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A Fortnightly Newsletter from the Indian Pugwash Society

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Convenor

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Executive Council

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Dr. Rajesh Rajagopalan

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Indian Pugwash Society

No.1, Development Enclave,
Rao Tula Ram Marg, Near USI, Delhi-110010
Email: indianpugwashsociety@gmail.com

Tel. No (91-11) 2671-7983

Fax No. (91-11)2615-4192

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- NATO Cannot Exist Without Enemy, Russian Deputy Foreign Minister Says
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- Russian Guardsmen destroy workshop repairing boats for Ukrainian assault force
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- Algerian chief of staff, Russian state arms seller's head discuss defense cooperation
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- Republicans slam Pentagon plan to pull permanent F-15 force from Okinawa: would send wrong signal to China
- China willing to boost global cooperation on nuclear power, Premier Li says
- China calls for restraint in Korean Peninsula as tensions rise amid air drills, missile firing
- US urges China nuclear talks amid concerns over its rising capabilities alongside Russia threat
- Chinese and North Korean threat: Japan weighs hypersonic missile deployment by 2030 to boost deterrence
- PLA Air Force's H-6K bomber with suspected air-launched ballistic missiles arrives at Airshow China site
- US military nuclear chief sounds the alarm about pace of China's nuclear weapons program
- China's Xi warns Putin not to use nuclear arms in Ukraine
- All BDS-3 satellites working well, contributing to top-class navigation system with unique advantages: white paper
- Scholz says Xi agrees nuclear threats over Ukraine are 'irresponsible'
- Rocket debris from Mengtian launch falling on Earth an intl norm, chance of causing harm extremely low: Chinese FM

- Xi urges Ukraine peace talks, warns against nuclear crisis in Eurasia in meeting with Scholz
- New anti-drone defense system to debut at Airshow China, offering smart and effective solutions to unmanned modern warfare
- India prohibits Chinese research vessel from entering economic zone, 'will harm rebuilding of trust': experts
- China's J-20 fighter jet to keep receiving upgrades: designer
- China displays next-generation manned rocket for moon landing at Airshow China; craft projected to be maiden flight-ready by 2027
- Advanced aircraft, menacing missiles - China's top air show sends a warning to the US
- Wuzhen summit kicks off with glaring tech display and focus on building a community with a shared future in cyberspace
- Taiwan rallies drone makers to prepare military for China threat
- US hypocritical to worry about nuclear war while fueling proliferation
- China displays powerful space monitoring radar for first time at Airshow China
- China unveils 'drone killer' laser weapon at Airshow China, can shoot down target at low cost
- High hopes of China's H-20 stealth bomber launch as PLA top brass vow weapon system upgrades
- U.S. nuclear bombers find home in Australia as China tensions rise
- China's cargo craft Tianzhou-5 docks with space station combination
- Chinese test pilots pave way for development of latest PLA warplanes
- Shenzhou-14 crew enters Tianzhou-5; cargo mission sets new world record for fastest rendezvous and docking operation
- China gives 1st close-up glimpse of cutting-edge stealth fighter
- China Premier Li emphasised 'irresponsibility' of nuclear threats at Asia summit - U.S. official
- China launches Yaogan-34 03 remote sensing satellite
- China's Xi: Nuclear wars cannot be fought in Ukraine -China foreign minister
- China showcases latest Hongqi missile defence systems at Zhuhai air show
- China's Tianzhou-4 cargo craft re-enters atmosphere

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- Pakistan seeks explanation from Russia on senator's nuclear claim
- Moscow's reservation to Pak nuclear-project dates back to Cold War period
- Safety, security of its nuclear power national responsibility: Pak envoy
- India's BrahMos missile misfire into Pakistan not of specific concern, says nuclear watchdog chief

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- France's EDF lowers 2022 nuclear output target to 275-285 twh
- France's Macron and UK's Sunak agree nuclear energy cooperation
- France sets its military goals as war is back in Europe
- France, China intent on preventing use of nuclear arms in Ukraine conflict - French Presidency

F. Germany

- German utility E.ON sells 99% of Isar 2 nuclear site's 2022 output
- German lawmakers OK delay in switching off nuclear plants

G. IAEA

- UN Nuclear Watchdog Starts "Dirty Bomb" Claims Inspections in Ukraine
- No Sign of "Undeclared Nuclear Activities" in Ukraine: IAEA
- Sizewell C nuclear power plant 'is not being shelved'
- COP27: nuclear boss doesn't expect surge in waste recycling
- IAEA Experts Visit Nuclear Facility in Ukraine's Kharkov, Determine Radiation Levels Normal
- Nuclear option for the budget

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- Poland's government confirms Westinghouse for nuclear plant

I. Sweden

- Swedish Parties Split Over NATO Keeping Nuclear Arms on Country's Soil
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- Will US Follow in Sweden's Footsteps and Finally Admit It's an 'Actor' in Ukraine?
- New Swedish govt cuts fuel taxes, boosts defence in first budget
- Sweden's Biggest Nuclear Reactor Shuts Down, Sending Electricity Soaring
- Swedish nuke reactor back up; no reason given for shutdown
- Sweden to spurn nuclear weapons as NATO member, foreign minister says
- Sweden's Foreign Minister Tones Down General's 'No Red Lines on Spurning Nukes' Rhetoric on NATO Bid

J. UK

- British Spies Training Ukrainian Insurgent Army in Crimea, Leaks Show
- UN nuclear inspectors shut down Russian 'dirty bomb' claim against Ukraine
- Sunak pledges Sizewell C will go ahead 'as soon as possible' despite fears it could be scrapped
- Letters: A fresh focus on nuclear power is key to boosting Britain's energy independence
- Royal Navy nuclear-armed submarine forced to abort mission after catching fire
- UK Royal Military Police Probe Air Corps Soldiers' Racist Memes About Harry and Meghan
- Rolls-Royce seeks to open mini-nuclear reactors across Wales, the North and West Midlands by 2030
- UK Will Soon Provide Ukraine With About 1,000 Additional Surface-to-Air Missiles - London
- An energy crisis, fear of nuclear power, public discontent - 90s Armenia has lessons for the UK
- UK's Defense Spending to Shrink in Real Terms Due to High Inflation
- Microdrones: the AI assassins set to become weapons of mass destruction
- Sunak defence cuts a 'breach' of manifesto

K. Ukraine

- Moscow wants to connect Ukrainian nuclear plant to Russian grid - Energoatom
- A nuclear catastrophe need not come in the form of bombs
- When Did Ukraine Give Up Nuclear Weapons and Why Have Fears of Kiev's Pursuit of Nukes Reemerged?
- The Zaporizhzhia nuclear power plant returns to relying on generators after shelling.
- Zelensky accuses Moscow of energy 'terrorism' as Russian strikes knock out power for millions
- External power restored to Ukraine's Zaporizhzhia nuclear plant, IAEA says
- Zaporizhzhia reconnected, but 'it can't go on like this', says IAEA
- Ukraine's military shells DPR over 30 times in past day, mission reports
- At least 85 civilians suffer landmine injuries in DPR in current round of violence
- Why Putin can't be allowed to win in Ukraine
- Zelenskyy hails UN nuclear investigation result; UK says Russia likely shooting its retreating soldiers
- Ukraine in danger of running out of air defenses as Russia launches relentless drone attacks
- Ukraine's Occupied City of Kherson Without Electricity, Water After Strike
- Drone presumably shot down over waters of Sevastopol
- Ukraine Peace Talks Remain Distant Even as Moscow Signals a Retreat
- Ukraine's military suffers about 40 casualties in Donbass in past day – DPR militia
- Villages and towns in Ukraine see heavy fighting, shelling
- Ukraine's military suffers several hundred casualties in attempted attack in Kherson area
- LPR militia reports eliminating about 50 Ukrainian militants in Donbass in past day
- Over 1,000 foreign mercenaries eliminated in Zaporozhye
- Ukraine claims big gains in south, but fears retreating Russians will turn Kherson into 'city of death'
- Ukraine's military suffers over 70 casualties in Donbass in past day – DPR militia
- Ukrainian troops sweep into key city of Kherson after Russian forces retreat, dealing blow to Putin
- 'The Happiest Day': Joy in Kherson as Ukrainian Troops Re-Enter City
- Ukrainian forces pound settlement in LPR with 20 Grad rockets
- Ukraine May Redirect 40,000 Troops From Kherson to Other Areas
- Why Does US Continue to 'Fan the Flames' of Ukraine Conflict?
- Ukraine asks U.S. for big drones, hoping to overcome opposition

L. United States of America

- U.S. and UAE sign strategic partnership deal to spur \$100 billion in clean energy investment
- SpaceX's Falcon Heavy rocket, world's most powerful rocket, launches after three-year hiatus
- Republicans slam Pentagon plan to pull permanent F-15 force from Okinawa
- US officials divided over new intelligence suggesting Russian military discussed scenarios for using nuclear weapons
- SpaceX launches first Falcon Heavy mission since 2019 from Florida
- US military nuclear chief sounds the alarm about pace of China's nuclear weapons program
- Pentagon, U.S. arms makers to talk Russia, labor and supply chain
- U.S. announces \$400 million in new military aid for Ukraine

- U.S. To deploy B-1B strategic bomber to U.S.-South Korea drill Saturday, Yonhap reports
- U.S. To deploy B-1B strategic bomber to U.S.-South Korea drill Saturday, Yonhap reports
- Head of US Nuclear Forces Claims Ukraine ‘Just a Warmup’ for ‘Very Long’ Struggle With Russia, China
- US and Russia agree to hold talks on nuclear treaty for first time since Ukraine war began
- Dems Face Nightmare Midterm Polls; Massive Anti-Russian “Bot Army” Uncovered; Twitter Job Cuts
- Biden ‘Armageddon’ Warning Aims to Pit as Many States Against Russia as Possible: Ambassador Antonov
- US May Reportedly Deploy Aircraft Carrier in Sea of Japan in Event of N.Korea’s Nuclear Test
- Biden admin pushing Ukraine to begin peace talks with Russia, report claims
- Sullivan Says US Engaged in Talks With Russia to Reduce Risk, Warn Against Use of Nukes
- US military may obtain effective non-nuclear deterrence in medium term – media
- Pentagon chief has not spoken with White House about leaving post following midterm election
- Judge Gives Long Sentence to Couple Who Tried to Sell Submarine Secrets
- U.S. confirms it held talks with Kremlin over nuclear threat; Ukraine hit by emergency power shutdowns
- The nuclear arms race grows from two to three major competing powers
- Exclusive: U.S., EU powers push IAEA board to order Iran to cooperate urgently
- U.S., Centrus Energy in pact to make next-generation nuclear fuel
- US studying how to modify powerful armed drone as Ukrainian demand grows
- USA-Ukraine announce cooperation on clean fuels from SMRs
- US studying how to modify powerful armed drone as Ukrainian demand grows
- U.S. to spend \$66 mln on new facilities at Philippines military bases

West Asia

M. Iran

- UNSC not to hold session on Iran
- FM: Iranian delegation due in Vienna for talks with IAEA
- Iran: Conveyed message to US has ‘constructive’ approach
- Iran Successfully Launches Qaem 100 Solid Fuel Suborbital Carrier
- Iran plans to upgrade atomic energy schools: AEOI chief
- Iran Unveils Advanced Home-Made Missile Defense System
- Minister: Bavar-373 Missile Defense Capable of Confronting Ballistic Missiles
- Military Chief: Iran Ready to Share Defense Experiences with Iraq
- Iran envoy to UN says IAEA should act independently
- Military Chief: Using Iranian Drones in Tajikistan-Kyrgyzstan Dispute Unacceptable to Tehran
- Iran Develops Hypersonic Ballistic Missile Able to Overcome All Air Defense Shields
- FM: Iran’s Weapons Trade Not Included in UNSC Resolution 2231
- Top Commander: Enemy’s Drones in Crosshairs
- IRGC Pounds Terrorists’ Positions in Iraq’s Kurdistan
- Iran FM, EU’s Borrell discuss JCPOA on phone
- Iran terms Israel as main obstacle to creating ME free of WMD

N. Israel

- Netanyahu ally: I believe he'll strike in Iran if nuclear talks fail, US doesn't act
- Russia said to threaten retaliation if Israel supplies defense aid to Ukraine
- Israel fires missiles at Hamas military training camp in Gaza in reply to rocket attack
- Iran's weapons are slowly dragging Israel to Ukraine's defense
- Gantz: Israel doesn't have production capacity to supply air defense systems to Ukraine
- Netanyahu pressed on supplying weapons to Ukraine
- In a First, Israeli General Opens Up About Use of Armed Drones
- About 70,000 Bullets, 70 Grenades Stolen From Army Base in Golan Heights
- Ukrainian Army Spotted Using Israeli-Made Armored Vehicles
- Under Secretary of Defense for Policy Dr. Colin Kahl's Travel to Israel, Bahrain, and United Arab Emirates
- Israel accelerating Arrow-4, sensor development due to Iranian hypersonic threat

O. Syria

- Sabbagh: Western countries' insistence to hold UNSC sessions on chemical file in Syria unacceptable
- Iran: holding successive UN meetings on chemical weapons file in Syria is evidence of politicization
- Ambassador Sabbagh: Establishing weapons of mass destruction free-zone in the Middle East requires Israel's accession to the non-proliferation treaty

P. Turkey

- Türkiye to export long-range artillery missile Khan to Indonesia
- US may approve F-16 sale to Türkiye in two months, Erdogan's spokesman says
- Turkish award-winning arms maker CANiK to open factory in US
- Turkey points to Kurdish militants for deadly Istanbul bombing
- 28 Turkish companies participate in Pakistan's defense expo
- US govt to continue to support F-16 sale to Türkiye: Biden

East Asia

Q. North Korea

- North Korea threatens to use nuclear weapons during South Korea, U.S. drills
- North Korea fires suspected ICBM in latest missile barrage
- North Korea missile salvo hits the law of diminishing returns
- US to deploy more nuclear-capable warplanes around Korean peninsula
- North Korea continues frenetic pace of missile launches as U.S. B-1B bombers fly to South

R. Japan

- Japan and South Korea considering mid-November summit, sources say
- Govt Ends Nuclear Disaster Drills in Central Japan
- Biden to discuss North Korea nuclear threat with Japan, South Korea leaders
- Japan looks to finalize nuclear reactor service extension by year-end
- Japan's Changing Nuclear Energy Policy
- Japan could host Australian nuclear subs
- IAEA team to inspect treated water release plan for Fukushima nuclear plant

S. South Korea

- Yoon to discuss North Korea nuclear threat with US, Japan leaders

T. Opinion

- Xi Jinping enunciates doctrine for the PLA at the CPC: Geopolitics and the need for India to fine tune the nuclear doctrine

A. India

DRDO conducts successful maiden flight-test of Phase-II Ballistic Missile Defence interceptor off Odisha coast

PIB, November 2, 2022

Defence Research & Development Organisation (DRDO) conducted a successful maiden flight-test of Phase-II Ballistic Missile Defence (BMD) interceptor AD-1 missile with large kill altitude bracket from APJ Abdul Kalam Island off the coast of Odisha on November 02, 2022. The flight-test was carried out with participation of all BMD weapon system elements located at different geographical locations. The AD-1 is a long-range interceptor missile designed for both low exo-atmospheric and endo-atmospheric interception of long-range ballistic missiles as well as aircraft. It is propelled by a two-stage solid motor and equipped with indigenously-developed advanced control system, navigation and guidance algorithm to precisely guide the vehicle to the target.

<https://pib.gov.in/PressReleasePage.aspx?PRID=1873179>

We want to be the partner of choice for India: U.S. defence official

The Hindu, November 2, 2022

"We want to be the partner of choice for India," said a senior U.S. defence official on Wednesday while stating that they are the best partner when it comes to sharing high-end technology and next-generation equipment in the backdrop of India diversifying its military arsenal from heavy dependence on Russia. To a question on the situation on the Line of Actual Control (LAC) and ongoing conversation between the two countries, he said they work closely to exchange views and both can't take the eye off the ball as far as regional security issues are concerned.

<https://www.thehindu.com/news/national/we-want-to-be-the-partner-of-choice-for-india-us-defence-official/article66087413.ece>

India's Kakrapar 3 ready for start-up

*Nuclear Engineering International
November 3, 2022*

Unit 3 of India's Kakrapar NPP Project (KAPP) in Gujarat is expected to enter commercial operation by December, after receiving phased regulatory approvals, Minister of State Dr Jitendra Singh said in a written response to a question in the Lok Sabha (parliament) on 30 October. Kakrapar 3 is India's first 700MWe pressurised heavy water reactor (PHWR) with innovative features. The unit was brought online in January and is expected to be fully operational by October-November after a design review to address safety issues. Dr Singh said the unit is currently being prepared for start-up and gradual capacity ramp up to capacity limit in accordance with regulatory approvals issued. He added that necessary modifications and improvements have been made based on commissioning experience and their functionality has been confirmed in hot tests.

