enrichment of uranium by the Islamic Republic of Iran was a proper response to the resolution of the Board of Governors of the International Atomic Energy Agency. They should receive the answer that our position towards them is one of authority, not passivity."

<https://www.tehrantimes.com/news/479122/60-enrichment-a-response-to-IAEA-resolution-Iranian-MP>

Unrest fails to impact Iran nuclear redlines

Tehran Times, November 28, 2022

Iranian officials have reiterated Tehran's adherence to the redlines on many policy issues amid unconfirmed news about some Western inkling of Iranian leniency on some of those issues due to the unrest in the country. The wave of unrest that engulfed Iran in the past two months appears to have impacted the approach of many Western countries toward the Islamic Republic of Iran. Some of the harshest criticism of Iran came from European countries that have long been advocating diplomacy with Iran, especially in relation to the 2015 Iran nuclear deal, officially known as the Joint Comprehensive Plan of Action (JCPOA), whose fate is now in doubt.

<https://www.tehrantimes.com/news/479163/Unrest-fails-to-impact-Iran-nuclear-redlines>

Germany had vital role in arming Saddam with chemical bombs: Foreign Ministry

Tehran Times, November 28, 2022

Germany played an undeniable role in assisting Saddam Hussein by supplying the Iraqi despot with chemical weapons in the 1980s who inflicted irreparable damages on Iranian citizens and military forces, Iranian Foreign Ministry spokesman Nasser Kanaani said on Monday. To highlight Germany's supply of chemical weapons to the Iraqi dictator during his eight-year war against Iran, Kanaani made an appearance showing a chemical mask to reporters. "For Iranian civilians and members of our military forces, this frightening mask brings back memories. I was on the battlefronts during the Sacred Defense when I was a 16-17-year-old youngster. We carried this mask, which has a spooky aspect, in various locations, even behind the front," he told reporters.

<https://www.tehrantimes.com/news/479161/Germany-had-vital-role-in-arming-Saddam-with-chemical-bombs>

German, US companies should be brought to justice: Deputy FM

Mehr News Agency, November 28, 2022

Iran's Deputy Foreign Minister for Legal and International Affairs Reza Najafi said that German and American companies equipping ex-Iraqi dictator Saddam Hussein with the chemical weapons must be brought to justice. Speaking at the 27th edition of Conference of Member States of the Convention on the Prohibition of the Development, Production, Stockpiling and Use of Chemical Weapons in the Hague, Najafi said that Islamic Republic of Iran, as the biggest victim of the systematic use of chemical weapons in the contemporary world, neither forgives nor forgets the perpetrators and supporters of this heinous crime. During the Iraqi imposed war against Iran (1980-1988), German and

American companies equipped former deposed Iraqi dictator Saddam's regime with equipment and chemical weapons, and these countries are complicit in Saddam's crimes committed against Iranian nation.

<https://en.mehrnews.com/news/194227/German-US-companies-should-be-brought-to-justice-Deputy-FM>

Iran's supersonic missiles render enemy defenses inoperable for decades: IRGC general

Tehran Times, November 29, 2022

The most recent supersonic missiles developed by Iran, according to a senior commander of the Islamic Revolution Guards Corps (IRGC), can disable an adversary's missile defense system for a very long time. Brigadier General Amir Ali Hajizadeh, commander of the IRGC Aerospace Force, made the declaration on Monday while seeing a display of the force's accomplishments. "The Guards' Aerospace Force has managed to achieve a remarkably high level of deterrence in the area of missile, drone, air defense, aircraft, radar and space industries. Its latest supersonic missile achievement is capable of disabling missile defense shields of the enemies of Iran, including the United States, the Zionist regime and their proxy governments, for many decades," the commander remarked.

<https://www.tehrantimes.com/news/479179/Iran-s-supersonic-missiles-render-enemy-defenses-inoperable-for>

Q. Israel

Israel, US point at Iran after 'projectile' hits tanker off Oman

TRT World, November 16, 2022

Israel and the United States have blamed Iran after what they said was a drone strike against a tanker operated by an Israeli-owned firm carrying gas oil off the coast of Oman. Tehran didn't immediately comment on the allegations. The Pacific Zircon was "hit by a projectile approximately 150 miles off the coast of Oman" on Tuesday, Singapore-based firm Eastern Pacific

Shipping, which operates the vessel, said in a statement, adding that there were no reports of casualties or any leakage of the cargo. "There is some minor damage to the vessel's hull but no spillage of cargo or water ingress," said the company which is owned by Israeli billionaire Idan Ofer — one of two sons of shipping magnate Sammy Ofer, who died in 2011. The tanker was carrying 42,000 tonnes of gas oil and bound for Buenos Aires, according to Samir Madani, co-founder of the website TankerTrackers.com, an oil shipping online research firm.

<https://www.trtworld.com/middle-east/israel-us-point-at-iran-after-projectile-hits-tanker-off-oman-62612>

Readout of U.S.-Israel Defense Policy Advisory Group

US Department of Defense, November 17, 2022

Pentagon Spokesman Lt. Col. David Herndon provided the following readout: Under Secretary of Defense for Policy Dr. Colin Kahl led a senior-level delegation to Israel for the annual Defense Policy Advisory Group (DPAG) on November 17 with Israel's co-chair Ministry of Defense Director General (DG) Amir Eshel. The dialogue reaffirmed the enduring partnership between the United States and Israel, and the U.S. commitment to ensuring Israel's Qualitative Military Edge. The leaders discussed the wide range of threats posed by Iran's nuclear program, Iranian support for terrorism and regional aggression, and steps to advance cooperation to address these threats. Under Secretary Kahl and DG Eshel also led discussions on expanding Israel's bilateral and multilateral relationships in the Middle East, and opportunities to further integrate Israel into U.S. Central Command. Other sessions of the dialogue focused on defense acquisition, emerging technology and capabilities, and increasing collaboration on climate resiliency and space.