<https://www.neimagazine.com/news/newskakrapar-3-ready-for-start-up-10144907>

Indian Army Approves Five make II Projects Providing Impetus to "Atma Nirbhaarta"

PIB, November 4, 2022

Indian Army is spearheading actions to provide impetus to "Make Projects" as the prime drivers of infusion of niche technologies through indigenous development. To give a further boost to the ongoing projects, Indian Army has now approved Project Sanction Orders (PSOs) of five Make II projects. Make II projects are essentially Industry funded projects involving design, development and innovative solutions by Indian vendors for development of prototypes. An assurance of order is given after successful prototype development.

<https://pib.gov.in/PressReleasePage.aspx?PRID=1873674>

Gaganyaan mission in 2024 will be a major milestone in India's Space Odyssey

Mint, November 5, 2022

India's space aspirations are reflected in its missions to the Moon and Mars, the Gaganyaan, the country's first human space mission will be a major milestone in India's Space Odyssey, Union Minister Jitendra Singh said on Saturday. The Minister informed that unmanned Gaganyaan flight is scheduled by end 2023. Second unmanned flight will be by mid-2024 and the manned mission is planned by 2024. The minister said that Science has turned yesterday's fairy tales into today's reality and therefore optimum mix of traditional knowledge with modern research can result in outcomes beyond imagination.

<https://www.livemint.com/news/gaganyaan-mission-in-2024-will-be-a-major-milestone-in-india-s-space-odyssey-jitendra-singh-11667653783367.html>

Explained: Chinese Spy Ship's Entry Into Indian Ocean Complicates India's Missile Test Plans

Swarajya, November 5, 2022

A Chinese spy ship named Yuan Wang VI has entered the Indian Ocean just three months after an intelligence-gathering vessel belonging to the country docked at Sri Lanka's Hambantota port. The vessel's entry into the Indian Ocean comes just days ahead of a planned missile test by India. Equipped with advanced surveillance equipment and sensors, the Chinese ship is capable of tracking ballistic missiles and satellites and gathering of signal intelligence. The test will likely occur sometime between 10 and 11 November, as a NOTAM or Notice to Airmen issued last month suggests. The notice also indicates that the missile may fly to a range of 2,200 kilometers. While the Defence Ministry has not formally commented on the matter, it is understood that India is preparing to test its K-4 submarine-launched ballistic missile (SLBM). The K-4 has a range of 3,500 kilometers.

<https://swarajyamag.com/defence/explained->

chinese-spy-ships-entry-into-indian-ocean-complicates-indias-missile-test-plans

India expresses concern as North Korea launches missiles capable of carrying nuclear warhead

Scroll, November 5, 2022

India on Saturday told the United Nations that it supports denuclearisation in the Korean peninsula, asserting that it was in the "collective interest". Ruchira Kamboj, India's permanent representative to the United Nations, made the statement at the Security Council against the backdrop of the intercontinental ballistic missile launched by North Korea on November 3. The launch had reportedly failed. The intercontinental ballistic missiles are North Korea's longest-range weapons and are designed to carry a nuclear warhead to the other side of the planet. A day before this launch, North Korea had fired 23 missiles towards South Korea.

<https://scroll.in/latest/1036695/india-expresses-concern-as-north-korea-launches-missiles-capable-of-carrying-nuclear-warhead>

Indian space tech should now build small satellites, forge big global partnerships

The Print, November 7, 2022

The Indian Space Research Organisation, or ISRO, launched 36 satellites of OneWeb last week. OneWeb, a joint venture between the UK government and India's Bharti Enterprises, had been scampering to secure a launch of its satellites after its original partner, the Russian space agency, Roscosmos, backed out following the war in Ukraine. There seemed to be no backup available for OneWeb, with analysts citing SpaceX as the only possible option. This launch by ISRO, therefore, is seminal. It has defied market expectations. It has done the launch in record time. It was also the first mission that did not use India's traditional workhorse vehicle, the PSLV, but instead opted for the more sophisticated GSLV-Mk III. And it has further catapulted ISRO, and by extension

India, as a promising and emerging player in the commercial launch market. To be sure, India did undertake commercial launches for other customers earlier as well, but the speed with which ISRO launched OneWeb's satellites, and their overall significance, was truly a noteworthy milestone.

<https://theprint.in/opinion/indian-space-tech-should-now-build-small-satellites-forge-big-global-partnerships/1201950/>

ISRO tests rocket engine of Indian space start-up

Deccan Chronicle, November 8, 2022

Vikram Sarabhai Space Centre (VSSC), the lead centre of Indian Space Research Organisation (ISRO) for development of launch vehicles, has facilitated hot testing of a rocket engine developed by an Indian space start-up. The centre successfully conducted the 15-second hot test of Agnilet Engine for Agnikul Cosmos on November 4, 2022 at its Vertical Test Facility of Thumba Equatorial Rocket Launching Station (TERLS) in Thiruvananthapuram. The test had been carried out as part of an MOU between ISRO and Agnikul, thereby providing an opportunity for Indian space start-ups to use ISRO facilities through IN-SPACe (Indian National Space, Promotion and Authorisation Centre).

<https://www.deccanchronicle.com/nation/current-affairs/081122/isro-tests-rocket-engine-of-indian-space-start-up.html>

Uranium Exploration Stepped Up In India's Northeast

The Diplomat, November 8, 2022

The Indian government has unveiled an ambitious plan to step up uranium exploration in the country's northeast, with new spots for such exploration being identified across as many as three states in the frontier region. The Department of Atomic Energy has selected eight districts in the states of Assam, Tripura and Arunachal Pradesh for the exploration of uranium out of a total of 40 districts across

other states in the country. "There are different stages of exploration lasting for a few years. The new spots that have been identified in the three states of the northeast will undergo exploration continuously for a few years before conclusions are drawn. Not all deposits are viable for commercial extraction," an official said, adding, "In Assam, chances could be bright for [the site at] Karbi Anglong."

<https://thediplomat.com/2022/11/uranium-exploration-stepped-up-in-indias-northeast/>

ISRO Set For 1st Runway Landing Of India-Made Space Shuttle: Chairman

NDTV, November 8, 2022

The Indian Space Research Organisation is set for the first runway landing experiment (RLV-LEX) of its made-in-India Reusable Launch Vehicle - Technology Demonstrator (RLV-TD) from aeronautical test range in Karnataka's Chitradurga district, with its Chairman S Somanath indicating that weather is being monitored. "We are looking at the climate. Climate is still not good. So, we are waiting for the wind and other systems to become benign. We will do that," Mr Somanath, also Secretary in the Department of Space, told Press Trust of India.

<https://www.ndtv.com/india-news/isro-set-for-1st-runway-landing-of-india-made-reusable-rocket-chairman-3501363>

Skyroot Aerospace to launch India's first privately developed rocket into space next week

Business Today, November 8, 2022

Kondapur (Telangana)-based Skyroot Aerospace is all set to create history by becoming the first private space company in India to launch a rocket into space. The mission named 'Prarambh', meaning "the beginning" in Sanskrit, heralds a new era for startups in the country's spacetechnology sector. The first space mission for Skyroot

was unveiled by ISRO Chairman Dr S Somanath in Bengaluru on Monday. This followed the clearance for technical launch received from the single window nodal agency for promoting and regulating space-tech players, IN-SPACe. Although the authorities have notified a launch window between November 12 and 16, the final date will be confirmed based on weather conditions. The rocket will be sent into space from ISRO's Satish Dhawan Space Centre spaceport in Sriharikota, off the Andhra Pradesh coast.

<https://www.businesstoday.in/technology/story/skyroot-aerospace-to-launch-indias-first-privately-developed-rocket-into-space-next-week-352189-2022-11-08>

Rise of India's space-tech start-ups: AgniKul becomes first to receive ISRO's flight termination system to ensure civilian safety

Business Today November 11, 2022

In a move that is going to provide a major boost to partnerships between the Indian Space Research Organisation (ISRO) and the private sector firms engaged in commercial space activities, Chennai-based Agnikul has received Flight Termination System (FTS) packages from the national space agency for its maiden fully controlled sub-orbital mission. This is the first time that a system used on ISRO launch vehicles is being shared to support a launch vehicle built by an entity in the private sector. The transfer has been supported by the single window nodal agency for promoting and regulating space-tech players, IN-SPACe. An FTS – also called Thrust Termination System (TTS) – is designed to destroy the rocket in case it goes off course to threaten people and assets on the ground. These packages would be used for Agnikul's upcoming mission from ISRO's Satish Dhawan Space Centre (SDSC) in Sriharikota.

<https://www.businesstoday.in/technology/story/rise-of-indias-space-tech-start-ups-agnikul-becomes-first-to-receive-isros-flight-termination-system-to-ensure-civilian-safety-352643-2022-11-11>

India Postpones Missile Test Scheduled For This Week, Second Chinese Spy Ship Enters Indian Ocean Region

Swarajya, November 12, 2022

India has notified a no-fly zone over a part of the Bay of Bengal as it is likely to test a missile in the region later this month. The Notice to Airmen or NOTAM issued by India suggests that the missile test, which was scheduled for earlier this week, may now take place sometime between 23 and 24 November. Earlier, India had notified a no-fly zone, indicative of a missile test, for 10 and 11 November. However, it was canceled after a Chinese intelligence-gathering vessel entered the Indian Ocean just days before the test. Equipped with surveillance equipment, the ship can track ballistic missiles and satellites and gather signal intelligence. The new notice, like the one issued earlier, indicates that the missile may fly to a range of 2,200 kilometers. While some reports say that India plans to test its K-4 submarine-launched ballistic missile (SLBM), others suggest that the missile to be test-fired belongs to the Agni series of ballistic missiles. The K-4 SLBM has a range of 3,500 kilometers.

<https://swarajyamag.com/defence/india-postpones-missile-test-scheduled-for-this-week-second-chinese-spy-ship-enters-indian-ocean-region>

Jaishankar, Ukraine counterpart talk grain deal, nuke worries

The Indian Express, November 13, 2022

Days after he met Russian Foreign Minister Sergey Lavrov in Moscow, External Affairs Minister S Jaishankar met Ukraine's Foreign Minister Dmytro Kuleba Saturday and they discussed ways to end Russia's war on Ukraine, nuclear concerns and bilateral cooperation. Jaishankar and Kuleba met on the sidelines of the ASEAN-India summit in the Cambodian capital Phnom Penh. "Pleasure to meet FM @DmytroKuleba of Ukraine. Our discussions covered recent developments in the conflict, the grain initiative and nuclear concerns," Jaishankar said in a

Twitter post. India has, in the past, expressed concern over the nuclear rhetoric by Russia.

<https://indianexpress.com/article/india/jaishankar-ukraine-counterpart-talk-grain-deal-nuke-worries-8265238/>

Private rocket Vikram-S puts India's space economy in a new-age orbit

Mint, November 14, 2022

With the expected launch of Vikram-S, a rocket that will put three microsatellites into space at an altitude of 120 km, India's state-run space programme will evolve into a proper space economy with private sector participation. Vikram-S is a demonstration launch for Hyderabad-based start-up Skyroot, whose planned Vikram-1 rockets are intended to launch satellites into low-earth orbits. Skyroot is far from the first private sector company to be part of India's space programme, but it would be the first company to develop a launch vehicle and put satellites into space. So far, private companies' role in the space programme had been limited to manufacturing parts and systems for the Indian Space Research Organisation (ISRO), India's state-owned space pioneer, with its roots going back to Independent India's ambition to have its own atomic and space programmes. ISRO superseded the Indian National Committee for Space Research (Incospa), set up in 1962. For all the criticism heaped on the policy approach of Prime Minister Jawaharlal Nehru, and often rightly so, ISRO in fact stands as one of its awesome successes stories.

<https://www.livemint.com/opinion/online-views/private-rocket-vikram-s-puts-india-s-space-economy-in-a-new-age-orbit-11668152588899.html>

India's long-term strategy to transition to a 'low emissions' pathway involves more nuclear power, more ethanol

The Hindu, November 14, 2022

India on November 14, 2022 announced its long-term strategy to transition to a "low emissions" pathway at the United Nations Conference of Parties (COP) ongoing in

Sharm el-Sheikh, Egypt, which is premised on expanding its nuclear power capacity by at least three-fold in the next decade, apart from becoming an international hub for producing green hydrogen and increasing the proportion of ethanol in petrol. These steps, Environment Minister Bhupendra Yadav said, were consonant with India's "five-decade journey" to net zero, or being carbon neutral by 2070 – a commitment made by Prime Minister Narendra Modi at Glasgow, where the 26th COP was held last year.

<https://www.thehindu.com/sci-tech/energy-and-environment/indias-long-term-strategy-to-transition-to-a-low-emissions-pathway-involves-more-nuclear-power-more-ethanol-for-the-clean-energy-transformation/article66136754.ece>

'India a platform for new nuclear technologies... I see a very bright future': IAEA chief Rafael Mariano Grossi

The Indian Express, November 14, 2022

In an interview with The Indian Express at COP27, Grossi spoke about the current situation in Ukraine where a large nuclear power plant has been turned into one of the riskiest battlefields, why many countries were still opting for nuclear energy, and how nuclear energy was integral to any clean energy transition. At a time when the risks of a nuclear accident, even a war, are at an unprecedented level, the International Atomic Energy Agency (IAEA), the global industry regulator, has made an appearance at the climate change conference for the first time, underlining the sector's key role in effecting a quick transition away from fossil fuel-based energy sources. At COP27, IAEA director general Rafael Mariano Grossi has been pitching nuclear energy as part of the solution to the climate crisis, not a problem itself. The nuclear industry, however, has faced huge opposition from a section of climate activists at previous climate change meetings, citing the risks and the costs.

<https://indianexpress.com/article/world/climate-change/india-platform-for-new-nuclear-tech->

nologies-see-bright-future-iaea-chief-rafael-mariano-grossi-8266883/

India's long-term development strategy sees nuclear expansion

World Nuclear News, November 15, 2022

The long-term low-emission development strategy - or LT-LEDS - submitted by India to the United Nations Framework Convention on Climate Change (UNFCCC) includes a three-fold increase in nuclear energy capacity by 2032 and will also explore the potential deployment of small modular nuclear reactors (SMRs). All parties to the Paris Agreement on climate change are required to submit LT-LEDS: to date, only 57 of the 194 parties to the agreement have done so. India's LT-LED was formally released on 14 November by Minister for Environment, Forest and Climate Change Bhupender Yadav at the COP27 Climate Conference taking place in Sharm el-Sheikh, Egypt.

<https://www.world-nuclear-news.org/Articles/India-long-term-development-strategy-sees-nuclear>

B. Russia

Kiev uses Black Sea security corridor for anti-Russian warfare – defense ministry

Russian News Agency, November 01, 2022

Navigation via the Black Sea security corridor has become unsuitable given that the Kiev government and the armed forces of Ukraine are using it to conduct anti-Russian warfare, the Russian Defense Ministry said on Monday. "Navigation via the security corridor is unacceptable, since the Ukrainian government and the top brass of the Ukrainian armed forces are using it for combat actions against the Russian Federation," the ministry said in a statement.

<https://tass.com/defense/1530487>

Russia's anti-drone gun capable of 'stunning' American UAVs undergoes tests

Russian News Agency, November 01, 2022

The PPSH Laboratory has developed a new LPD-802 modification of its electronic

warfare gun capable of knocking out American unmanned aerial vehicles (UAVs) and is currently testing the new system, the company told TASS on Tuesday. "Currently, the LPD-802 drone jammer is undergoing all the required tests. The LPD-802 has its interior design completely renewed and features smaller dimensions, which is vital in its operation. Compared to the LPD-801 model, the LPD-802 boasts enhanced power and an extra jamming frequency band to suppress American drones," the company said.

<https://tass.com/defense/1530699>

Moldova Expels Russian Diplomat Over Ukraine Missile Debris

The Moscow Times, November 01, 2022

Moldova has expelled a Russian diplomat after debris from a Russian missile shot down by Ukrainian air defenses landed on the northern tip of the country's territory. Ukraine said it was subjected to a "massive" wave of missile strikes Monday, with more than 50 cruise missiles launched at targets across the country including Kyiv's power and water supplies. The Moldovan interior ministry said one of those missiles fell on the village of Naslavcea close to the Moldovan-Ukrainian border on Monday, blowing out several houses' windows but not causing any injuries.

<https://www.themoscowtimes.com/2022/11/01/moldova-expels-russian-diplomat-over-ukraine-missile-debris-a79255>

Putin Demands 'Real Guarantees' From Kyiv Before Restoration of Grain Deal

The Moscow Times, November 01, 2022

Russian President Vladimir Putin told Turkish leader Recep Tayyip Erdogan on Tuesday that he wanted "real guarantees" from Kyiv before potentially rejoining the grain deal. In a phone call, Putin told Erdogan that Russia sought "real guarantees from Kyiv about the strict observance of the Istanbul agreement, in particular about not using the

humanitarian corridor for military purposes,” according to a Kremlin statement. The Turkey and UN-brokered deal allowed Ukrainian grain exports to resume in August, easing a global food crisis caused by the conflict. On Saturday, Russia accused Ukraine of misusing the safe shipping corridor for an attack on Russian ships in Crimea and suspended its participation in the agreement.

<https://www.themoscowtimes.com/2022/11/01/putin-demands-real-guarantees-from-kyiv-before-restoration-of-grain-deal-a79264>

Russian military leaders reportedly considered using tactical nukes in Ukraine

CNBC, November 02, 2022

CNBC’s Shep Smith reports there are new reports that Russian military leaders recently discussed the possibility of using a tactical nuclear weapon in Ukraine.

<https://www.cnb.com/video/2022/11/02/russian-military-leaders-reportedly-considered-using-tactical-nukes-in-ukraine.html?&qsearchterm=nuclear>

Russia Says ‘Top Priority’ Is to Avoid Clash of Nuclear Powers

The Moscow Times, November 02, 2022

Russia said Wednesday that the world’s “top priority” should be to avoid a clash of nuclear powers, stressing it could lead to “catastrophic consequences.” “We are firmly convinced that in the current difficult and turbulent situation – a consequence of irresponsible and shameless actions aimed at undermining our national security – the top priority is to prevent any military clash of nuclear powers,” said the Foreign Ministry. Moscow called on other nuclear powers to “abandon dangerous attempts to infringe on each other’s vital interests.” The Foreign Ministry’s statement came amid rising fears of nuclear use in the Ukraine conflict, which has dragged on into its ninth month.

<https://www.themoscowtimes.com/2022/11/02/russia-says-top-priority-is-to-avoid-clash-of-nuclear-powers-a79277>

Moscow Calls on Nuclear Big Five to Reject Provocations Involving WMDs

Sputnik International, November 02, 2022

The Foreign Ministry commentary comes amid escalating tensions between Russia and the West in the Ukrainian security crisis, as well as growing tensions between Washington and Beijing over Taiwan, and between Washington and its allies and Pyongyang on the Korean Peninsula. The Russian Foreign Ministry issued a statement Wednesday reiterating Moscow’s conviction that a nuclear war cannot be won and must never be fought, and calling on the nuclear powers to do everything in their power to prevent the use of weapons of mass destruction.

<https://sputniknews.com/20221102/moscow-calls-on-nuclear-big-five-to-reject-provocations-involving-wmds-1102968453.html>

Which Countries Have the Biggest and Deadliest Nuclear Arsenals?

Sputnik International, November 02, 2022

The world seems to be suffering from a case of nuclear fever, with Western media spending weeks seriously discussing the implications of a nuclear war with Russia. Moscow has called on everybody to take a big chill pill and cool it with the nuclear rhetoric. Sputnik presents a few sobering facts about these deadly, world-ending weapons.

<https://sputniknews.com/20221102/which-countries-have-the-biggest-and-deadliest-nuclear-arsenals-1103137442.html>

Russian Military Discussed Nuclear Weapons Use in Ukraine

The Moscow Times, November 02, 2022

Russian military officials recently met to talk about the potential use of tactical nuclear weapons in Ukraine, The New York Times reported Tuesday, citing U.S. intelligence. Washington learned last month of the conversations, which did not include Russian President Vladimir Putin, according to the newspaper. U.S. officials

did not disclose the possible scenarios in which Moscow would resort to nuclear weapons. John Kirby, an official in the U.S. National Security Council, refused to comment specifically to The New York Times about the allegations of such a Russian discussion.

<https://www.themoscowtimes.com/2022/11/02/russian-military-discussed-nuclear-weapons-use-in-ukraine-nyt-a79271>

Russia Says ‘Top Priority’ Is to Avoid Clash of Nuclear Powers

The Moscow Times, November 02, 2022

Russia said Wednesday that the world’s “top priority” should be to avoid a clash of nuclear powers, stressing it could lead to “catastrophic consequences.” “We are firmly convinced that in the current difficult and turbulent situation – a consequence of irresponsible and shameless actions aimed at undermining our national security – the top priority is to prevent any military clash of nuclear powers,” said the Foreign Ministry. Moscow called on other nuclear powers to “abandon dangerous attempts to infringe on each other’s vital interests.” The Foreign Ministry’s statement came amid rising fears of nuclear use in the Ukraine conflict, which has dragged on into its ninth month.

<https://www.themoscowtimes.com/2022/11/02/russia-says-top-priority-is-to-avoid-clash-of-nuclear-powers-a79277>

Putin demands constant improvement of armaments

Russian News Agency, November 02, 2022

According to the Russian leader, the opinion of those who use military equipment on a routine basis, who comprehend “how it really fulfills the function for which it was developed” should be taken into consideration concerning each item of such equipment. Russian weaponry needs to be continuously upgraded, Russian President Vladimir Putin said on Wednesday at a meeting of the Coordination Council on the

army’s needs. “Armaments <...> must be constantly, continuously improved and must remain effective,” he stressed.

<https://tass.com/defense/1531601>

Moscow Wants to Connect Ukrainian Nuclear Plant to Russian Grid – Energoatom

Kyiv Post, November 03, 2022

According to a statement issued on Thursday, Nov. 3 by Energoatom, the Ukrainian nuclear energy company, the Zaporizhzhia nuclear power plant in Ukraine was using emergency diesel generators after being cut off from the Ukrainian power grid by fresh Russian bombardment. The plant has been occupied by invading Russian forces since the start of March. According to Energoatom, shelling on Nov. 2 destroyed the very last remaining high-voltage lines that connected it to the Ukrainian power grid. The statement also said that Russia wanted to attach the plant to the its own grid and that it has enough fuel to keep its generators running for 15 days.

<https://www.kyivpost.com/ukraine-politics/moscow-wants-to-connect-ukrainian-nuclear-plant-to-russian-grid-energoatom.html>

Putin’s military overheard ‘discussing nuclear strike’ in Ukraine

The Times, November 03, 2022

President Putin’s hold on power is weakening because of mistakes made during the invasion of Ukraine, western officials believe. The Russian president, 70, has changed the law to allow him to remain in the Kremlin until 2036 but it is thought he could be vulnerable to a challenge around the time of elections in 2024.

<https://www.thetimes.co.uk/article/putins-military-overheard-discussing-nuclear-strike-in-ukraine-gt898fdr9>

Russia had no other choice but to launch special military operation, says official

Russian News Agency, November 03, 2022

Russia's decision to launch the special military operation in Ukraine was not an easy one but a necessary one and President Vladimir Putin had no other choice given existing dangers, Magomedislam Magomedov, deputy head of the Russian presidential administration, said on Thursday. "The open support and promotion of the neo-Nazi ideology, a speedy militarization of Ukraine, constant calls for the annexation of Russian territories, an increasing threat to our national security and stability left our country's President Vladimir Putin no other choice but to launch the special military operation," Magomedov said addressing the 3rd all-Russia forum 'Peoples of Russia.'

<https://tass.com/defense/1532165>

Russian air defenses down eight combat drones in Ukraine operation, top brass reports

Russian News Agency, November 03, 2022

Russian air defense forces shot down eight Ukrainian unmanned aerial vehicles and destroyed 13 HIMARS, Olkha and Uragan rockets in the past day in the special military operation in Ukraine, Defense Ministry Spokesman Lieutenant-General Igor Konashenkov reported on Thursday. "In the past 24 hours, air defense capabilities shot down eight Ukrainian unmanned aerial vehicles in the areas of the settlements of Burgunka, Bobrovyy Kut and Olgovka in the Kherson Region, Yepifanovka in the Lugansk People's Republic, Novaya Tarasovka in the Kharkov Region, Aleksandrovka, Nikolskoye and Pavlovka in the Donetsk People's Republic," the spokesman said.

<https://tass.com/defense/1532215>

Ka-52M helicopter equipped with structural monitoring system – developer

Russian News Agency, November 03, 2022

The upgraded Ka-52M helicopter has become the first to be fitted with a structural status monitoring system on board, Nikolay Lvov, chief executive of the IRT company - the developer, told TASS in an interview. "We have made a system for the blades on the Mi-24 helicopter flying laboratory. We then produced the systems of an advanced generation of composite wing structures for the prospective military airplane.

<https://tass.com/defense/1532225>

Russia's nuclear sub successfully tests Bulava missile

Russian News Agency, November 03, 2022

The nuclear-powered submarine Generalissimus Suvorov has successfully launched a ballistic missile Bulava during the final phase of government certification tests, the Russian Defense Ministry said on Thursday. "The crew of the newest strategic missile submarine Generalissimus Suvorov, of the Borey-A project, has successfully fired a Bulava ballistic missile during the final phase of the government certification tests," the Defense Ministry stated.

<https://tass.com/defense/1532287>

New Russian submarine successfully fires ballistic missile -defence ministry

Reuters, November 04, 2022

A new nuclear-powered submarine that is soon set to enter service with the Russian navy has successfully fired a ballistic missile as part of final testing, the defence ministry said on Thursday.

<https://www.reuters.com/world/europe/new-russian-submarine-successfully-fires-ballistic-missile-defence-ministry-2022-11-03/>

G7 ministers: severe consequences if Russia uses nuclear or chemical weapons

Reuters, November 04, 2022

The foreign ministers of the Group of Seven economic powers said on Friday any use of chemical, biological, or nuclear weapons by Russia would be met with severe consequences, and renewed their call on Moscow to end the war in Ukraine.

<https://www.reuters.com/world/g7-ministers-severe-consequences-if-russia-uses-nuclear-or-chemical-weapons-2022-11-04/>

Moscow softens nuclear war rhetoric; Russia's economic decline deepens as Putin warns he could pull out of grain deal again

CNBC, November 04, 2022

Russia issued a straightforward statement about nuclear war that could indicate the Kremlin is trying to cool the escalatory rhetoric it used throughout October, NBC News reported on Thursday. "Russia is strictly and consistently guided by the tenet that a nuclear war cannot be won and must never be fought," said the statement on the Russian Foreign Ministry website. Meanwhile, as the war between Russia and Ukraine drags into the fall and winter, the economic repercussions on both countries, and the rest of the world, becomes clearer.

<https://www.cnb.com/2022/11/03/russias-economic-decline-deepens-as-war-drag-on-putin-says-moscow-could-pull-out-of-grain-deal-again.html?&qsearchterm=nuclear>

Russia designs mobile launcher for Tsirkon hypersonic missile

Russian News Agency, November 04, 2022

Russian defense enterprises have designed and manufactured the prototype of a mobile launcher for Tsirkon hypersonic missiles, to be a part of a coastal defense missile system, a source close to Russia's military establishment has told TASS. "The prototype of a mobile launcher of a coastal defense missile system, using a Tsirkon hypersonic

missile, has already been created. As was the case with the Bastion system, the launcher will carry two missiles," he said.

<https://tass.com/defense/1532365>

Russian air defenses intercept HIMARS, Uragan rockets in Ukraine operation

Russian News Agency, November 04, 2022

Russian air defenses intercepted nine HIMARS and three Uragan rockets in the Kherson Region in the past day in the special military operation in Ukraine, Defense Ministry Spokesman Lieutenant-General Igor Konashenkov reported on Friday. "Nine rockets of the HIMARS multiple launch rocket system and three shells of the Uragan multiple rocket launcher were intercepted in the area of the settlement of Chernobayevka in the Kherson Region," the spokesman said.

<https://tass.com/defense/1532541>

Russian Strikes Leave 4.5 Million Without Power in Ukraine: Zelensky

Kyiv Post, November 04, 2022

Ukrainian President Volodymyr Zelensky said Thursday, Nov.3, that Russia's campaign against Ukraine's energy network has left around 4.5 million people without power. The two sides' forces continued to battle without significant change on the ground on the eastern and southern Ukraine fronts, with preparations building for a fight over the southern hub of Kherson. Shipments of Ukraine grain to global markets meanwhile resumed after Moscow returned to a deal allowing their safe passage following international pressure. "Tonight, about 4.5 million consumers have been temporarily disconnected from energy consumption," Zelensky said in his daily address.

<https://www.kyivpost.com/ukraine-politics/russian-strikes-leave-4-5-million-without-power-in-ukraine-zelensky.html>

NATO Secretary General Says Russia Unlikely to Use Nuclear Arms in Ukraine

Sputnik International, November 05, 2022

NATO Secretary General Jens Stoltenberg said on Saturday that the chance of Russia using nuclear weapons in Ukraine was small, though the bloc was taking this issue seriously. The risk that Russia would use nuclear weapons in Ukraine was low, but the alliance was very serious about it, as the consequences of a nuclear attack would be devastating, Stoltenberg told the Turkish NTV broadcaster, adding that Russia's position on the use of nuclear arms remained unchanged.

<https://sputniknews.com/20221105/nato-secretary-general-says-russia-unlikely-to-use-nuclear-arms-in-ukraine-1103815914.html>

Russian artillery troops, aircraft hit over 270 Ukrainian targets in past day

Russian News Agency, November 05, 2022

Russia's aircraft, artillery and missile forces hit over 270 Ukrainian targets in the past 24 hours, Russian Defense Ministry Spokesman Lieutenant General Igor Konashenkov said on Saturday. "Tactical and army aircraft, as well as missile and artillery forces, hit five Ukrainian command posts, including those of the 15th Regiment of the Ukrainian National Guard near Krasny Liman in the Donetsk People's Republic and Ukraine's 60th Infantry Brigade near the Vysokopolye, Novaya Kamenka and Chervonoye settlements in the Kherson Region, as well as the firing positions of 87 artillery units, troops and military equipment in 179 areas.

<https://tass.com/defense/1532725>

Russian missile strikes overshadow cyberattacks as Ukraine reels from blackouts

CNN, November 05, 2022

Russia has pummeled Ukrainian cities with missile and drone strikes for much of the past month, targeting civilians and large

swaths of the country's critical infrastructure. By Monday, 40% of Kyiv residents were left without water, and widespread power outages were reported across the country. On Thursday, Ukrainian President Volodymyr Zelensky accused Russia of 'energy terrorism' and said that about 4.5 million Ukrainian consumers were temporarily disconnected from the power supply.

<https://edition.cnn.com/2022/11/05/politics/russia-cyber-attacks-missiles-ukraine-blackouts/index.html>

Russian air defenses down Ukraine's Mi-8 helicopter in DPR - Defense Ministry

Russian News Agency, November 05, 2022

Russian air defenses downed a Ukrainian Mi-8 helicopter and intercepted 27 HIMARS rockets in the past day, Russian Defense Ministry Spokesman Lieutenant General Igor Konashenkov said on Saturday. "Air defenses downed a Ukrainian Mi-8 helicopter near Ugledar in the Donetsk People's Republic," he noted. "In addition, 27 US-made HIMARS rockets were intercepted near the Leninskoye and Mospino settlements in the Donetsk People's Republic and Novaya Kakhovka in the Kherson Region," Konashenkov added.

<https://tass.com/defense/1532729>

Russian troops eliminate up to 200 Ukrainian militants

Russian News Agency, November 06, 2022

The Ukrainian armed forces have attempted to attack the positions of the Russian troops in the Lugansk People's Republic (LPR) and the Kharkov Region, as a result of which Russian forces eliminated 200 Ukrainian militants, Russian Defense Ministry Spokesman Lieutenant-General Igor Konashenkov told reporters on Sunday. "In the Kupyansk direction, a battalion tactical group of the Ukrainian military forces fortified by a group of nationalists attempted to attack the positions of Russian troops at a narrow section of the front in the direction of the

Novoselovskoye settlement of the Lugansk People's Republic," he said, adding that the Russian army managed to stop the divisions of the enemy.

<https://tass.com/defense/1532839>

Russian troops repel Ukrainian army's attacks in Krasny Liman direction, says top brass

Russian News Agency, November 06, 2022

Russian divisions have thwarted the Ukrainian army's attempted attacks in the Krasny Liman direction, Russian Defense Ministry Spokesman Lieutenant-General Igor Konashenkov reported on Sunday. "In the Krasny Liman direction, the enemy has made unsuccessful attacks towards the settlements of Ploshchanka, Artemovka, Stelmakhovka of the Lugansk People's Republic and Yampolovka of the Donetsk People's Republic with two battalion tactical groups," he said.