<https://www.defense.gov/News/Releases/Release/Article/3222185/readout-of-us-israel-defense-policy-advisory-group/>

Israel thinks Iran 2 years from being able to detonate nuke - exclusive

The Jerusalem Post, November 17, 2022

Top Israeli sources confirmed to The Jerusalem Post what has only been hinted at until now, that Jerusalem is banking on a mix of global pressure and a two-year breakout time it believes Iran would need to master nuclear weapon detonation and delivery, which means that a large-scale attack on Iranian nuclear facilities is not likely in the cards, even to prevent Tehran from crossing the threshold of 90% weaponized uranium enrichment. Nuclear detonation refers to a specialized process required to achieve an atomic bomb detonation which differs from standard explosives, while nuclear delivery refers to unusual adaptations needed to be made to a ballistic missile for it to carry a nuclear warhead. The Islamic Republic has been enriching uranium to the very high 60% level since April 2021 and had enough low-enriched uranium for a nuclear weapon, if enriched to higher levels, as early as March 2020.

<https://www.jpost.com/middle-east/iran-news/article-722597>

Ukraine's full-circle on Iron Dome air defence may pan out with new Israeli PM

Army Technology, November 18, 2022

Ukrainian President Volodymyr Zelensky once more asked for the provision of the Israeli Iron Dome air defence system during a press conference on 16 November, with Benjamin Netanyahu, Israel's recently elected Prime Minister-designate, stating that he would consider the proposition. As early as 15 February, in advance of the Russian invasion of Ukraine, Israeli daily newspaper *Yedioth Ahronoth* was reporting that Ukraine had unsuccessfully sought the Iron Dome system which has been responsible for intercepting over 90% of the 4,000 rockets and missiles fired at Israel during recent operations in the region. But by mid-July, Ukraine's Defence Minister Oleksii Reznikov described a turn in

Ukraine's view of the defence system: "Iron Dome was built [for protection] against slow, low-altitude, low-impact missiles that were basically made in garages. Iron Dome does not protect against cruise and ballistic missiles," said Reznikov, speaking at a Forbes summit.

<https://www.army-technology.com/news/ukraines-full-circle-on-iron-dome-air-defence-may-pan-out-with-netanyahu/>

IDF chief presses US to step up joint plans to counter Iran militarily

The Times of Israel, November 22, 2022

Israel Defense Forces chief Aviv Kohavi told American defense officials in Washington that the two militaries must accelerate joint plans for offensive actions against Iran, the Israeli military said Tuesday. Kohavi landed in the US on Sunday morning for five days of meetings with senior officials focused on the Iranian threat, the IDF said. On Monday, Kohavi met with Chairman of the US Joint Chiefs of Staff Mark Milley, US National Security Adviser Jake Sullivan, and CIA Director William Burns. He also met with the Israel Ambassador to the US Michael Herzog. "During the discussions, it was agreed that we are at a critical point in time that requires the acceleration of operational plans and cooperation against Iran and its terrorist proxies in the region," Kohavi said in remarks provided by the IDF Tuesday.

<https://www.timesofisrael.com/idf-chief-presses-us-to-step-up-joint-plans-to-counter-iran-militarily/>

Striking From Chabahar, Iran Launched Shahed-136 UAV To Strike Israeli Tanker, US Navy Investigation Report

The Eurasian Times, November 23, 2022

The drone strike on the oil tanker Pacific Zircon occurred on November 15 off the coast of Oman. The incident looks like part of a protracted shadow war between Israel and its arch-enemy Iran, which has also seen Iran attacking Israel-affiliated

ships in crucial Mideast waterways. The recent incident, which damaged the ship but left no one hurt, was reportedly carried out from a base of the Islamic Revolutionary Guard Corps in the city of Chabahar in southeast Iran, according to Western and Israeli officials. The US Navy said that explosives specialists entered the ship to inspect the damage, which included a 30-inch (76-centimeter) hole punched in its side, and to gather debris and bomb remnants. The evidence was brought to a lab in the Gulf Arab nation of Bahrain, home to the US Fifth Fleet's headquarters.

<https://eurasianimes.com/chabahar-iran-launched-shahed-136-uav-to-hit-israeli/>

Israel's National Drone Initiative enters second phase

Israel Defense, November 24, 2022

Following the previous pilot program (2020-2022), which successfully met all pre-defined metrics, starting January, a number of companies will participate in one week of flights across the country every month for the next two years – 24 trials in total. The demonstrations will take place nationwide under managed airspace. The drones will carry heavier loads, including some that in the future will be capable of human transportation. This pilot will be carried out in cooperation with the Civil Aviation Authority of Israel (CAAI), the Israeli Air Force, Israel Airports Authority (IAA), and other relevant regulatory entities. Israel's national drone initiative is introducing concepts that have never before been fielded, breaking new ground internationally.

<https://www.israeldefense.co.il/en/node/56421>

Iran nuclear program must be destroyed, says Israeli nuclear physicist

Dr Rafael Ofek

Israel Defense, November 27, 2022

Allow me to take the liberty of starting this essay with writing a few things about myself, in order to point out that what I will present later on is based on many years of knowledge and experience. I would like to

mention, that my background includes, among other things, nearly thirty years of service in the Israeli intelligence community – in the IDF Intelligence Division as well as the Prime Minister's Office. I was trained for this service following the scientific-technical background in physics and nuclear engineering that I had acquired at the Bar-Ilan and the Ben-Gurion universities. Between 1976-1981 I served as the technical intelligence officer of the nuclear reactor that France had set up in Iraq. I worked on intelligence gathering and was also a partner to the countermeasure plans, including at the time the reactor was destroyed by the Israeli Air Force, on July 7th, 1981.