<https://tass.com/defense/1532841>

Russian air defense forces intercept eight Ukrainian HIMARS, Olkha rockets

Russian News Agency, November 06, 2022

Russian air defense forces intercepted eight Ukrainian HIMARS and Olkha rockets, one HARM anti-radar missile, as well as shot down one Tochka-U ballistic missile, in the past day, Defense Ministry Spokesman Lieutenant-General Igor Konashenkov reported on Sunday. "Eight rockets were intercepted in the air, including six rockets of the US multiple launch rocket system HIMARS near the settlement of Antonovka of the Kherson Region and the city of Donetsk, two Olkha rockets in the Antonovka settlement of the Kherson Region and one US anti-radar missile HARM in the settlement of Novaya Kakhovka of the Kherson Region," the spokesman said, adding that one Ukrainian ballistic missile Tochka-U was also shot down near the settlement of Kuzemovka of the Lugansk People's Republic.

<https://tass.com/defense/1532847>

Russia's weapon seller to feature S-350-E, S-400 air defense systems at China arms show

Russian News Agency, November 07, 2022

Russia's state arms seller Rosoboronexport will feature the state-of-the-art S-400 Triumf and S-350E Vityaz air defense systems, modern aircraft and helicopters and aerial weapons at the Airshow China 2022, the company's press office said on Monday. The airshow will be held on November 8-13 in Zhuhai, China, the press office said. "This year we will showcase in Zhuhai the best and latest products from Russian aircraft and helicopter manufacturers, effective weapons, air and missile defense solutions," the press office quoted Rosoboronexport CEO Alexander Mikheyev as saying.

<https://tass.com/defense/1533027>

Russia's latest nuclear-powered strategic sub wraps up all rounds of testing

Russian News Agency, November 07, 2022

The latest strategic nuclear-powered submarine Generalissimus Suvorov has concluded all rounds of testing in the White Sea, Sevmash Shipyard CEO Mikhail Budnichenko said on Monday. "The Shipyard's delivery team and the ship's crew have practiced the assignments in full. The Generalissimus Suvorov has completed all the stages of trials, making several deployments to the sea. The ship's systems have been tested in various modes," the chief executive said. The latest nuclear-powered submarine is now being prepared for delivery to the Russian Navy, he added.

<https://tass.com/defense/1533299>

Kakhovka Dam in Moscow-Occupied Ukraine 'Damaged' by Kyiv Strike

The Moscow Times, November 07, 2022

Emergency services in Moscow-occupied Ukraine said Sunday the key Kakhovka

dam in the Russian-controlled region of Kherson was “damaged” by a Ukrainian strike, Russian news agencies reported. “Today at 10:00 there was a hit of six HIMARS rockets. Air defense units shot down five missiles, one hit a lock of the Kakhovka dam, which was damaged,” Russian agencies quoted local emergency services as saying. Ukraine has in recent weeks warned that Moscow forces intended to blow up the strategic facility to cause flooding.

<https://www.themoscowtimes.com/2022/11/06/kakhovka-dam-in-moscow-occupied-ukraine-damaged-by-kyiv-strike-russian-agencies-a79300>

After Mobilization, the Kremlin Is Turning to ‘Dirty Bomb’ Diplomacy

The Moscow Times, November 07, 2022

Russia has ramped up the claim, internationally and domestically, that Ukraine is preparing to use a ‘dirty bomb’. This is a major escalation of military diplomacy and rhetoric. Will battlefield escalation follow? On Oct. 23, Defense Minister Sergei Shoigu phoned his French, Turkish, British and American counterparts, in that order, to warn that Ukraine was planning to use a dirty bomb on its own territory. The next day, Chief of General Staff Valery Gerasimov repeated this to his U.S. counterpart, General Mark Milley. The claim is unfounded and Russia has provided no evidence to support it.

<https://www.themoscowtimes.com/2022/11/07/after-mobilization-the-kremlin-is-turning-to-dirty-bomb-diplomacy-a79284>

Elite Russian Marine Unit Slams Military Leaders for ‘Baffling’ Battle Losses

The Moscow Times, November 07, 2022

An elite Russian naval infantry unit has blasted its superiors’ decision-making after suffering massive losses in what its members called a “baffling” assault on an eastern Ukrainian village, pro-war reporters said Sunday. Russian forces launched an

offensive on the Ukrainian garrison in Pavlivka southwest of Donetsk on Nov. 2 to seize control of a key supply route, the Ukrainian military and pro-Russian officials have said. Four days later, the 155th Guards Naval Infantry Brigade blamed its military leaders for the loss of 300 men in a letter to the governor of their home region in the Far East.

<https://www.themoscowtimes.com/2022/11/07/elite-russian-marine-unit-slams-military-leaders-for-baffling-battle-losses-a79303>

Russian troops slam generals over ‘incomprehensible battle’ that reportedly killed 300 in Donetsk

CNN, November 08, 2022

Russian troops have denounced an “incomprehensible battle” in Donetsk after apparently sustaining heavy losses during a week of intense fighting in the key eastern region of Ukraine. Moscow has been trying to break through Kyiv’s defenses around the town of Pavlivka for at least the past seven days, but it seems to have made little progress with as many as 300 men killed in action, according to an open letter published on a prominent Russian military blog on Monday.

<https://edition.cnn.com/2022/11/08/europe/russia-ukraine-donetsk-heavy-losses-letter-intl/index.html>

How Many nuclear weapons Does Russia Have As of 2022?

Sputnik International, November 08, 2022

Last month, the Russian Foreign Ministry responded to the West’s bellicose rhetoric related to weapons of mass destruction by emphasizing that Moscow does not threaten anyone with nuclear weapons. Here’s an insight into Russia’s current nuclear arsenal.

<https://sputniknews.com/20221108/how-many-nuclear-weapons-does-russia-have-as-of-2022-1103892282.html>

Russian navy seen preparing for possible test of nuclear-powered torpedo

CNN, November 08, 2022

The US observed Russian naval vessels preparing for a possible test of a new nuclear-powered torpedo in recent weeks, a senior US official with direct knowledge told CNN.

<https://edition.cnn.com/videos/world/2022/11/10/russia-possible-nuclear-powered-torpedo-test-nr-vpx.cnn>

Over 1,000 Foreign Mercenaries Fight on Kiev's Side in Zaporozhye City - Local Official

Sputnik International, November 09, 2022

The number of foreign mercenaries fighting on Ukraine's side in the city of Zaporozhye has already exceeded 1,000 people, Vladimir Rogov, a member of the main council of the Zaporozhye regional administration, said on Wednesday. "The number in the calibrated foreign legion is no longer estimated at hundreds, it has already exceeded a thousand [mercenaries] in the city itself," Rogov said in a televised appearance on Russian broadcaster Zvezda.

<https://sputniknews.com/20221109/over-1000-foreign-mercenaries-fight-on-kievs-side-in-zaporozhye-city-local-official-1103955696.html>

US observed Russian navy preparing for possible test of nuclear-powered torpedo

CNN, November 10, 2022

The US observed Russian naval vessels preparing for a possible test of a new nuclear-powered torpedo in recent weeks, a senior US official with direct knowledge told CNN. Among the vessels which took part in the preparations was the Belgorod, a cruise missile submarine modified for special operations that is able to launch unmanned underwater vehicles including the Poseidon torpedo. In the last week, the vessels were observed leaving the testing area in the Arctic Sea and heading back to

port without carrying out a test. The US believes the Russians may have encountered technical difficulties.

<https://edition.cnn.com/2022/11/10/politics/us-russia-possible-torpedo-test/index.html>

Russian Defense Ministry Says Retreat From Kherson Has Begun

The Moscow Times, November 10, 2022

The Russian Defense Ministry said Thursday that it had begun to pull its troops back across the Dnipro River in southern Ukraine's Kherson region, a day after it announced its troops would withdraw under increasing Ukrainian pressure. "Units of the Russian grouping of troops are maneuvering to readied positions on the left bank of the Dnipro River, in strict accordance with the approved plan," Russian Defense Ministry spokesman Igor Konashenkov said in a daily press briefing. The Defense Ministry announced it would move thousands of troops to the left bank of the Dnipro on Wednesday, as advancing Ukrainian military counteroffensives rendered Russian positions in the region's capital city Kherson untenable.

<https://www.themoscowtimes.com/2022/11/10/russian-defense-ministry-announces-retreat-from-kherson-has-begun-a79340>

Russia Quietly Inspecting Soviet-Era Bomb Shelters Nationwide

The Moscow Times, November 11, 2022

Russian authorities have quietly launched inspections, repairs and cleanups of bomb shelters nationwide that have laid dormant since the end of the Cold War, Bloomberg reported Thursday, citing unnamed sources familiar with the efforts. The unannounced campaign for state workers to check Soviet-era basement shelters in apartment buildings, schools and government offices alongside other protected areas is not motivated by specific threats or plans to use Russia's civil defense infrastructure, the people were cited as saying. But it reflects the Kremlin's existential view of the war and its broader

militarization of society as the invasion of Ukraine nears the nine-month mark, Bloomberg said.

<https://www.themoscowtimes.com/2022/11/11/russia-quietly-inspecting-soviet-era-bomb-shelters-nationwide-bloomberg-a79350>

Russia's Wagner Mercenary Group Announces Border Militia Plan

The Moscow Times, November 11, 2022

The head of Russia's Wagner mercenary group, Yevgeny Prigozhin, said on Friday that his organization had started training civilians in Russian regions bordering Ukraine to form a militia and build fortifications. "Wagner is helping and will keep helping the population in border areas to learn how to build engineering structures, to train and to organize a militia," Prigozhin was quoted as saying by the press service of his company Concord. He said that "a huge number of people are already ready to defend their land." Prigozhin said Wagner's main aim was to start building fortifications and training schools in the Belgorod and Kursk regions, which have regularly come under fire in recent months in attacks blamed by Moscow on the Ukrainian army.

<https://www.themoscowtimes.com/2022/11/11/russias-wagner-mercenary-group-announces-border-militia-plan-a79355>

Russian-US Meeting on New START to Be Held in November-December: Senior Diplomat

Sputnik International, November 11, 2022

The Russian-US bilateral consultative commission on the Strategic Arms Reduction Treaty (New START) will meet in Cairo in late November-early December, with the resumption of inspections to be on the agenda of the talks, Russian Deputy Foreign Minister Sergey Ryabkov told Sputnik. "Yes, I can confirm it. This information [about the meeting in Cairo] is true. A face-to-face meeting of the bilateral consultative commission will take place after a long break caused by the COVID-19 restrictions. It will last about a week — from

late November to the first days of December," Ryabkov said.

<https://sputniknews.com/20221111/russian-us-meeting-on-new-start-to-be-held-in-november-december-senior-diplomat-1104011502.html>

NATO Cannot Exist Without Enemy, Russian Deputy Foreign Minister Says

Sputnik International, November 14, 2022

Russian Deputy Foreign Minister Alexander Grushko told Sputnik on Monday that NATO was an organization that could not exist without an enemy. "NATO is such an organization that cannot live without an enemy. Without an enemy it will die. The most important [for it] is to create an image of the enemy and moving toward borders of this potential enemy", Grushko said.

<https://sputniknews.com/20221114/nato-cannot-exist-without-enemy-russian-deputy-foreign-minister-says-1104088271.html>

Russia may carry out another test launch of Sarmat ICBM later this year

Russian News Agency, November 08, 2022

Russia may conduct a second test launch of its newest Sarmat intercontinental ballistic missile before the end of 2022, an official close to the country's Defense Ministry told TASS. "The flight-design tests of the Sarmat [ICBM] may continue before the end of this year with a second test launch to be potentially carried out," the official said.

<https://tass.com/defense/1533427>

Russian Aerospace Forces down Ukrainian Mi-24 helicopter in Kherson area

Russian News Agency, November 08, 2022

Fighter aircraft of the Russian Aerospace Forces shot down a Mi-24 attack helicopter of the Ukrainian Air Force in the Kherson Region in the past day, Defense Ministry

Spokesman Lieutenant-General Igor Konashenkov reported on Tuesday. "Fighter aircraft of the Russian Aerospace Forces shot down a Mi-24 helicopter of the Ukrainian Air Force near the settlement of Novovoskresenskoye in the Kherson Region," the spokesman said at a press briefing on the special military operation in Ukraine.

<https://tass.com/defense/1533727>

Russians being prepared for nuclear war, Zelensky warns

Independent, November 08, 2022

Officials in Moscow have started to prepare citizens for the possible use of nuclear weapons in seized areas of Ukraine, according to president Volodymyr Zelensky. "They begin to prepare their society. That's very dangerous," he said. Russian president Vladimir Putin has threatened to use "all the means at our disposal" to defend what he sees as his country's territory, including the four areas of Ukraine annexed last week.

<https://www.independent.co.uk/news/world/europe/russia-nuclear-weapons-ukraine-war-zelensky-b2198136.html>

Russian air defenses down Su-25 attack aircraft, intercept 17 rockets in Ukraine operation

Russian News Agency, November 08, 2022

Russian air defense forces shot down a Ukrainian Su-25 ground attack aircraft and intercepted 17 HIMARS and Olkha rockets in the past day in the special military operation in Ukraine, Defense Ministry Spokesman Lieutenant-General Igor Konashenkov reported on Tuesday. "Air defense capabilities shot down a Su-25 plane of the Ukrainian Air Force in the area of the settlement of Ugledar in the Donetsk People's Republic. In addition, they intercepted 17 rockets of HIMARS and Olkha multiple launch rocket systems in the areas of the settlements of Gruzsko-Lomovka in the Donetsk People's Republic, Antonovka,

Chernobayevka, Krynki and Maslovka in the Kherson Region," the spokesman said.

<https://tass.com/defense/1533739>

Defense chief inspects command post of Russian troops in Ukraine special operation zone

Russian News Agency, November 08, 2022

Russian Defense Minister Army General Sergey Shoigu inspected the command post of the Integrated Group of Forces in the zone of the special military operation in Ukraine, Russia's Defense Ministry reported on Tuesday. "Defense Minister of the Russian Federation Army General Sergey Shoigu inspected the command post of the Integrated Group of Russian Troops (Forces) accomplishing the assignments of the special military operation in Ukraine," the ministry said in a statement.

<https://tass.com/defense/1533833>

Russian Guardsmen destroy workshop repairing boats for Ukrainian assault force

Russian News Agency, November 10, 2022

The Russian National Guard's artillery destroyed a workshop in the Energodar area that repaired boats for delivering Ukrainian assault groups to the left bank of the Kakhovka reservoir, the Guard's press office reported on Thursday. "In the Energodar direction, 17 targets were hit and a boat repair workshop used by the enemy to relocate assault forces to the left bank of the Kakhovka reservoir was destroyed," the press office said.

<https://tass.com/defense/1534629>

Russian air defenses down over 20 HIMARS, Olkha rockets in Ukraine operation

Russian News Agency, November 10, 2022

Russian air defense forces shot down nine Ukrainian unmanned aerial vehicles and

intercepted over 20 HIMARS and Olkha rockets and three HARM anti-radar missiles in the past day in the special military operation in Ukraine, Defense Ministry Spokesman Lieutenant-General Igor Konashenkov reported on Thursday. "In the past 24 hours, air defense capabilities shot down nine unmanned aerial vehicles in the areas of the communities of Golikovo and Chervonopopovka in the Lugansk People's Republic, Kirillovka, Yegorovka and Novoandreyevka in the Donetsk People's Republic, Vasilyevka in the Zaporozhye Region, Vesolyoye and Krynki in the Kherson Region," the spokesman said.

<https://tass.com/defense/1534823>

CSTO Military Committee to meet in first half of 2023 in Belarus

Russian News Agency, November 10, 2022

A regular meeting of the Military Committee of the Collective Security Treaty Organization (CSTO) will be held during the first half of 2023 in Belarus, the CSTO press service reported on Thursday. "The next meeting of the Military Committee is planned to be held in the first half of 2023 in the Republic of Belarus," the press service said. It also pointed out that this past Thursday's 21st meeting of the Military Committee on the development of military cooperation of the CSTO tackled the challenges and threats to military security in the regions of the organization's collective security, as well as measures to counter them.

<https://tass.com/defense/1534843>

Algerian chief of staff, Russian state arms seller's head discuss defense cooperation

Russian News Agency, November 10, 2022

Chief of Staff of the Algerian People's National Army Said Chengriha received Director of Russia's Federal Service for Military and Technical Cooperation Dmitry Shugayev in Algeria's capital of Algiers, the North African country's Ministry of National Defense said in a statement. "As part of efforts to implement the Algerian-Russian

program of bilateral defense cooperation, the chief of staff of the People's National Army, Army General Said Chengriha, received Director of Russia's Federal Service for Military and Technical Cooperation Dmitry Shugayev at the People's National Army's headquarters today," the statement reads.

<https://tass.com/defense/1534943>

Russian army thwarts attack by Kiev's troops, Polish mercenaries near Krasny Liman

Russian News Agency, November 11, 2022

The Russian army has thwarted an attack by two mechanized infantry companies of Ukraine's armed forces, reinforced by Polish mercenaries, near Krasny Liman, Russian Defense Ministry spokesman Igor Konashenkov has said. "In the Krasny Liman area, resolute action by Russian troops and preemptive artillery fire thwarted an attack by two mechanized infantry companies of Ukraine's armed forces and Polish mercenaries towards Chervonopopovka and Ploschanka, the Lugansk People's Republic," Konashenkov said.

<https://tass.com/defense/1535297>

Weapons cache intended for terror attacks found in LPR

Russian News Agency, November 11, 2022

A cache holding weapons meant for staging terror attacks has been found in the Lugansk People's Republic (LPR), a spokesman for the LPR's law enforcement agencies told TASS on Friday. "In one LPR district, Russian security services have found a cache with munitions Ukrainian saboteurs planned to use to stage terror attacks in northern areas of the LPR," the spokesman said, adding that the hiding place held 43 shells for RPG-7 grenade launchers, charges of gunpowder and munitions of various caliber, and 61 antitank mine detonators.

<https://tass.com/defense/1535445>

Russia's nuclear-powered torpedo 'failed test on technical issues'

The Times, November 11, 2022

Russia's test of a nuclear-powered torpedo capable of carrying an atomic warhead 100 times more powerful than the Hiroshima bomb failed after suffering technical difficulties, US intelligence officials believe. The Poseidon torpedo, which President Putin unveiled in 2018 as an "innovative new weapon", was due to have been tested from the 30,000-ton Russian submarine Belgorod, in the Arctic.

<https://www.thetimes.co.uk/article/russias-nuclear-powered-torpedo-failed-test-on-technical-issues-6x8lff29k>

Russia's withdrawal from Kherson is a humiliating setback. Here's what it means for the war

CNN, November 11, 2022

Scenes of jubilation broke out in Ukraine's southern Kherson city on Friday as Ukrainian forces advanced through much of the city and its surrounding area, apparently encountering little or no resistance as they regained the only regional capital captured by Russia this year. Russian forces have retreated to the east bank of the Dnipro River, which cleaves through the wider region, also called Kherson, that was annexed by Russia in September in violation of international laws.

<https://edition.cnn.com/2022/11/11/europe/ukraine-russia-kherson-dnipro-explainer-intl/index.html>

IT army of 250,000 operated against Russia at peak of cyberattacks — Rostelecom Solar

Russian News Agency, November 11, 2022

When cyberattacks against Russia, underway since the beginning of the special military operation in Ukraine, peaked, a whole 250,000-strong army of IT specialists was involved in them, the chief of the department for international development

at Rostelecom Solar (a national provider of cybersecurity services) Oleg Slepov said on Friday. "I would like to briefly dwell on the experience that we gained during the last months of the confrontation. It all began with massive DDoS attacks on Russian information resources. In intensity, these attacks surpassed all that had been observed before February 24.

<https://tass.com/defense/1535495>

Additional contract signed on production of Tsirkon hypersonic missiles

Russian News Agency, November 12, 2022

Russia's Defense Ministry ordered an additional batch of cutting-edge Tsirkon hypersonic missiles, a source close to the military agency told TASS. "As reported earlier, the first contract to produce a batch of Tsirkons was signed in the summer of 2021. An additional contract - this fall," the source said without indicating the exact date. According to the source, the additional contract involves several dozen missiles and should be completed in 2023. TASS has no official confirmation of the information provided by the source yet.

<https://tass.com/russia/1535611>

Asia, Middle East interested in Russian LPD drone jammers — manufacturer

Russian News Agency, November 12, 2022

Asian and Middle Eastern countries are displaying great interest in Russian-made LPD drone jammers, the PPSH Laboratory, the developer of the system, told TASS. "Currently, active interest in LPD-series products has been displayed by Asian and Middle Eastern states," the company said. Earlier, the manufacturer told TASS about the trials of its new LPD-802 anti-drone gun modification capable of suppressing American UAVs. The new system is an upgraded version of the LPD-801 drone jammer. TASS reported in July that the LPD-801 anti-drone gun had been used

against Ukrainian small-size UAVs in Russia's special military operation in Ukraine.

<https://tass.com/russia/1535625>

Russian troops repel two Ukrainian attacks in Kupyansk direction – top brass

Russian News Agency, November 13, 2022

The Russian armed forces have repelled two Ukrainian attacks in the Kupyansk direction, the enemy lost up to 110 people, Russian Defense Ministry Spokesman Lieutenant General Igor Konashenkov told reporters on Sunday. "In the Kupyansk direction, the enemy with the forces of two tactical groups reinforced by nationalists made two unsuccessful attempts to attack Russian troops in the direction of the village of Novoselovskoye in the Lugansk People's Republic. As a result of artillery and army aviation strikes, the Ukrainian units suffered heavy losses and were pushed back to their initial positions," he said.

<https://tass.com/defense/1535855>

Russian troops push Ukraine back to starting line in Krasny Liman direction

Russian News Agency, November 13, 2022

The Russian Aerospace Forces have stopped Ukrainian units two kilometers from the defense front line and pushed them back to the starting line in the Krasny Liman direction, Russian Defense Ministry Spokesman Lieutenant General Igor Konashenkov told reporters on Sunday. "In the Krasny Liman direction, two Ukrainian attacks <...> in the direction of the Makeyevka settlement of the Lugansk People's Republic were repelled by Russian troops. The Russian Aerospace Forces' artillery and aviation strikes stopped the enemy two kilometers from the front line of our troops' defense. The enemy suffered losses and was pushed back to the starting line," Konashenkov said.

<https://tass.com/defense/1535861>

Why is Russian President Vladimir Putin not attending G20 summit in Bali?

CNBC, November 14, 2022

Russian foreign minister Sergey Lavrov will lead the Russian delegation at the summit of leaders from the Group of 20 (G20) nations that is scheduled to be held in Bali, Indonesia, on November 15-16, AFP reported quoting Yulia Tomskaya, the embassy's chief of protocol, as saying. "President Putin's program is still being worked out, he could participate virtually," Tomskaya said.

<https://www.cnbctv18.com/world/why-is-russian-president-vladimir-putin-not-attending-g20-summit-in-bali-15159981.htm>

Microsoft blames Russian military-linked hackers for ransomware attacks in Poland and Ukraine

CNN, November 14, 2022

Hackers linked to Russia's military were very likely behind ransomware attacks last month on Ukrainian and Polish transportation and logistics organizations, Microsoft said Thursday. The revelation will raise concerns in Washington and European capitals that allies supporting Ukraine against Russia's invasion could face greater cyber threats from Moscow. Poland is a NATO member and a key conduit for supplying military aid to Ukraine.

<https://edition.cnn.com/2022/11/10/politics/microsoft-russian-linked-hackers-poland-ukraine/index.html>

C. China

First nuclear energy heating project in northeast China now in operation

Global Times, November 1, 2022

The heating project of the Hongyanhe nuclear power plant in Northeast China's Liaoning Province was officially put into

use. It's the first nuclear energy heating project in Northeast China, and it will provide clean and zero-carbon heating to local residents this winter. The project is in Hongyanhe town in Liaoning's coastal city Dalian, with a planned heating area of 242,400 square meters and a maximum heating load of 12.77 megawatts. The project extracts non-radioactive steam from the nuclear power units as the heat source, and carries out a multi-stage heat exchange through stations and finally transmits the heat to households through the municipal heating pipe network.

<https://www.globaltimes.cn/page/202211/1278469.shtml>

China Space Station's third and final module Mengtian docks with orbiting combination

Deng Xiaoci and Fan Wei

Global Times, November 1, 2022

The Mengtian lab module - the third and final part of the three-module China Space Station's basic structure - made a rendezvous and docked with the Tianhe space station core module, about 13 hours after being launched, according to the China Manned Space Agency (CMSA). The new space lab module docked with the Tianhe at the core module's forward docking port in a steady and highly precise fashion. Next, the Mengtian module will execute a transposition in orbit, and join with earlier modules - the Tianhe core module and Wentian lab module - to complete the T-shape structure for the China Space Station, read a statement the CMSA provided to the Global Times on Tuesday.

<https://www.globaltimes.cn/page/202211/1278482.shtml>

New Units at Hongyanhe Further China's Nuclear Ambition

Darrell Proctor

Power, November 1, 2022

China's nuclear power program has utilized several technologies over the years, drawing on the expertise of its own engineers and those of other nations while pursuing its

own reactor development and technology export program. The country's 14th Five-Year Plan for economic development includes government plans for at least 70 GW of nuclear power generation capacity to be installed by 2025. Part of that plan already is in operation, as Units 5 and 6, or Phase II, of the Hongyanhe Nuclear Power Station came online over the past year. Hongyanhe's six units provide a total of 6.71 GW of generation capacity, making it the largest nuclear power plant in China. The plant's two newest units are notable for their use of the ACPR-1000 reactor, which emphasizes safe performance and economic efficiency.

<https://www.powermag.com/new-units-at-hongyanhe-further-chinas-nuclear-ambition/>

Republicans slam Pentagon plan to pull permanent F-15 force from Okinawa: would send wrong signal to China

Demetri Sevastopulo

Financial Times, November 2, 2022

Republican lawmakers have criticised a plan by the Pentagon to replace F-15 fighter jets permanently based in Okinawa with a temporary rotating force, saying it would send the wrong signal to China about US deterrence. The criticism followed a report in the Financial Times that the US air force would withdraw two squadrons of F-15 Eagles from Kadena air force base in Okinawa, as part of a modernisation programme. The air force will temporarily replace the 48 F-15s with more advanced F-22 stealth fighters from Alaska, but critics have raised concern that the Pentagon has not established a long-term solution to replace the jets in Japan.

<https://www.ft.com/content/eef5faaf-cb2c-4d63-ba47-d3a772fc30eb>

China willing to boost global cooperation on nuclear power, Premier Li says

Global Times, November 2, 2022

The Chinese government firmly supports the active and orderly development of

nuclear power and vigorously promoting technological advances and industrial development in this field on the premise of ensuring absolute security, Chinese Premier Li Keqiang said in a congratulatory letter sent to the 23th Pacific Basin Nuclear Conference. Li further stressed that China is willing to work with other countries to deepen international exchanges and cooperation in nuclear power on the basis of equality and mutual benefits to facilitate the transformation of economic and social development and deliver more benefits to people of all countries, according to the Xinhua News Agency. The 23th Pacific Basin Nuclear Conference, under the theme of "Nuclear innovation for zero-carbon future," is being held in Beijing and Chengdu, Southwest China's Sichuan.

<https://www.globaltimes.cn/page/202211/1278580.shtml>

China calls for restraint in Korean Peninsula as tensions rise amid air drills, missile firing

Wang Qi

Global Times, November 2, 2022

Tensions on the Korean Peninsula situation escalated to fresh heights when North Korea reportedly launched multiple missiles after a US-South Korea military drill kicked off, with Chinese officials and experts calling for restraint, as well as dialogue and peaceful solutions to the crisis. North Korea reportedly launched the highest number of short-range missiles in a day, up to 23 as of press time. One of the short-range ballistic missiles landed close to South Korean waters for the first time since 1945, according to media reports. Chinese Foreign Ministry spokesperson Zhao Lijian said that China has been closely following the situation on the Korean Peninsula. And it serves the common interests of the region to maintain peace and stability and address each other's concerns in a balanced manner through dialogue and consultation.

<https://www.globaltimes.cn/page/202211/1278597.shtml>

US urges China nuclear talks amid concerns over its rising capabilities alongside Russia threat

Bochen Han

South China Morning Post, November 2, 2022

Amid growing unease over China's rising nuclear capabilities and a lack of bilateral dialogue, Washington is calling for talks with Beijing, concerned that for the first time in history the US will soon face two "major nuclear powers". Unsure where China is going with its nuclear arsenal, the US would "really like to have a conversation with them about each other's doctrines about crisis communication, crisis management", said Alexandra Bell, Deputy Assistant Secretary of State for arms control, verification, and compliance, speaking at an Atlantic Council event in Washington. "We've been working this issue with the Russians for 60 years. And as everyone can see, it's still quite difficult," Bell said. "We're not in that space with Beijing yet."

<https://www.scmp.com/news/china/military/article/3198072/us-urges-china-nuclear-talks-amid-concerns-over-its-rising-capabilities-alongside-russia-threat>

Chinese and North Korean threat: Japan weighs hypersonic missile deployment by 2030 to boost deterrence

Ryo Nemoto

Nikkei Asia, November 3, 2022

Japan's Defense Ministry is considering the deployment of hypersonic missiles by 2030, seeking to bolster counterstrike capabilities to deter regional threats as the war in Ukraine transforms the global security landscape. Hypersonic missiles fly at five times or more the speed of sound and on a more complex trajectory than ballistic missiles, making them difficult to shoot down. Given North Korean and Chinese advancements in missile capabilities, Japan believes it needs to be able to not only intercept incoming

projectiles, but to strike back if necessary. North Korea launched several ballistic missiles on Wednesday. China may have begun using hypersonic missiles in 2020, according to Japan's defense white paper, while Russia put them into service in 2019 and test-fired them from a submarine in 2021.

<https://asia.nikkei.com/Politics/Japan-weighs-hypersonic-missile-deployment-by-2030-to-boost-deterrence>

PLA Air Force's H-6K bomber with suspected air-launched ballistic missiles arrives at Airshow China site

Liu Xuanzun

Global Times, November 3, 2022

An H-6K bomber of the Chinese People's Liberation Army (PLA) Air Force carrying two new-type missiles arrived in Zhuhai, South China's Guangdong Province in preparation for the upcoming Airshow China 2022. Military observers said that this is the first time the bomber has displayed what seems to be its air-launched ballistic missiles to the public. The H-6K carried one such missile on each wing, according to a video report by China Central Television (CCTV). The exact type of the weapon is not yet clear, but it seems like a kind of air-to-ground missile with a design very close to a ballistic missile, the CCTV report said.

<https://www.globaltimes.cn/page/202211/1278676.shtml>

US military nuclear chief sounds the alarm about pace of China's nuclear weapons program

Ellie Kaufman and Barbara Starr

CNN, November 4, 2022

The Commander of US Strategic Command, which oversees the US nuclear weapons program, warned that China is developing nuclear weapons much faster than the US and called the issue a "near-term problem," during a speech at a closed event. While Pentagon officials have been sounding the alarm about China's military buildup and development of nuclear weapons for years,

Richard's comments paint the situation as more dire than other officials have stated publicly. "As I assess our level of deterrence against China, the ship is slowly sinking," Adm. Charles Richard said. "It is sinking slowly, but it is sinking, as fundamentally they are putting capability in the field faster than we are."

<https://edition.cnn.com/2022/11/04/politics/us-china-nuclear-weapons-warning/index.html>

China's Xi warns Putin not to use nuclear arms in Ukraine

Stuart Lau

Politico, November 4, 2022

Chinese leader Xi Jinping made his most direct criticism yet of Vladimir Putin's war on Ukraine on Friday, warning the Russian president not to resort to nuclear weapons and calling on visiting German Chancellor Olaf Scholz to push for peace talks. Xi's warning comes just over a month after Putin threatened Ukraine with a nuclear attack, a sign of how far Ukrainian forces had rocked the Kremlin with their advances against invaders in the East. The international community, said Xi, should "jointly oppose the use of, or threats to use, nuclear weapons," according to a statement carried by Xinhua, China's state news agency. The world should also "advocate that nuclear weapons cannot be used, a nuclear war cannot be waged, in order to prevent a nuclear crisis" in Europe or Asia, Xi added.

<https://www.politico.eu/article/china-xi-jinping-warns-vladimir-putin-not-to-use-nuclear-arms-in-ukraine-olaf-scholz-germany-peace-talks/>

All BDS-3 satellites working well, contributing to top-class navigation system with unique advantages: white paper

Fan Anqi

Global Times, November 4, 2022

The China-developed BeiDou Navigation Satellite System (BDS) has become a top-class system with cutting-edge technologies and powerful functions,

according to a white paper. China is ready to share its achievements in developing the BDS and provide services to all other countries, it said. Titled "China's BeiDou Navigation Satellite System in the New Era," the white paper published by the State Council Information Office introduced how China plans to further refine the system by improving its operation management, developing BDS-based applications, and upgrading its governance in the coming years. The 30 in-orbit satellites of the third-generation series of the BeiDou system, or BDS-3, which officially joined commissioning in July 2020, are in good operating condition, Ran Chengqi, spokesperson for the system, said at the press conference.