<https://www.israeldefense.co.il/en/node/56435>

Israel, US to hold air drill simulating striking Iran nuclear program

The Jerusalem Post, November 28, 2022

The Israel Air Force this week will hold one of its largest drills in years with the United States Air Force simulating offensive strikes against Iran's nuclear program. The drill will take place from Tuesday until Thursday over the Mediterranean Sea and Israel. It will include long-range flights such as those that Israeli pilots might need to make in order to reach the Islamic Republic. The exercise will include refuelers as well as fighter jets from both forces.

<https://www.jpost.com/middle-east/article-723558>

Israel Believes Chance of New Iran Nuclear Deal 'Near-zero' Due to Russia Aid

Haaretz, November 28, 2022

The growing closeness between Iran and Russia dramatically undermines the likelihood of a deal being signed with Tehran – and potentially strengthens the Islamic Republic's offensive capabilities. Israel is increasingly concerned that Iran will gain knowhow and experience from

its cooperation with Russia in the war on Ukraine that will improve its abilities to attack targets in the Middle East.

<https://www.haaretz.com/world-news/2022-11-28/ty-article/.premium/israel-fears-russian-cooperation-will-strengthen-iran/00000184-baac-d05a-a3b4-fbece3790000>

Report: Senior Ukraine defense ministry mission visited Israel

The Times of Israel, November 28, 2022

A senior Ukrainian military delegation visited Israel last week in a bid to secure defense assistance, Channel 13 reports. The report says that the delegation included the Ukrainian deputy chief of staff, with the group holding several meetings with IDF and defense ministry officials. The delegation reportedly sought to push ahead with creating a missile alert system, which Israel has promised to build for Ukraine. The delegation also pushed Israel to supply weapons systems, which Israel has so far refused to do, sending only humanitarian aid and protective equipment. Though it has sent repeated shipments of humanitarian aid to Ukraine, Israel has consistently rebuffed Kyiv's requests for defense weapons, specifically missile defense systems that could be used to fend off Russian airstrikes, despite expressing sympathy for the country's plight.

https://www.timesofisrael.com/liveblog_entry/report-senior-ukraine-defense-ministry-mission-visited-israel/

How Israel is preparing the next generation of cyber soldiers

Défense News, November 29, 2022

Israel's new cyber defense training school is set inside a high-tech park in the southern city of Beersheba. Opened in August, the modern campus is part of the J6 and Cyber Defense Directorate, and it's part of a broader move by the Israel Defense Forces to shift units south. Defense News spoke with three senior officers at the training center to discuss their goals and how cyberspace is changing how Israel's military functions. Capt. Noa Givner, who leads the

school's department of data science, has served with the IDF for seven years; Maj. Noam Bright, head of the department of computer science, has served for 12 years; and Maj. I, chief of the department of cybersecurity, has served for 10 years.

<https://www.defensenews.com/interviews/2022/11/29/how-israel-is-preparing-the-next-generation-of-cyber-soldiers/>

Israeli parts found in Iranian drones used by Russia - WSJ

The Jerusalem Post, November 29, 2022

Israeli-made infrared lenses, along with over 200 other components from the US, Europe and other allied nations, have been found in Iranian drones used by Russia in its invasion of Ukraine, *The Wall Street Journal* reported on Wednesday. About three-quarters of the components of the drones were American-made, according to Ukrainian documents shown to *WSJ* by the Kyiv-based nonprofit Independent Anti-Corruption Commission (NAKO). Ukrainian investigators made the discovery while examining downed Iranian-made drones, including a Mohajer-6 which was hacked mid-flight and landed intact. Out of over 200 technical components in the captured Mohajer-6, about half were made by US-based firms and about a third were made by companies in Japan. The servomotors in the drone were made by Japan's Tonegawa-Seiko Co. according to the report.

<https://www.jpost.com/international/article-722571>

If China increases nuke arsenal to 1,500, what does it mean for Israel? - analysis

The Jerusalem Post, November 30, 2022

For decades, the world has had two premier nuclear powers: the US and Russia. Combined, they have consistently possessed around 90% of the world's nuclear weapons. A US Pentagon report issued on Tuesday indicated that China is on the verge of drastically

changing that picture. Besides the security implications for Washington, what impact might this have on the nuclear standoff with Iran, including for Israel? First, it is important to understand the broader picture.

Depending on your estimate and how you count, the US and Russia each have around 5,400 or 5,900 nuclear weapons, respectively, of which around 1,600 for each country are deployed (as opposed to stockpiled or intact-retired).

<https://www.jpost.com/international/article-723763>

The Israel-India partnership has incredible potential: HE Naor Gilon to ETILC CXOs

The Economic Times, November 30, 2022

The relationship between India and Israel is deep and steady and 2022 marks 30 years of bilateral ties between the two countries. While this is certainly helped by the friendship between PM Narendra Modi and prime minister-designate Benjamin Netanyahu, it is not dependent on it. Merchandise trade, engagement in defense equipment, cultural exchange - there's been tremendous progress on all fronts. There are further plans to identify joint areas that will address large-scale water solutions in water-scarce regions of India. Many of these efforts are being supported by the Ambassador of Israel to India, H. E. Naor Gilon. In fact, apart from his diplomatic duties, the Ambassador makes a special effort to connect entrepreneurs between the two countries. The ambassador interacted with The Economic Times India Leadership Council (ETILC) in Delhi, outlining his vision and facilitating genuine partnerships with Israeli entrepreneurs.