<https://www.globaltimes.cn/page/202211/1278740.shtml>

Scholz says Xi agrees nuclear threats over Ukraine are 'irresponsible'

Guy Chazan and Edward White

Financial Times, November 4, 2022

Olaf Scholz, the German chancellor, said that he and China's president Xi Jinping had agreed during talks in Beijing that nuclear threats over the war in Ukraine were "irresponsible and extremely dangerous". Russian president Vladimir Putin has made repeated warnings about using nuclear weapons as his eight-month invasion of Ukraine falters, part of a strategy western officials say is designed to deter military aid to Kyiv. Scholz told reporters she was "glad" that Xi had "reached an understanding... that there can be no escalation through the use of tactical nuclear weapons". "Everyone here in China knows that an escalation of the war would have consequences for us all," he added.

<https://www.ft.com/content/66a8aa7b-b7a1-48f2-b893-9716dec8efce>

Rocket debris from Mengtian launch falling on Earth an intl norm,

chance of causing harm extremely low: Chinese FM

Global Times, November 4, 2022

With many across the world still immersed in the excitement over the epic launch of the third and final part of China's Space Station - the Mengtian lab module - some in the West have once again begun their hyping of the launch vehicle's falling debris, claiming it is falling back to Earth "uncontrollably." Responding to such hyping, Chinese Foreign Ministry spokesperson Zhao Lijian said that it has been an international norm for a rocket end stage to fall back to Earth's atmosphere, and the probability of this process causing harm to aviation activities or to the ground is extremely low. China has always pursued the peaceful use of outer space in accordance with international law and international customary practice, Zhao noted at press briefing.

<https://www.globaltimes.cn/page/202211/1278758.shtml>

Xi urges Ukraine peace talks, warns against nuclear crisis in Eurasia in meeting with Scholz

Global Times, November 5, 2022

Chinese President Xi Jinping reaffirmed China's support for Germany and Europe playing an important role in facilitating peace talks on the Ukraine crisis and building a balanced, effective and sustainable security architecture in Europe when he met with German Chancellor Olaf Scholz. Under the current circumstances, the international community should: support all efforts conducive to the peaceful settlement of the Ukraine crisis and call on relevant parties to remain rational and exercise restraint, start direct engagement as quickly as possible, and create conditions for the resumption of talks, according to the meeting, Xi said. The international community should also oppose the threat or use of nuclear weapons, advocate that

nuclear weapons cannot be used and that nuclear wars must not be fought, and prevent a nuclear crisis in Eurasia, Xi noted.

<https://www.globaltimes.cn/page/202211/1278765.shtml>

New anti-drone defense system to debut at Airshow China, offering smart and effective solutions to unmanned modern warfare

Deng Xiaoci and Fan Wei

Global Times, November 6, 2022

In response to new challenges in the modern warfare brought by drones with low flight altitude, slow flight speed and small radar reflection area, China has come up with a new indigenous air defense system and put it on display at the upcoming 14th China International Aviation and Aerospace Exhibition in Zhuhai, South China's Guangdong Province. The new system was designed and developed by the Second Academy of the China Aerospace Science and Industry Corporation (CASIC), the country's largest air-space missile manufacturer. With the HQ-17AE short-range air defense missile weapon system at its core, the new system is projected to make its debut at this year's exhibition, also known as the Airshow China. "The rise of 'low, slow and small drones' with rather agile applications on the battlefield has transformed the landscape of warfare, which tends to achieve surprisingly good strike effects," Wang Wengang, the spokesperson with the CASIC Second Academy, told the Global Times.

<https://www.globaltimes.cn/page/202211/1278800.shtml>

India prohibits Chinese research vessel from entering economic zone, 'will harm rebuilding of trust': experts

Fan Anqi

Global Times, November 7, 2022

The Indian Navy is reportedly planning to stop China's Yuan Wang 6, a research and

survey vessel, from entering the country's Exclusive Economic Zone, claiming that the vessel is a "spy ship" sent to the Indian Ocean Region to track India's missile tests. The move is seen by experts as hindering the rebuilding of mutual trust after years of standoff in the countries' border regions. Some Indian media reports over the weekend claimed that China's Yuan Wang 6 entered the Indian Ocean region via the Lombok Straits, and was out to monitor India's scheduled ballistic missile launches off the coast of APJ Kalam Island this month. While foreign vessels, including warships, can freely sail through the economic zone, Indian law forbids any survey, research or exploration there by a foreign nation without permission, local media Economic Times reported.

<https://www.globaltimes.cn/page/202211/1278936.shtml>

China's J-20 fighter jet to keep receiving upgrades: designer

Liu Xuanzun and Fan Wei in Zhuhai

Global Times, November 7, 2022

China will continue to upgrade the J-20 stealth fighter jet, including deploying the latest artificial intelligence (AI) and cognitive technologies, to make it perform at its best in a combat system, announced the aircraft's chief designer, who also said that the country's warplane makers are well aware of what military enthusiasts want to see. Yang Wei, chief designer of J-20, made the remarks at a press conference held by the state-owned Aviation Industry Corp of China (AVIC) in Zhuhai, South China's Guangdong Province, a day ahead of the start of the Airshow China 2022. It is AVIC's duty to surpass others in terms of equipment and technologies, Yang said. "When it comes to the future development of China's aviation industry, I think people all know what the country is in need of.

<https://www.globaltimes.cn/page/202211/1278912.shtml>

China displays next-generation manned rocket for moon landing at Airshow China; craft projected to be maiden flight-ready by 2027

Deng Xiaoci, Fan Wei and Cao Siqi

Global Times, November 8, 2022

While the US NASA is targeting November 14 for the yet another launch attempt for the repeatedly scrubbed Artemis I - the inaugural flight of its ambitious moon and eventually Mars crewed landing, China is showcasing the model of the country's own new-generation manned launch vehicle at the 14th China International Aviation and Aerospace Exhibition in Zhuhai, South China's Guangdong Province with good news on the launcher's latest development. The model of the in-development launcher is standing tall at the China Aerospace Science and Technology Corp (CASC) exhibition area.

<https://www.globaltimes.cn/page/202211/1279010.shtml>

Advanced aircraft, menacing missiles – China's top air show sends a warning to the US

Minnie Chan and Zhang Tong

South China Morning Post, November 8, 2022

An anti-ship hypersonic missile made its public debut as China showcased its latest collection of warplanes and cutting-edge weapons during the opening of its leading air show. The missile is an export version of China's YJ-21, also known as the Eagle Strike 21 air-launched ballistic missile, which has a combat range of more than 2,000km (1,240 miles). Military experts said the weapon's appearance at the 14th China International Aviation and Aerospace Exhibition, or Airshow China, could be seen as a warning to the United States on Taiwan. Two missiles sporting the designation "2PZD-21" were seen mounted under the wings of an H-6K strategic bomber that landed at Jinwan airport in Zhuhai, the southern coastal city where the biennial air show is being held.

<https://www.scmp.com/news/china/military/article/3198918/advanced-aircraft-menacing-missiles-chinas-top-air-show-sends-warning-us>

Wuzhen summit kicks off with glaring tech display and focus on building a community with a shared future in cyberspace

Xie Jun and Chi Jingyi

Global Times, November 9, 2022

China kicked off the 2022 World Internet Conference (WIC) Wuzhen Summit in the water town of Wuzhen, East China's Zhejiang Province, as delegates from China's most renowned internet companies and executives from overseas cyber firms gathered again to discuss key topics related to the online industry such as cyberspace governance and industrial digitalization. With the on-site display of tech-backed interactive games and eye-catching technologies, multiple sub forums and a focus on building a community with a shared future in cyberspace, this year's Wuzhen Summit has a lot of familiarities with last year's. But many new highlights are also turning up, such as rising number of applicants and a first-ever cloud exhibition hall for presentation of exhibits all year around, reflecting the growing influence of the summit or, more generally, China's internet industry in the world. Chinese President Xi Jinping sent a congratulatory letter to the summit.

<https://www.globaltimes.cn/page/202211/1279131.shtml>

Taiwan rallies drone makers to prepare military for China threat

Kathrin Hille

Financial Times, November 9, 2022

Taiwan is attempting to build a domestic supply chain within a year for drones that its military could use in a war with China. The strategy is part of President Tsai Ing-wen's effort to make the armed forces focus on an increasingly pressing threat from Beijing, whose regular long-range military drone missions against Taiwan since August have given her push greater impetus. China claims Taiwan as part of its territory, and President Xi Jinping vowed last month to "never renounce the

use of force” to bring the country under Beijing’s control.

<https://www.ft.com/content/ec221278-127e-40d4-859e-9f2408bf3f7e>

US hypocritical to worry about nuclear war while fueling proliferation

Global Times, November 9, 2022

The US and Russia have agreed to hold talks on resuming inspections under the New START nuclear arms reduction treaty in the near future, according to US State Department spokesperson Ned Price. The treaty is the single existing one between the two major powers which limits all deployed intercontinental-range nuclear weapons by the two. In August this year, Russia temporarily suspended on-site US inspections of its strategic nuclear weapons, citing reasons that US sanctions imposed on Russia over Ukraine had changed conditions between the countries. The US is the largest nuclear power in the world and should bear the main responsibility for nuclear non-proliferation. Since it often touts about the West-centric world order, it should bear its due share of responsibility when enjoying the power brought about by that order.

<https://www.globaltimes.cn/page/202211/1279150.shtml>

China displays powerful space monitoring radar for first time at Airshow China

Cao Siqi, Liu Xuanzun and Ma Jun in Zhuhai

Global Times, November 10, 2022

China’s leading radar developer exhibited a giant space monitoring radar, which is believed to be the “most powerful radar,” at this year’s Airshow China. It’s about 10 meters high, and it attracted wide attention not only from military enthusiasts but also from foreign visitors. Standing out in the pavilion and recognizable for its huge and spectacular array of antennas, the SLC-18 space surveillance active phased array radar, developed by the No.14 Research Institute of CETC (China Electronics Technology

Group Corp), was exhibited for the first time. With the development of low-Earth orbit (LEO) satellite technology, satellites mainly used for information collection and battlefield reconnaissance have gradually become core equipment for modern, powerful countries to obtain remote information.

<https://www.globaltimes.cn/page/202211/1279233.shtml>

China unveils ‘drone killer’ laser weapon at Airshow China, can shoot down target at low cost

Cao Siqi, Liu Xuanzun and Fan Wei in Zhuhai

Global Times, November 11, 2022

A laser weapon used against drones attracted wide attention at this year’s Airshow China. Dubbed the killer of UAVs, the weapon can launch effective strikes on low, slow and small (LSS) targets, which refer to those that fly below an altitude of one kilometer, at speeds of around 200 kilometers per hour and have a radar cross-section smaller than one square meter. The weapon also reminded many military fans of a similar weapon that Saudi Arabia announced at the first Arab World Defense Exhibition on March 6 it had purchased from China: the “Silent Hunter” laser air defense system. The vehicle-based laser weapon, called the LW-30 laser defense weapon system, was unveiled by the China Space Sanjiang Group under the China Aerospace Science and Industry Corporation (CASIC), one of China’s largest missile manufacturers.

<https://www.globaltimes.cn/page/202211/1279311.shtml>

High hopes of China’s H-20 stealth bomber launch as PLA top brass vow weapon system upgrades

Minnie Chan

South China Morning Post, November 11, 2022

The People’s Liberation Army will continue to upgrade its weapon systems to meet

President Xi Jinping's call to build a "strong system of strategic deterrence", air force top brass pledged at China's biggest air show. This comes as all eyes are on the PLA's plans to launch its H-20 new generation stealth bomber, seen as China's answer to the B-21 Raider – the US military's most advanced strategic bomber expected to roll out next month. In response to media queries on a possible timeline for the H-20, PLA Air Force deputy commander Lieutenant General Jia Zhigang said: "The air force should beef up its combat capabilities in both defensive and offensive air space operations ... in response to the goal of establishing a strong system of strategic deterrence as presented in the 20th party congress report [delivered by Xi]."

<https://www.scmp.com/news/china/military/article/3199354/high-hopes-chinas-h-20-stealth-bomber-launch-pla-top-brass-vow-weapon-system-upgrades>

U.S. nuclear bombers find home in Australia as China tensions rise

JJ Rose

Nikkei Asia, November 12, 2022

A small airfield in northern Australia is slated to permanently host a fleet of U.S. B-52 bombers as part of an agreement between Washington and Canberra to prepare for the possibility of war over Taiwan. The deal will see a deployment of up to six nuclear-capable aircraft, putting them within striking distance of a Pacific theater should war with China break out. A \$1 billion upgrade of the Royal Australian Air Force's Tindal base south of Darwin is already underway. The imminent arrival of the aircraft was revealed in an investigation aired on Australian state TV before either government could formally announce it. U.S. tender documents obtained by the Four Corners television program reveal plans to construct "an aircraft parking apron to accommodate six B-52s" at the base. A U.S. Air Force "squadron operations facility" is also planned, along with fuel storage tanks and an ordnance bunker.

<https://asia.nikkei.com/Politics/International-relations/Indo-Pacific/U.S.-nuclear-bombers-find-home-in-Australia-as-China-tensions-rise>

China's cargo craft Tianzhou-5 docks with space station combination

Global Times, November 12, 2022

China's cargo spacecraft Tianzhou-5, delivering supplies for the space station, successfully completed its status setting and docked with the combination of the country's space station on Saturday, according to the China Manned Space Agency (CMSA). At 12:10 pm (Beijing Time), Tianzhou-5 conducted a fast automated rendezvous and docking at the rear docking port of the space station's core module Tianhe, the CMSA said. This is the first time that Chinese astronauts witness the arrival of a cargo craft in the country's space station.

<https://www.globaltimes.cn/page/202211/1279339.shtml>

Chinese test pilots pave way for development of latest PLA warplanes

Minnie Chan

South China Morning Post, November 12, 2022

People's Liberation Army Air Force pilots showed off China's aviation superiority muscle at the Zhuhai air show in Guangdong province this week, with demonstration flights by the J-20 Mighty Dragon stealth jet fighter, Y-20 heavy lifter, Z-20 helicopter, H-6K strategic bomber and J-16D electronic warfare plane. Defence experts said the development of such aircraft would not have been possible without input from the air force's death-defying test pilots, and a decision made nearly two decades ago to adopt an experimental flight test training system pioneered by the United States. China's aircraft development programme reached a milestone in 1998 when state-owned Chengdu Aircraft Industry Group launched the J-10, its domestically developed fourth-generation jet fighter.

<https://www.scmp.com/news/china/military/article/3199109/chinese-test-pilots-pave-way-development-latest-pla-warplanes>

Shenzhou-14 crew enters Tianzhou-5; cargo mission sets new world record for fastest rendezvous and docking operation

Deng Xiaoci

Global Times, November 13, 2022

The Shenzhou-14 crew entered the Tianzhou-5 cargo spacecraft, after they completed environment testing of the newly launched and docked spacecraft, the China Manned Space Agency (CMSA) said. The taikonauts will transfer the cargo according to schedule, the Global Times learned from the CMSA. China has just set the new world record of fastest rendezvous and docking operations between two spacecraft with its Tianzhou-5 cargo supply mission to the country's Tiangong Space Station. It was a great achievement marking that China has mastered autonomous orbit determination capability with even higher precision and improved adaptability, and signaling that the country's space rendezvous and docking technology has increasingly matured, mission insiders said.

<https://www.globaltimes.cn/page/202211/1279366.shtml>

China gives 1st close-up glimpse of cutting-edge stealth fighter

Yuri Momoi

Nikkei Asia, November 14, 2022

China's cutting-edge stealth fighter jet made its first-ever on-the-ground appearance after a demonstration flight at an air show. The Chengdu J-20 fighter jet had been shown in demonstration flights a few times before, but the appearance on the apron at the China International Aviation & Aerospace Exhibition in Zhuhai was its public debut on the ground. Nikkei recorded a video of the J-20 as its canard wings and tail units were tested before takeoff, as it taxied down the runway and while it was in flight. The J-20, a fifth-generation fighter often compared to the U.S.'s F-22 Raptor and Russia's Su-57, is capable of being refueled midair. It is believed to be capable of launching long-range cruise missiles. The

fighter was first recognized in flight in 2011, with its deployment coming by 2017.

<https://asia.nikkei.com/Business/Aerospace-Defense/China-gives-1st-close-up-glimpse-of-cutting-edge-stealth-fighter>

China Premier Li emphasised 'irresponsibility' of nuclear threats at Asia summit -U.S. official

Simon Lewis

Reuters, November 14, 2022

Chinese Premier Li Keqiang emphasised the "irresponsibility" of nuclear threats during a summit in Cambodia, suggesting Beijing is uncomfortable with strategic partner Russia's nuclear rhetoric, a senior U.S. official said. Li participated in the East Asia Summit on Sunday along with U.S. President Joe Biden. The Chinese premier "spoke rather extensively about China's policy towards Ukraine," said a senior U.S. administration official, who briefed reporters ahead of a summit between Biden and Chinese President Xi Jinping.