<https://economictimes.indiatimes.com/news/india/the-israel-india-partnership-has-incredible-potential-he-naor-gilon-to-etilc-cxos/articleshow/95881738.cms>

WATCH: Israeli Navy vessels gain ability to intercept cruise missiles in landmark test

The Jerusalem Post, November 30, 2022

A long-range interceptor (LRAD) launched from an Israeli naval vessel for the first time successfully detected and intercepted a target that resembled an advanced cruise missile, the IDF and Defense Ministry announced on Wednesday morning. The successful operation of the LRAD, launched with a Barak Magen air defense system from a Sa'ar 6-class corvette, represents a major milestone for a system that according to the Israeli defense services would constitute a central pillar to defending assets in Israeli economic waters. "The demonstration of the capability and the success of the trial of the Barak Magen system is a significant milestone in the process of carrying out the defense ships, and is a significant addition to the basket of capabilities of the naval arm in realizing the defense of the strategic maritime sites belonging to the State of Israel," said naval equipment division head Lt. Col. Ariel Shir. "The Barak Magen system in general, and the LRAD interceptors in particular, allow the defense ships improved detection and interception capabilities, at significantly greater ranges and against the range of air threats.

<https://www.jpost.com/breaking-news/article-723703>

R. Syria

Mikdad arrives in New Delhi on an official visit

Syrian Arab News Agency, November 17, 2022

Foreign and Expatriates Minister, Fayssal Mikdad, arrived Thursday evening in the Indian capital, New Delhi, on an official visit. Mikdad will meet with Subrahmanyam Jaishankar, Indian External Affairs Minister, and a number

of senior officials there. The visit is aimed at strengthening political and economic relations besides discussing bilateral issues, and the latest political developments. Upon their arrival at the airport in New Delhi, Minister Mikdad and his accompanying delegation were received by Ambassador Pradeep Singh Rajpurohit and Dr Bassam Alkhatib, Syria's Ambassador to India.

<https://sana.sy/en/?p=290503>

Mikdad meets Vice President of India, talks deal with latest developments

Syrian Arab News Agency, November 18, 2022

Indian Vice President Jagdeep Dankhar discussed with Foreign and expatriate Minister, Faysal Mikdad, the latest developments in the region and the historical relations between Syria and India.

During the meeting, Dankhar asked Mr. Mikdad to convey greetings of his country and the Indian leadership to President Bashar al-Assad, stressing their adherence to the historical relations that connect the two countries. Dankhar stressed that India has maintained its stance in support of Syria in the most difficult times. He referred to the progress of the Indian economic experience, showing readiness to cooperate with Syria in the technical domains.

<https://sana.sy/en/?p=290524>

Khaddour: Israel's nuclear weapons threaten region's stability

Syrian Arab News Agency, November 18, 2022

Syria's permanent representative to the United Nations and other international organizations in Vienna, Ambassador Hassan Khaddour said that the security and stability of the region and the world will continue to be threatened if "Israel" remains outside the Treaty on the Non-Proliferation of Nuclear Weapons. Delivering a speech at the International Atomic Energy Agency (IAEA) Board of Governors Meeting, November 2022, Ambassador Khaddour

explained the fact that Israeli occupation entity is outside the framework of the Comprehensive Safeguards Agreement and the Nuclear Non-Proliferation Treaty, and its rejection of all initiatives to establish a zone free of nuclear weapons and weapons of mass destruction represents a threat to the security and stability in the Middle East region. The Ambassador noted that the Israeli aggression in September 2007 on a region in Deir Ezzor was used as a platform to attack Syria, distort its image and put pressure on it instead of being condemned because it represents a flagrant violation of international law.

<https://sana.sy/en/?p=290564>

Mikdad, Jaishankar discuss cooperation, war on terror

Syrian Arab News Agency, November 19, 2022

Foreign and Expatriates Minister, Fayssal Mikdad, discussed Saturday with his Indian counterpart, Subrahmanyam Jaishankar, bilateral relations and the latest developments in Syria and the world. During a session of talks held in the Indian capital of New Delhi, Mikdad briefed Jaishankar on the efforts Syria exerts in the war on terror sponsored by external powers, stressing that resilience of the army and people in Syria has contributed to the victory on terrorism. Mikdad referred to the negative impact of the unilateral coercive measures imposed on the Syrian people and their suffering due to the blockade. He called on Indian companies to invest in Syria and help reconstruct what has been destroyed by the war.

<https://sana.sy/en/?p=290596>

Mikdad gives presentation on latest developments in Syria, the region and Syrian-Indian relations

Syrian Arab News Agency, November 20, 2022

Foreign and Expatriates Minister Dr. Faysal Mikdad held a dialogue session

with researchers at the Institute (Manohar Parrikar) for Defense Studies and Analysis (IDSA), in the presence of a large number of military and political experts, academics, diplomatic figures and his accompanying delegation. The session comes within the framework of his visit to the Indian capital, New Delhi. Minister Mikdad gave a presentation on the latest developments in Syria, the region and the world, and the Syrian-Indian relations, pointing out to Syria's achievements in the field of combating terrorism and the dangers posed by the presence of the occupation in some regions and some countries continued support of terrorism and use it to serve their agendas.

<https://sana.sy/en/?p=290701>

S. Turkey

Favorable developments on US' F-16 sale to Türkiye: Erdoğan

Daily Sabah, November 16, 2022

Speaking about Washington's potential sale of F-16 fighter jets to Ankara, President Recep Tayyip Erdoğan on Wednesday said that his U.S. counterpart Joe Biden "said that there had been favorable developments." He was speaking at a press conference on the sidelines of the G-20 Bali Summit in Indonesia. Earlier, speaking on the sidelines of the summit, Biden said that his government will continue to support the potential sale of F-16 fighter jets to Türkiye. Türkiye has been seeking to modernize its existing warplanes to update its air force and sought to buy 40 Lockheed Martin F-16 jets and nearly 80 modernization kits from the U.S. after the purchase of F-35s fell through.

<https://www.dailysabah.com/business/defense/favorable-developments-on-us-f-16-sale-to-turkiye-erdogan>

Turkish defense firms see hundreds of visitors at Pakistan fair

Daily Sabah, November 17, 2022

Hundreds of local and foreign delegates and visitors browsed Turkish companies' stalls on the second day of a major defense fair being held in Pakistan's southern port city

of Karachi on Wednesday. Some 28 of Türkiye's top defense manufacturers are showcasing their military hardware at the four-day fair that began on Tuesday. They include prominent developers STM, Roketson, Meteksan, ASFAD, MKE, Tualcom and others. Nearly 300 international defense manufacturers from 32 countries, along with over 260 delegates from 64 countries, are taking part in the defense exhibition, a leading defense expo in South Asia.

<https://www.dailysabah.com/business/defense/turkish-defense-firms-see-hundreds-of-visitors-at-pakistan-fair>

'Italian PM willing to solve issues on Türkiye's SAMP/T acquisition'

Daily Sabah, November 17, 2022

The problems surrounding Türkiye's possible acquisition of the SAMP/T air defense system aim to be resolved in the near future, President Recep Tayyip Erdoğan said Thursday. Speaking to Turkish journalists on the Indonesian island of Bali, where he just finished attending the G-20 summit, Erdoğan said that in his meeting with new Italian Prime Minister Giorgia Meloni on the sidelines of the summit, Meloni expressed the desire to solve problems. "There are some technical problems left, let's solve them and solve the SAMP/T issue in France, Italy, Türkiye, in a short time," Erdoğan quoted Meloni as saying. The SAMP/T missile defense systems project belongs to the Franco-Italian Eurosam consortium.

<https://www.dailysabah.com/business/defense/italian-pm-willing-to-solve-issues-on-turkiyes-sampt-acquisition>

Türkiye's 1st unmanned fighter jet's maiden flight due after ground tests

Daily Sabah, November 21, 2022

The Turkish pioneering drone maker has announced its unmanned fighter jet had successfully completed ground tests, as the landmark project inches closer to performing its maiden flight in the coming days. Named Kızılelma, the National Unmanned Combat Aerial Vehicle System

(MIUS) completed its first runway run and autonomous taxiing test at an air base in northwestern Tekirdağ province, according to a video shared by its developer Baykar on Sunday. The test was overseen by Baykar's Chief Technology Officer (CTO) Selçuk Bayraktar. The fast drone fighter jet Kızýlelma is said to represent a significant expansion of capabilities for slow-moving reconnaissance and missile-carrying drones.

<https://www.dailysabah.com/business/defense/turkiyes-1st-unmanned-fighter-jets-maiden-flight-due-after-ground-tests>

Türkiye says S-400 defense system ready to use if threatened

Daily Sabah, November 23, 2022

The S-400 missile defense system acquired from Russia is ready for action and will be utilized if Türkiye is threatened, Defense Minister Hulusi Akar said on Wednesday. Speaking to Parliament's planning and budget committee in the capital Ankara, Akar said "the S-400 is in place and ready for use." "If any threats arise, we will decide where and how to use it," Akar added. Answering questions regarding the S-400 long-range defense system, he said: "We do not have a problem with the S-400." Referring to Türkiye's request for long-range regional air defense systems from the U.S., he said "without these, the S-400 procurement took place."

<https://www.dailysabah.com/business/defense/turkiye-says-s-400-defense-system-ready-to-use-if-threatened>

Latest Türkiye-made warship tailored for Pakistan touts strong defense co-op

Daily Sabah, November 25, 2022

President Recep Tayyip Erdoğan on Friday stressed what he said was a strong mutual will between Türkiye and Pakistan to further expand their defense cooperation, as the two countries launched the latest corvette warship tailored for the Pakistan Navy. Erdoğan was accompanied by Pakistani Prime Minister Shahbaz Sharif and other officials during the inauguration ceremony

for PNS Khyber, the third of the four MILGEM corvettes built by Türkiye for Pakistan, at Istanbul Shipyard. "The solidarity between us is strengthening day by day with a strategic perspective decisively based on the history, friendship and potential of the two countries," Erdoğan said. "The defense industry is one of the important pillars of this cooperation."

<https://www.dailysabah.com/business/defense/latest-turkiye-made-warship-tailored-for-pakistan-touts-strong-defense-co-op>

Turkish-built corvettes to add strength to Pakistan's littoral defense: Navy commander

Daily Sabah, November 27, 2022

Turkish-made corvettes tailored for the Pakistan Navy are set to contribute greatly to the defense of the South Asian country, Commander of the Pakistan Navy Adm. Muhammed Amjad Khan Niazi said Sunday. Niazi told Anadolu Agency (AA) in Istanbul, where the third MILGEM (National Ship) corvette's launching ceremony was held, that those vessels will "keep enemies at distance." Expressing that military weakness will bring "aggression," Niazi said: "But power keeps your enemies at a distance. For this reason, MILGEM corvettes will significantly strengthen the Pakistan Navy and defense." Describing MILGEM corvettes as very capable platforms, Niazi pointed out that the ships are equipped with surface-to-surface- and surface-to-air weapon systems.

<https://www.dailysabah.com/business/defense/turkish-built-corvettes-to-add-strength-to-pakistans-littoral-defense-navy-commander>

T. Qatar

US approves sale of counter-drone systems to Qatar in \$1B deal

Daily Sabah, November 30, 2022

The potential sale of counter-drone systems and other equipment to Qatar in a deal worth \$1 billion with the United States

was approved by Washington, the Pentagon said on Tuesday. The principal contractors will be Raytheon Technologies Corp., SRC and Northrop Grumman Corp., the Pentagon said in a statement. It added that the Pentagon's Defense Security Cooperation Agency notified Congress of the possible sale on Tuesday. "The proposed sale will improve Qatar's capability to meet current and future threats by providing electronic and kinetic defeat capabilities against Unmanned Aircraft Systems," the U.S. Defense Security Cooperation Agency (DSCA) said separately in a statement. "The total estimated program cost is \$1 billion. This proposed sale will support the foreign policy and national security objectives of the U.S. by helping to improve the security of a friendly country," it added.