<https://www.reuters.com/world/china/china-premier-li-emphasised-irresponsibility-nuclear-threats-asia-summit-us-2022-11-14/>

China launches Yaogan-34 03 remote sensing satellite

CGTN, November 15, 2022

China sent a new remote sensing satellite of the Yaogan-34 series into space atop a Long March-4C carrier rocket from Jiuquan Satellite Launch Center in northwest China. The Yaogan-34 03 satellite has successfully entered its planned orbit, according to China Media Group (CMG). This satellite will be used in land resources survey, urban planning, crop yield estimation, and disaster prevention and control, among other areas. It was the 450th flight mission of the Long March carrier rocket series.

<https://news.cgtn.com/news/2022-11-15/China-launches-Yaogan-34-remote-sensing-satellite-1eYuk14sTok/index.html>

China's Xi: Nuclear wars cannot be fought in Ukraine -China foreign minister

Reuters, November 15, 2022

Chinese President Xi Jinping, discussing Ukraine with U.S. President Joe Biden during their meeting on Monday in Indonesia, said nuclear weapons cannot be used and nuclear wars cannot be fought, according to a statement by the Chinese foreign minister.

<https://www.reuters.com/world/chinas-xi-nuclear-wars-cannot-be-fought-ukraine-china-foreign-minister-2022-11-15/>

China showcases latest Hongqi missile defence systems at Zhuhai air show

Minnie Chan

South China Morning Post, November 15, 2022

The Chinese military put its latest air defence equipment on display at the country's leading air show over the weekend. Two Hongqi, or Red Flag, weapons systems designed to shoot down missiles, aircraft and drones were on show at the biannual Airshow China in Zhuhai, which finished. Military analysts said the two systems were low-cost equivalents to the American Terminal High Altitude Area Defence (THAAD) anti-missile shield and were designed for export. The first defence system, the HQ-11, was put on display by the People's Liberation Army Air Force, one of the key sponsors of the air show. The other system, the HQ-16FE operated by the PLA's ground force, has an operational range up to 160km (100 miles).

<https://www.scmp.com/news/china/military/article/3199586/china-showcases-latest-hongqi-missile-defence-systems-zhuhai-air-show>

China's Tianzhou-4 cargo craft re-enters atmosphere

Global Times, November 15, 2022

China's Tianzhou-4 cargo craft, tasked with supporting the Shenzhou-14 crewed mission, re- entered the atmosphere,

according to the China Manned Space Agency. The spacecraft re-entered the atmosphere in a controlled manner at 7:21 a.m. (Beijing Time). Most of the spacecraft burned up during the re-entry and a small amount of debris fell into the planned waters of the South Pacific. The Tianzhou-4 cargo craft was launched on May 10 from the Wenchang Spacecraft Launch Site in the southern province of Hainan, transporting about 6-tonne supplies to China's space station.

<https://www.globaltimes.cn/page/202211/1279526.shtml>

D. Pakistan

Pakistan seeks explanation from Russia on senator's nuclear claim

Business Standard, November 2, 2022

Pakistan has sought an explanation from Russia after one of its senators claimed that Pakistan and Ukraine recently discussed the technologies for developing nuclear weapons. Senator Igor Morozov, a member of the Federation Council's defence committee, claimed that Ukrainian experts travelled to Pakistan and met with a delegation to discuss nuclear weapons technology, Russia's state-owned news agency RIA Novosti reported. Morozov made the allegations during a press conference that was part of the Ukrainian dossier special project. The Foreign Office said the senator's reported statement was "without any rationale and is entirely inconsistent with the spirit of Pakistan-Russia relations. "We are surprised by such an unfounded and baseless statement," Foreign Office said in a statement late Tuesday night.

https://www.business-standard.com/article/international/pakistan-seeks-explanation-from-russia-on-senator-s-nuclear-claim-122110201203_1.html

Moscow's reservation to Pak nuclear-project dates back to Cold War period

The Economic Times, November 4, 2022

Pakistan may have reacted sharply to a Russian allegation of a collusion between

Pakistani and Ukrainian experts to develop nuclear bomb by Kiev, but Moscow has been consistent in its reservations against Islamabad's nuclear programme since the days of Soviet Union. The erstwhile Soviet Union was critical of Pakistan's nuclear programme and Islamabad's efforts to build a nuclear bomb, persons familiar with Russia's policy told ET. During the 1980s, the then Soviet Union had strongly opposed attempts by Pakistan to build a nuclear bomb much to India's comfort, according to one of the persons quoted above. Pakistan's track record in nuclear proliferation led by AQ Khan with ISI support is abysmal spanning Libya and North Korea.

<https://economictimes.indiatimes.com/news/defence/moscows-reservation-to-pak-nuclear-project-dates-back-to-cold-war-period/articleshow/95308888.cms?from=mdr>

Safety, security of its nuclear power national responsibility: Pak envoy

Pakistan Observer, November 11, 2022

Pakistan has told the UN General Assembly Thursday that it considers as a "national responsibility" the safety and security of its nuclear power plants and research reactors, which are under the International Atomic Energy Agency (IAEA) safeguards. Speaking in the 193-member Assembly on the annual report of the Vienna-based UN agency, Ambassador Aamir Khan said that Pakistan had developed a comprehensive nuclear safety and security regime based on an extensive legislative and regulatory framework governing the security of nuclear materials, radioactive substances, associated facilities and activities.

<https://pakobserver.net/safety-security-of-its-nuclear-power-national-responsibility-pak-envoy/>

India's BrahMos missile misfire into Pakistan not of specific concern, says nuclear watchdog chief

Scroll, November 14, 2022

The accidental firing of a BrahMos missile from Indian territory, that landed in Pakistan in March, was not cause for any specific concern, the chief of the international nuclear watchdog told *The*

Indian Express on Monday. Rafael Mariano Grossi, the director general of the International Atomic Energy Agency, said that the organisation did not seek any information from the Indian government on the matter. He also said that the misfiring did not raise any doubts about the safety of nuclear material in India.

<https://scroll.in/latest/1037368/indias-brahmos-missile-misfire-into-pakistan-not-of-specific-concern-says-nuclear-watchdog-chief>

European Union

E. France

French government aims to cut red tape for new nuclear reactors

Reuters, November 02, 2022

France has drafted legislation to streamline bureaucracy for administrative permits needed to build new nuclear power plants, as it aims to double down on its nuclear and renewable energy facilities amid a global energy crunch.

<https://www.reuters.com/world/europe/french-government-aims-cut-red-tape-new-nuclear-reactors-2022-11-02/>

France's EDF lowers 2022 nuclear output target to 275-285 twh

Reuters, November 04, 2022

French utility EDF said in a statement late on Thursday that it had lowered its nuclear output target for 2022 to 275-285 terawatt-hour from 280-300 TWh previously due to the impact of strikes on its reactor maintenance schedule and extended maintenance outages of four reactors affected by corrosion.

<https://www.reuters.com/business/energy/frances-edf-lowers-2022-nuclear-output-target-275-285-twh-2022-11-03/>

France's Macron and UK's Sunak agree nuclear energy cooperation

Reuters, November 08, 2022

French President Emmanuel Macron and Britain's Prime Minister Rishi Sunak on

Monday pledged “ambitious cooperation” in the field of nuclear energy to cope with the impact on energy supplies of Russia’s invasion of Ukraine.

<https://www.reuters.com/business/energy/frances-macron-uks-sunak-agree-nuclear-energy-cooperation-2022-11-07/>

France sets its military goals as war is back in Europe

Independent, November 09, 2022

French President Emmanuel Macron is to unveil Wednesday the country’s military strategy through the end of the decade for his nuclear-armed country, in the midst of Russia’s war in Ukraine. Macron is to make a speech on the Dixmude helicopter carrier, docked in the Mediterranean military base of Toulon, which is home to more than 24,000 troops. He will then be airlifted to France’s newest nuclear attack submarine, the Suffren, before meeting with some elite Navy commando members. France’s so-called “national strategic review” is meant to define how the country’s defense will look in 2030 – but it won’t mention budget details, which are to be provided in a later bill.

<https://www.independent.co.uk/news/france-ap-emmanuel-macron-french-europe-b2221252.html>

France, China intent on preventing use of nuclear arms in Ukraine conflict - French Presidency

Reuters, November 15, 2022

French President Emmanuel Macron and China President Xi Jinping reaffirmed their firm position on preventing the use of nuclear arms in the war in Ukraine, the French Presidency said on Tuesday. The two leaders held a bilateral meeting on the sidelines of the G20 summit of leaders on the Indonesian island of Bali.

<https://www.reuters.com/world/france-china-intent-preventing-use-nuclear-arms-ukraine-conflict-french-2022-11-15/>

F. Germany

German utility E.ON sells 99% of Isar 2 nuclear site’s 2022 output

Reuters, November 09, 2022

German utility E.ON (EONGn.DE) said on Wednesday it had sold 99% of the remaining 2022 output from its Isar 2 nuclear plant ahead of the reactor’s planned closure in March 2023.

<https://www.reuters.com/business/energy/german-utility-eon-sells-99-isar-2-nuclear-sites-2022-output-2022-11-09/>

German lawmakers OK delay in switching off nuclear plants

Independent, November 11, 2022

German lawmakers have approved a plan to keep the country’s three remaining nuclear power plants until mid-April, extending their life beyond the originally planned shut-off at the end of this year. The lower house of parliament voted 375-216 to approve the extension, with 70 abstentions. Friday’s vote came after Chancellor Olaf Scholz last month ordered ministers to prepare the plan, putting his foot down on an issue that had divided his three-party government. The decision comes as Germany tries to prevent a possible energy crunch this winter due to cuts in fuel supplies from Russia over the war in Ukraine.

<https://www.independent.co.uk/news/olaf-scholz-ap-berlin-russia-ukraine-b2223027.html>

G. IAEA

UN Nuclear Watchdog Starts “Dirty Bomb” Claims Inspections in Ukraine

Kyiv Post, November 01, 2022

The UN’s nuclear watchdog said Monday, Oct.31, it had begun inspections in Ukraine as part of “independent verification” of Russian allegations Kyiv is producing so-called dirty bombs.

Inspectors of the International Atomic Energy Agency (IAEA) have “begun – and would soon complete – verification activities at two locations in Ukraine”, the agency said in a statement. IAEA Director General Rafael Grossi said he would later this week provide “his initial conclusions about the latest verification activities at the two sites”, the statement added. The inspections follow a written request from the Ukraine government to send IAEA teams there.

<https://www.kyivpost.com/russias-war/un-nuclear-watchdog-starts-dirty-bomb-slaims-inspections-in-ukraine.html>

No Sign of “Undeclared Nuclear Activities” in Ukraine: IAEA

Kyiv Post, November 04, 2022

The UN nuclear watchdog on Thursday, Nov 3, said its inspectors had found no indications of “undeclared nuclear activities” at three locations in Ukraine during visits requested by Kyiv to address Russia’s “dirty bomb” allegations. “Our technical and scientific evaluation of the results we have so far did not show any sign of undeclared nuclear activities and materials at these three locations,” said Rafael Grossi, head of the International Atomic Energy Agency (IAEA). “We will report on the results of the environmental sampling as soon as possible,” Grossi added, referring to samples collected by IAEA inspectors.

<https://www.kyivpost.com/ukraine-politics/no-sign-of-undeclared-nuclear-activities-in-ukraine-iaea.html>

Sizewell C nuclear power plant ‘is not being shelved’

The Times, November 05, 2022

Plans for a second multibillion-pound nuclear power station will go ahead, Downing Street has said, despite the squeeze on public finances. Concerns about the future of the new project were raised after the Treasury said it was re-examining the rationale behind the Sizewell C nuclear

power plant as part of cross-government spending cuts.

<https://www.thetimes.co.uk/article/sizewell-c-nuclear-power-plant-is-not-being-shelved-cjd5m05k7>

COP27: nuclear boss doesn’t expect surge in waste recycling

Reuters, November 11, 2022

Recycling radioactive waste from nuclear power has security and cost challenges but the U.N. International Atomic Energy Agency (IAEA) would be able to monitor the process should more countries take that path, the IAEA head said this week.

<https://www.reuters.com/business/cop/cop27-un-nuclear-chief-says-radioactive-waste-recycling-is-difficult-technology-2022-11-10/>

IAEA Experts Visit Nuclear Facility in Ukraine’s Kharkov, Determine Radiation Levels Normal

Sputnik International, November 12, 2022

Experts from the International Atomic Energy Agency (IAEA) have visited a nuclear research facility in the Ukrainian city of Kharkiv, concluding that there had been no radiological release at the site, the IAEA said. The expert mission to the Kharkov Institute of Physics and Technology (KIPT), as well as the RADON radioactive waste management facility in the city, was carried out from November 8-10.

<https://sputniknews.com/20221112/iaea-experts-visit-nuclear-facility-in-ukraines-kharkhov-determine-radiation-levels-normal-1104036483.html>

Nuclear option for the budget

The Times, November 13, 2022

Harry Yorke and Caroline Wheeler write of a range of options to plug the UK’s “£50 billion black hole” (News, last week). In his book *Power* the political theorist Steven Lukes identifies the way those in power control the agenda by determining what options people are led to consider. So at

present we have the chancellor and the prime minister looking at restrictions on benefits and pensions, changes to the tax regulations and windfall taxes. It is instructive to note what is not on the table.

<https://www.thetimes.co.uk/article/nuclear-option-for-the-budget-f078p0lnv>

H. Poland

Poland's first nuclear power plant to cost around \$20 bln - PM

Reuters, November 02, 2022

Poland's first nuclear power station, which will be built by U.S. firm Westinghouse Electric Co, will cost around \$20 billion, Prime Minister Mateusz Morawiecki said on Wednesday.

<https://www.reuters.com/business/energy/polands-first-nuclear-power-station-cost-around-20-bln-says-pm-2022-11-02/>

Poland's government confirms Westinghouse for nuclear plant

WNN, November 03, 2022

The Council of Ministers has formally approved the decision that the first nuclear power plant in Poland will use three Westinghouse AP1000 reactors - with the US company calling it an "historic day" as it looks to build a fleet of the reactors in central Europe.

<https://www.world-nuclear-news.org/Articles/Poland-s-government-confirms-Westinghouse-for-nucl>

I. Sweden

Swedish Parties Split Over NATO Keeping Nuclear Arms on Country's Soil

Sputnik International, November 02, 2022

When submitting its NATO application earlier this year, the Swedish government made a specific promise to keep the alliance's nuclear weapons and permanent bases outside the country's borders. The Moderate

Party, then in opposition, supported the move but appears to have backtracked since entering government. A statement by the Supreme Commander of Sweden's Armed Forces, General Micael Bydén, in which he had no reservations over storing nuclear weapons on Swedish soil, has caused a deep rift among the politicians of the Scandinavian country.

<https://sputniknews.com/20221102/swedish-parties-split-over-natos-nuclear-arms-on-countrys-soil-1102936097.html>

Swedish Parties Split Over NATO Keeping Nuclear Arms on Country's Soil

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<https://sputniknews.com/20221102/swedish-parties-split-over-natos-nuclear-arms-on-countrys-soil-1102936097.html>

Will US Follow in Sweden's Footsteps and Finally Admit It's an 'Actor' in Ukraine?

Sputnik International, November 03, 2022

This week, Sweden's top commander acknowledged that his nation is an "actor" in the Ukrainian security crisis, and said it was his job to prepare for "total defense" against an "armed attack" by, who else, Russia. Why have the Swedes

been able to casually admit their involvement in Ukraine while the US and NATO haven't? Sputnik explores. Swedish Army Supreme Commander Micael Byden laid out a multi-year defense plan on Tuesday, announcing the Nordic nation's plans to increase military spending to 2% of GDP by 2026, in line with NATO standards, and indicating that the military's mission was "the total defense to prepare for what is the highest level of preparedness and armed attack."

<https://sputniknews.com/20221103/will-us-follow-in-swedens-footsteps-and-finally-admit-its-an-actor-in-ukraine-1103694959.html>

New Swedish govt cuts fuel taxes, boosts defence in first budget

Reuters, November 08, 2022

Sweden's new right-wing government outlined cuts to fuel taxes and higher spending on defence, welfare and the police on Tuesday in a budget aimed at balancing the risks of higher inflation with steps to ease the effects of an economic downturn.