<https://www.dailysabah.com/business/defense/us-approves-sale-of-counter-drone-systems-to-qatar-in-1b-deal>

East Asia

U. Japan

Japan's changing nuclear energy policy

The Japan Times, November 16, 2022

On Aug. 24, at the newly established GX (Green Transformation) Implementation Council chaired by Prime Minister Fumio Kishida, the Japanese government announced a new nuclear energy policy. The framework for this new policy consists of three key points: maximize the use of existing nuclear power plants through an accelerated restart and extension of their operation period; develop and build advanced next-generation reactors; and develop conditions suitable for the use of nuclear energy, including back-end support. The most contentious of these is the second point: the development and construction of advanced next-generation reactors. Since the Fukushima nuclear disaster, previous Japanese government policy has made no mention of building new power plants, so it is being seen as a major policy change. What explains this policy change and is it really feasible?

<https://www.japantimes.co.jp/opinion/2022/11/>

[16/commentary/japan-commentary/japan-nuclear-power/](https://www.world-nuclear-news.org/Articles/IAEA-review-of-Fukushima-water-discharge-progresses)

IAEA review of Fukushima water discharge progresses

World Nuclear News, November 18, 2022

An International Atomic Energy Agency (IAEA) task force has carried out a second mission to Japan to review the country's updated technical plans for the discharge of treated water from the damaged Fukushima Daiichi nuclear power plant into the sea. At the Fukushima Daiichi site, contaminated water - in part used to cool melted nuclear fuel - is treated by the ALPS system, which removes most of the radioactive contamination, with the exception of tritium. This treated water is currently stored in about 1000 tanks on site. The total tank storage capacity amounts to about 1.37 million cubic metres and all the tanks are expected to reach full capacity in mid to late-2023. Japan announced in April 2021 it planned to discharge treated water stored at the Fukushima Daiichi plant into the sea over a period of about 30 years, and asked the IAEA to review its plans against IAEA safety standards.

<https://www.world-nuclear-news.org/Articles/IAEA-review-of-Fukushima-water-discharge-progresses>

Japan nuclear watchdog considering extending reactor life

AP News, November 21, 2022

Japanese nuclear regulators are considering revising a safety evaluation system to allow aging reactors to operate beyond the current 60-year limit, but the move is aimed at preventing safety lapses and is not motivated by government efforts to increase use of nuclear power, an official said Monday. The Nuclear Regulation Authority Commission, at the request of the Economy and Industry Ministry, has drafted a plan to scrap the 60-year limit and replace it with a system of potential extensions granted every 10 years after 30 years of operation. That would be a major change from the current 40-year limit with

a possible one-time extension of up to 20 years, a rule that was adopted under stricter safety standards set after the 2011 Fukushima nuclear power plant disaster.

<https://apnews.com/article/business-japan-nuclear-power-climate-and-environment-government-politics-acf4be6a02e9c300db69d9feaff89837>

Japan sees increase in reliance on renewables and nuclear power

The Japan Times, November 22, 2022

Japan has increased its reliance on renewables and nuclear power as it tries to achieve the goal of net-zero emissions by 2050, the government's report on energy supply and demand in fiscal 2021 showed Tuesday. But carbon dioxide emissions from burning fossil fuels for electricity generation and other purposes rose 1.2% to 980 million tons from the previous year as the economy recovers from the coronavirus pandemic, marking the first emissions increase in eight years, according to the preliminary report by the industry ministry. Renewables accounted for 20.3% of Japan's electricity generation, up 0.5 percentage point from the previous year, while nuclear power accounted for 6.9%, up 3.0 points. The share of thermal power generation excluding biomass decreased 3.5 points to 72.9%, according to the report.

<https://www.japantimes.co.jp/news/2022/11/22/business/economy-business/energy-report/>

Japan and Poland to begin work on high-temperature reactor design

World Nuclear News, November 23, 2022

High-temperature reactors capable of supplying steam of up to 1000°C could replace fossil fuel as heat sources for chemical and petrochemical industries, leading to the decarbonisation of many production processes as well as enabling the economic production of hydrogen. Japan has many years of experience operating the High-Temperature Test Reactor (HTTR), a 30 MWt prototype graphite-moderated helium gas-cooled reactor, and Poland has been working with Japan for several years on the potential implementation of such

technology. NCBJ began work on conceptual design of an HTGR research reactor in 2021. The new agreement between NCBJ and JAEA supplements an earlier agreement by providing for R&D cooperation on the research reactor, which would be built in Poland at the NCBJ. A contract concluded in parallel with the implementing agreement provides for the provision by 2024 of technical information to NCBJ regarding Japanese HTGR R&D, for joint use by the partners.

<https://www.world-nuclear-news.org/Articles/Japan-and-Poland-to-begin-work-on-high-temperature>

Japan holds interceptor drill near nuclear plant amid North Korea threats

The Japan Times, November 29, 2022

The Air Self-Defense Force on Monday conducted a missile interceptor drill near a nuclear plant on the coast facing the Sea of Japan, amid caution over North Korea's repeated ballistic missile test-firings. The nonlive fire exercise involving the ASDF's Patriot Advanced Capability-3 system was held in Fukui Prefecture, which hosts a number of nuclear plants. During the exercise, trucks carrying two interceptor launch pads were set up on a beach 7 kilometers south of Kansai Electric Power's Oi nuclear plant by 35 personnel, who finished their preparations in about 20 minutes. "We need to deploy (the PAC-3 system) smoothly and anywhere," Lt. Col. Takashi Chikama, who commanded the drill, told reporters. "North Korea has launched missiles at an unprecedented pace in recent years."

<https://www.japantimes.co.jp/news/2022/11/29/national/politics-diplomacy/asdf-interceptor-drill/>

'A form of self-destruction': Japan weighs up plan to expand nuclear power

The Guardian, November 30, 2022

Look carefully through the trees, and it is just possible to catch sight of Onagawa

nuclear power plant from its visitors' centre, perched on a hill surrounded by thick woods. The plant's supporters may have had its remote location, on a rugged peninsula in Japan's north-east, in mind when they campaigned to bring nuclear power – and the promise of subsidies – to the town more than 40 years ago. Despite its seclusion, the plant is now in the political spotlight, as Japan prepares to again put its faith in nuclear power, more than a decade after the triple meltdown at Fukushima Daiichi. In a sweeping change to the country's energy policy, the prime minister, Fumio Kishida, has announced plans to build next-generation reactors and restart those left idle after the 2011 triple meltdown, in an attempt to end Japan's dependence on imported fossil fuels and help meet its net zero target by 2050.

<https://www.theguardian.com/world/2022/nov/30/a-form-of-self-destruction-japan-weighs-up-plan-to-expand-nuclear-power>

Turtlenecks and nuclear power return to favour in Japan

Financial Times, November 27, 2022

Winter is coming, and so is the turtleneck: usually snug, often flattering, currently on sale at Uniqlo for ¥2,990 (\$21.50) and, as of last week, a localised Japanese metric of global misery. The garment's unexpected new promoter-in-chief is Yuriko Koike, the Tokyo governor who led the world's biggest metropolis through the pandemic and must now prepare it for at least three frigid and costly months of life in an energy crisis. The authorities had already warned the Japanese capital in early November to turn off unnecessary lighting (which it hasn't done), wrap up warm (which it hasn't yet needed to) and turn down the heating. Wear throat-warming turtlenecks, Koike subsequently recommended with a camera-friendly flourish, to reduce energy use while keeping things "fun and fashionable". Turtlenecks, of course, being far safer and easier to talk about than the thornier matter of restarting the nation's nuclear power plants.

<https://www.ft.com/content/1fb5b3b7-fb63-47bf-8282-9c9632b997a5>

V. North Korea

North Korea fires suspected ICBM into waters off Japan

Financial Times, November 18, 2022

North Korea fired a suspected intercontinental ballistic missile into waters east of the Korean peninsula on Friday morning, a day after Pyongyang warned the US against bolstering its protection of South Korea and Japan. Japanese prime minister Fumio Kishida said the missile was estimated to have landed west of Hokkaido in waters claimed by Tokyo as part of its exclusive economic zone. The launch, described by South Korea's Joint Chiefs of Staff as a likely ICBM, is the latest in an unprecedented barrage of North Korean missiles, amid heightened tensions as the US seeks to assure its east Asian allies of its commitment to their defence. North Korea fired at least 33 missiles and 180 artillery shells in the first week of November alone, as it responded to joint aerial drills held by the US and South Korea.

<https://www.ft.com/content/e6aad9f3-d528-4f15-bee3-298ab20fb2c6>

North Korea fired Hwasong-17 ICBM on November 18 – KCNA

Tass Russian News Agency, November 19, 2022

North Korea fired a Hwasong-17 intercontinental ballistic missile (ICBM) on November 18, and the country's leader Kim Jong-un oversaw the launch, the state-run KCNA news agency reported on Saturday. "The new-type ICBM Hwasongpho-17, launched at the Pyongyang International Airport, traveled up to a maximum altitude of 6,040.9 km and flew a distance of 999.2 km for 4,135s before accurately landing on the preset area in open waters of the East Sea of Korea," the agency said. "Kim Jong Un, general secretary of the Workers' Party of Korea and president of the State Affairs of the DPRK, guided the test-fire on the spot."

<https://tass.com/defense/1539159>

North Korea, vowing to counter threats with nukes, says test was of new ICBM

The Japan Times, November 19, 2022

North Korean leader Kim Jong Un vowed to respond to U.S. nuclear “threats” with his own nuclear weapons, state media said Saturday, after Kim attended the launch of a powerful “new type” of long-range missile with family members a day earlier. Kim lambasted recent joint U.S. military drills with South Korea and Japan, as well as announcements that the U.S. was seeking to strengthen its “extended deterrence” commitment to Tokyo and Seoul, according to the North’s official Korean Central News Agency. Extended deterrence refers to the United States’ readiness to provide South Korea and Japan with all necessary options, both nuclear and conventional, to deter aggression by the North.

<https://www.japantimes.co.jp/news/2022/11/19/asia-pacific/north-korea-icbm-kim-jong-un-daughter/>

As North Korea readies for a nuclear test, does it have a new doctrine?

Bulletin of Atomic Scientists, November 21, 2022

In September, North Korea passed new legislation that marks the most significant update to its nuclear doctrine in a decade. This milestone document outlines 11 articles describing the regime’s “nuclear weapons policy,” including the conditions under which Pyongyang would launch nuclear weapons. Since the legislation was passed, analysts have been pondering its implications for North Korea’s nuclear strategy and how it fits with recent missile tests or the regime’s expected seventh nuclear test. Even though news reports on North Korea’s new nuclear doctrine have highlighted the regime’s willingness to launch nuclear weapons preemptively, the most important update from the legislation is North Korea’s novel articulation of its nuclear command and control system or, in other words, its nuclear decision-making process. The legislation and recent developments together

indicate that Pyongyang is moving toward a more coherent first-use nuclear strategy.

<https://thebulletin.org/2022/11/as-north-korea-readies-for-a-nuclear-test-does-it-have-a-new-doctrine/>

UN Security Council members condemn North Korean missile launch

Al-Jazeera, November 21, 2022

A divided United Nations Security Council has condemned North Korea’s recent launch of an intercontinental ballistic missile but stopped short of issuing a formal statement due to opposition from China and Russia, diplomats said. The United States, Britain, France and India were among 14 nations to “strongly condemn” Friday’s launch. The missile landed about 200km (125 miles) from Japan’s coast and was reported to have the range to reach the US mainland. “This represents a serious escalation and poses an unequivocal threat to international peace and security,” the countries said in a joint statement on Monday after a Security Council meeting. They urged the council to limit the advancement of North Korea’s weapons programmes.

<https://www.aljazeera.com/news/2022/11/21/un-security-council-members-condemn-north-korea-missile-launch>

Kim vows North Korea to have world’s most powerful nuclear force

The Japan Times, November 27, 2022

North Korean leader Kim Jong Un said his country aimed to have the world’s most powerful nuclear force as he celebrated the launch of its newest intercontinental ballistic missile at a ceremony with his young daughter, state media reported Sunday. Kim also handed promotions to more than 100 officials and scientists for their work on the Hwasong-17 — dubbed the “monster missile” by analysts and believed to be capable of reaching the U.S. mainland — just days after Pyongyang test-fired it in one of its most powerful

launches yet. Hailing the new ICBM as “the world’s strongest strategic weapon,” Kim said North Korean scientists had made a “wonderful leap forward in the development of the technology of mounting nuclear warheads on ballistic missiles,” the official Korean Central News Agency (KCNA) reported.

<https://www.japantimes.co.jp/news/2022/11/27/asia-pacific/north-korea-icbm-daughter-powerful-nuclear-arsenal/>

Kim Jong Un Emphasizes Nuclear Development as North Korea’s ‘Ultimate Goal’

The Diplomat, November 28, 2022

Following the successful test of its Hwasong-17 intercontinental ballistic missile (ICBM) on November 18, North Korean leader Kim Jong Un praised the work of those who contributed to the development of the missile, Korea Central News Agency (KCNA), one of the North’s main state-controlled media, reported on Sunday. During a photo session with the contributors, Kim reiterated the importance of developing nuclear weapons as a means to protect North Korea. “It is the truth taught by history that only when we become the strongest, not the weak, in the present world where the strength in showdown just decides victory, can we defend the present and future of the country and nation,” Kim was quoted as saying in the KCNA report.

<https://thediplomat.com/2022/11/kim-jong-un-emphasizes-nuclear-development-as-north-koreas-ultimate-goal/>

W. South Korea

Exclusive: South Korea’s Yoon warns of unprecedented response to North Korea nuclear test, calls on China to do more

Reuters, November 29, 2022

South Korean President Yoon Suk-yeol warned of an unprecedented joint response with allies if North Korea goes ahead with a nuclear test, and urged China to help

dissuade the North from pursuing banned development of nuclear weapons and missiles. In a wide-ranging interview with Reuters on Monday, Yoon called on China, North Korea’s closest ally, to fulfil its responsibilities as a permanent member of the U.N. Security Council. He said not doing so would lead to an influx of military assets to the region. “What is sure is that China has the capability to influence North Korea, and China has the responsibility to engage in the process,” Yoon said in his office. It was up to Beijing to decide whether it would exert that influence for peace and stability, he added.

<https://www.reuters.com/world/asia-pacific/south-koreas-yoon-says-china-can-change-north-koreas-behaviour-if-it-wants-2022-11-28/>

X. New Zealand

New Zealand Defense Minister Visits Ukraine for First Time

Kyiv Post, November 20, 2022

Defense Minister Oleksiy Reznikov held a meeting with his New Zealand counterpart Peeni Henare on Nov. 19. This was reported by Ukraine’s Ministry of Defense. “For the first time in history, the Minister of Defense of New Zealand arrived in Ukraine. Such an important mission was carried out by Minister of Defense Peeni Henare, who met with Minister of Defense of Ukraine Oleksiy Reznikov,” the report reads.

<https://www.kyivpost.com/post/120>

Y. Opinion

The F-16 and Nuclear Security: The Fault Lines in the U.S.-Pakistani Relationship

Sajjan M. Gohel, Marcus Andreopoulos

War on the Rocks, November 16, 2022

The health of America’s bilateral relationship with Pakistan is tethered tightly to American attitudes on the export of its most successful fighter: the F-16. During the Trump administration, the United States denied Islamabad the fighter

over concerns about support for terrorism. The Biden administration reversed course and authorized the sale of military equipment worth \$450 million to Pakistan to enhance the air-to-ground capabilities of the country's current stock of F-16 fighter aircraft. This most recent sale is the latest chapter in a decades-long back and forth between Washington and Islamabad, in which bilateral relations have fluctuated erratically. Across several generations, Pakistan's desire to bolster their supply of F-16s has coincided with Washington's efforts to halt Pakistan's clandestine nuclear proliferation activities, limit the threat of war with India, and manage meddling in Afghanistan during the American occupation.

<https://warontherocks.com/2022/11/f-16s-and-nuclear-security-the-fault-lines-in-the-u-s-pakistan-relationship/>

Contribute Articles

Indian Pugwash Society welcomes research articles from students, researchers and faculties on Space, Missile, nuclear technology, WMD proliferation, arms control, disarmament, export controls and other related issues. Articles should be crisply written and should address contemporary debates in the policy arena. Manuscripts submitted for the consideration of the Indian Pugwash Society should be original contributions and should not have been submitted for consideration anywhere else. For further assistance, please contact us at : indianpugwashsociety@gmail.com

The Indian Pugwash Society aims to promote the study, discussion, and knowledge of and to stimulate general interest in, and to diffuse knowledge in regards to problems relating on WMD proliferation, arms control, disarmament, space security, export controls, nuclear technology and other related issues. This newsletter is part of the project "Emerging Nuclear Order in Asia: Implications for India" sanctioned to us by Department of Atomic Energy-Board of Research in Nuclear Sciences (DAE-BRNS).

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