<https://www.reuters.com/markets/europe/new-swedish-govt-cuts-fuel-taxes-boosts-defence-first-budget-2022-11-08/>

Sweden's Biggest Nuclear Reactor Shuts Down, Sending Electricity Soaring

Sputnik International, November 10, 2022

In recent months Sweden has been badly affected by Europe's energy crisis caused by the West's sanctions against Russia over its special operation in Ukraine, despite its role as a self-sufficient electricity exporter. In parts of the country, spot prices have risen five times year-on-year. The 1,400-megawatt Oskarshamn 3, which is operated by OKG and is vital to power supplies in southern Sweden, shut down completely during daytime on Wednesday 9 November after earlier running at reduced capacity. The closure instantly disconnected the turbine from the power grid.

<https://sputniknews.com/20221110/swedens-biggest-nuclear-reactor-shuts-down-sending-electricity-soaring-1103960888.html>

Swedish nuke reactor back up; no reason given for shutdown

Independent, November 10, 2022

The sole reactor of a nuclear power plant in southern Sweden was working again but the plant remained disconnected from the country's power grid Thursday, an official said. The power station's Oskarshamn 3 reactor was shut down Wednesday due to unexpected turbine problems. The outage came as soaring energy prices and supply problems have European countries scrambling to ensure they have enough power for the coming winter. "Late last night, the disturbance that caused the turbine stop was fixed and the start-up began," plant spokeswoman Désirée Liljevall told The Associated Press. She said the plant's operator, OKG, never comments on the causes of shutdowns.

<https://www.independent.co.uk/news/ap-stockholm-swedish-construction-b2222170.html>

Sweden to spurn nuclear weapons as NATO member, foreign minister says

Reuters, November 11, 2022

Sweden plans to declare nuclear weapons cannot be stationed on its territory when the country joins the NATO military alliance, following in the footsteps of its Nordic neighbors, the Swedish foreign minister told local news agency TT on Friday.

<https://www.reuters.com/world/europe/sweden-spurn-nuclear-weapons-nato-member-foreign-minister-says-2022-11-11/>

Sweden's Foreign Minister Tones Down General's 'No Red Lines on Spurning Nukes' Rhetoric on NATO Bid

Sputnik International, November 12, 2022

Supreme Commander of Sweden's Armed Forces, General Micael Bydén, elicited a mixed response with earlier statements, admitting that he had advised his country's government against setting any red lines initially when seeking NATO

membership, such as not allowing the alliance's bases or nuclear weapons on Swedish soil. Sweden will not agree to the stationing of nuclear weapons on its territory after it is officially accepted into the North Atlantic Treaty Organization (NATO), the Swedish Foreign Minister, Tobias Billstrom told a local news agency on November 12.

<https://sputniknews.com/20221112/swedens-foreign-minister-tones-down-generals-no-red-lines-on-spurning-nukes-rhetoric-on-nato-bid-1104051354.html>

J. United Kingdom

British Spies Training Ukrainian Insurgent Army in Crimea, Leaks Show

Sputnik International, November 04, 2022

British intelligence agencies are already prime suspects in two recent provocations in the Crimean peninsula, which voted overwhelmingly to reunite with Russia in the 2014 referendum. But investigative journalists have unearthed a plan to train a 'stay behind' guerrilla army in the region. Leaked documents have revealed that British spies are training an army of Ukrainian insurgents to attack Russian military and civilian targets in Crimea.

<https://sputniknews.com/20221104/british-spies-training-ukrainian-insurgent-army-in-crimea-leaks-show-1103783484.html>

UN nuclear inspectors shut down Russian 'dirty bomb' claim against Ukraine

The Guardian, November 04, 2022

The UN nuclear watchdog has confirmed it found no sign of undeclared nuclear activity after inspecting three sites at Ukraine's request in response to Russian allegations that work was being done on a "dirty bomb". Moscow has accused Ukraine of planning to use such a bomb - a conventional explosive device laced with radioactive material - and said institutes linked to the nuclear industry were involved in preparations, without presenting evidence. Ukraine's government denies the

accusation. Volodymyr Zelenskiy, the Ukrainian president, hailed the conclusion, calling it "quite obvious" in his latest national address.

<https://www.theguardian.com/world/2022/nov/04/un-nuclear-inspectors-shut-down-russian-dirty-bomb-claim-against-ukraine>

Sunak pledges Sizewell C will go ahead 'as soon as possible' despite fears it could be scrapped

The Telegraph, November 04, 2022

Rishi Sunak hopes to advance the Sizewell C nuclear power station "as soon as possible", playing down fears that the Suffolk project previously championed by Boris Johnson could be scrapped. The Prime Minister's spokesman said the £20bn Sizewell C project "remains crucial to reducing our reliance on fossil fuels, increasing our energy security and meeting our Net Zero ambitions." "We hope to get a deal over the line as soon as possible." The comments came amid mounting speculation that Sizewell could be scrapped as part of sweeping cost cutting measures being considered by the Government.

<https://www.telegraph.co.uk/business/2022/11/04/nuclear-power-plant-championed-boris-johnson-threat/>

Letters: A fresh focus on nuclear power is key to boosting Britain's energy independence

The Telegraph, November 05, 2022

SIR-No 10 has now denied the rumours that the planned Sizewell C nuclear power plant could come under review. We cannot afford any further delays. If we are serious about reducing our dependence on other nations for energy, this project must be completed with all haste. We have already squandered our nuclear technological leadership, partly in response to anti-nuclear activists. We must not make matters worse.

<https://www.telegraph.co.uk/opinion/2022/11/05/letters-fresh-focus-nuclear-power-key-boosting-britains-energy/>

Royal Navy nuclear-armed submarine forced to abort mission after catching fire

The Telegraph, November 07, 2022

A nuclear-armed submarine was forced to abort its mission after a fire broke out on board, the MoD has confirmed. HMS Victorious, one of Britain's four nuclear-armed submarines, was somewhere in the North Atlantic when the fire broke out in an electrical component around six weeks ago. The boat's commanding officer ordered the vessel to surface as a precaution, an action rarely undertaken due to the risk of being spotted by Russian satellites. All crew members, including those off duty and asleep in their bunks, were called on to fight the fire and search for any other blazes that may have broken out.

<https://www.telegraph.co.uk/news/2022/11/07/royal-navy-nuclear-armed-submarine-forced-abort-mission-catching/>

UK Royal Military Police Probe Air Corps Soldiers' Racist Memes About Harry and Meghan

Sputnik International, November 08, 2022

The UK Defense Ministry stated that they are aware of the "offensive comments" by Army Air Corps servicemen, stressing that there is no place in the British Armed Forces "for any form of racist behavior". Britain's Royal Military Police have launched a probe into at least three soldiers from the Army Air Corps (AAC) for posting racist memes, including one of Prince Harry and Meghan Markle's wedding, in a WhatsApp group.

<https://sputniknews.com/20221108/uk-royal-military-police-probe-air-corps-soldiers-racist-memes-about-harry-and-meghan-1103879797.html>

Rolls-Royce seeks to open mini-nuclear reactors across Wales, the North and West Midlands by 2030

The Telegraph, November 09, 2022

Small-scale nuclear reactors designed by Rolls-Royce could supply a fifth of the UK's total electricity capacity to homes across England and Wales by the end of the decade

under new plans announced by the engineer. Rolls-Royce has identified sites at Trawsfynydd and Wylfa in Wales, Sellafield in Cumbria and Oldbury near Bristol as priorities for development of its proposed Small Modular Reactors (SMR). The FTSE 100 engineering giant announced the shortlist following an assessment of the four former nuclear sites, concluding they are stable, large enough to house an SMR and connected to the power grid.

<https://www.telegraph.co.uk/business/2022/11/09/rolls-royce-seeks-open-mini-nuclear-reactors-across-wales-north/>

UK Will Soon Provide Ukraine With About 1,000 Additional Surface-to-Air Missiles - London

Sputnik International, November 09, 2022

The United Kingdom will shortly provide Ukraine with some 1,000 additional surface-to-air missiles, the UK Ministry of Defence said on Wednesday. "The Defence Secretary Ben Wallace has announced that the UK will shortly complete the delivery of approximately 1,000 additional surface to air missiles to the Armed Forces of Ukraine (AFU). This comes in response to Ukrainian requests for more air defence capabilities, and the missiles will play a vital role in the provision of air defence for Ukraine and the protection of its critical infrastructure which is being continually targeted by Russia," the ministry said on the website.

<https://sputniknews.com/20221109/uk-will-soon-provide-ukraine-with-about-1000-additional-surface-to-air-missiles-london-1103955548.html>

An energy crisis, fear of nuclear power, public discontent - 90s Armenia has lessons for the UK

The Telegraph, November 11, 2022

I can relate to Rishi Sunak. Britain's new Prime Minister has inherited a state of affairs that feels eerily familiar. In 1996, when I became the prime minister of Armenia at the age of 43, my country

appeared mortally bruised by a combination of war, skyrocketing prices, and scarcity of food and fuel. The toll of the winters tore at the soul. Yerevan, the Armenian capital known as the “city of lights” because its streets and buildings remained always lit, was plunged into darkness between 1991 and 1995. Trees, revered by Armenians, were felled for fuel. Families cooked meagre meals with wood and children read by candlelight. There wasn’t a flower in sight, hospitals ran on a few hours of power supply, and the cold claimed many lives.

<https://www.telegraph.co.uk/news/2022/11/11/energy-crisis-fear-nuclear-power-public-discontent-90s-armenia/>

UK’s Defense Spending to Shrink in Real Terms Due to High Inflation

Sputnik International, November 13, 2022

The cabinet of UK Prime Minister Rishi Sunak will not cut defense spending, but it will nevertheless slump in real terms as inflation bites, a British daily reported on Saturday, citing a leading UK think tank. According to the report, the UK Treasury is expected to announce next week that all departmental spending for the next two years will remain as agreed in the 2021 overview of spending. The budget of the UK Defence Ministry will rise in monetary terms from 47.9 billion pounds (\$56.7 billion) in 2022 to 48 billion pounds in 2023, growing further to 48.6 billion pounds in 2024. However, inflation, currently standing at 10.1%, will erode those budgets, leaving much less in real terms.

<https://sputniknews.com/20221112/uks-defense-spending-to-shrink-in-real-terms-due-to-high-inflation-reports-1104061961.html>

Microdrones: the AI assassins set to become weapons of mass destruction

The Telegraph, November 14, 2022

Drones are in the news again, but not as we have come to know them. Last month Britain announced it was sending 850 Black Hornet “microdrones” to Kyiv for use in close-quarters combat. The idea was (before the spectacular Russian collapse in recent

weeks) that they would lend Ukrainian troops a crucial edge in the vicious urban fighting that was expected as they sought to liberate their towns and cities. These machines are a far cry from the large unmanned aerial vehicles (UAVs) associated with the war on terror, the ubiquitous Predator and Reaper drones that delivered death from the upper skies with almost god-like insouciance.

<https://www.telegraph.co.uk/global-health/terror-and-security/drone-assassins-micro-killing-machine/>

Sunak defence cuts a ‘breach’ of manifesto

The Telegraph, November 14, 2022

Rishi Sunak is planning to cut defence spending in real terms in the coming years in an apparent breach of the Conservative election manifesto. Next week, the Treasury is expected to announce that all departmental spending for the next two years will remain as previously agreed in the 2021 spending review. That means the Ministry of Defence budget will rise in cash terms from £47.9 billion this year to £48 billion in 2023 and then £48.6 billion in 2024. But inflation, currently 10 per cent, is eating into those budgets. Taking into account those prices means a real term defence spending cut in those years, according to the Royal United Services Institute, a leading defence think tank.

<https://www.telegraph.co.uk/politics/2022/11/11/rishi-sunak-cut-defence-spending-real-terms-despite-tough-stance/>

K. Ukraine

Moscow wants to connect Ukrainian nuclear plant to Russian grid - Energoatom

Reuters, November 03, 2022

Ukraine’s Russian-occupied Zaporizhzhia nuclear power station was operating on back-up diesel generators on Thursday after being disconnected from the Ukrainian power grid by Russian shelling, the Ukrainian nuclear energy company said. Energoatom said the last remaining

high voltage lines connecting the plant to the Ukrainian grid had been damaged in Wednesday's shelling, and that Moscow wanted to connect the plant to the Russian grid.

<https://www.reuters.com/world/europe/ukraines-zaporizhzhia-nuclear-plant-disconnected-grid-2022-11-03/>

A nuclear catastrophe need not come in the form of bombs

The Telegraph, November 03, 2022

The threat of nuclear attack, or accident, in Ukraine and mainland Europe is possibly higher now than it was during the Cold War. Russian generals, according to US Government officials, are discussing using tactical nuclear weapons and their forces on the ground continue to shell Zaporizhzhia nuclear power plant, today knocking out the last link to the Ukrainian power grid. Added to this the "dirty bomb" threat – which Putin claims is going to be unleashed by Ukraine on its own forces – and it is no surprise that people in Ukraine and across Europe are increasingly concerned.

<https://www.telegraph.co.uk/news/2022/11/03/nuclear-catastrophe-need-not-come-form-bombs/>

When Did Ukraine Give Up Nuclear Weapons and Why Have Fears of Kiev's Pursuit of Nukes Reemerged?

Sputnik International, November 03, 2022

Last week, the Russian military warned that Moscow had intel on contacts between the Ukrainian president's office and British officials on the acquisition of nuclear technology by Kiev. Sputnik explores Ukraine's historical relationship with nuclear weapons, and the threat that would be posed if Kiev reconstituted a nuclear device today.

<https://sputniknews.com/20221103/when-did-ukraine-give-up-nuclear-weapons-and-why-have-fears-of-kievs-pursuit-of-nukes-reemerged-1103684050.html>

The Zaporizhzhia nuclear power plant returns to relying on generators after shelling.

The New York Times, November 03, 2022

The Zaporizhzhia nuclear power plant in southern Ukraine was again relying on diesel generators to power critical cooling functions after shelling cut the plant's connection to outside power late Wednesday night. Even with all the reactors offline in what is known as a cold shutdown, essential equipment to cool spent fuel rods needs a constant source of power. It is at least the fourth time the plant has lost its connection to outside power since Russian forces began occupying the facility early in the war. Each time, engineers have raced to make repairs before the diesel fuel ran out. International nuclear inspectors have called the situation unsustainable and precarious.

<https://www.nytimes.com/2022/11/03/world/europe/zaporizhzhia-nuclear-power-plant-blackout.html?searchResultPosition=66>

Zelensky accuses Moscow of energy 'terrorism' as Russian strikes knock out power for millions

CNN, November 04, 2022

Ukrainian President Volodymyr Zelensky has accused Russia of "energy terrorism" after Moscow's repeated attacks on key infrastructure knocked out power for hundreds of thousands of people. About 450,000 households across Kyiv were without electricity on Friday as power outages across the country continue, according to the city's mayor Vitalii Klitschko. "It is one and a half times more than the recent days," Klitschko said on Telegram. Across the country, about 4.5 million consumers were temporarily disconnected from the power supply on Thursday under emergency and stabilization schedules, according to Zelensky.

<https://edition.cnn.com/2022/11/04/europe/ukraine-energy-terrorism-zelensky-russia-intl/index.html>

External power restored to Ukraine's Zaporizhzhia nuclear plant, IAEA says

Reuters, November 06, 2022

External power has been restored to Ukraine's Zaporizhzhia nuclear power plant two days after it was disconnected from the power grid after Russian shelling damaged high voltage lines, the U.N. nuclear watchdog said on Saturday.

<https://www.reuters.com/world/europe/external-power-restored-ukraines-zaporizhzhia-nuclear-plant-iaea-2022-11-05/>

Zaporizhzhia reconnected, but 'it can't go on like this', says IAEA

WNN, November 07, 2022

Power supplies were reconnected to Ukraine and Europe's largest nuclear power plant after two days of relying on emergency diesel generators, but International Atomic Energy Agency (IAEA) Director General Rafael Mariano Grossi says a safety zone around the plant must be established "before it is too late".

<https://www.world-nuclear-news.org/Articles/Zaporizhzhia-reconnected-but-it-can%E2%80%99t-go-on-like-t>

Ukraine's military shells DPR over 30 times in past day, mission reports

Russian News Agency, November 07, 2022

The Ukrainian military shelled populated areas on the territory of the Donetsk People's Republic (DPR) over 30 times in the past day, the DPR mission to the Joint Center of Control and Coordination of Issues Related to Ukraine's War Crimes reported on Monday. "In the past 24 hours, the mission reported 31 instances of bombardment by the Ukrainian military," the mission said on its Telegram channel.

<https://tass.com/defense/1532991>

At least 85 civilians suffer landmine injuries in DPR in current round of violence

Russian News Agency, November 07, 2022

At least 85 civilians, including four children, have suffered injuries after stepping on Ukrainian landmines since the violence started to escalate in February, the DPR mission to the Joint Center for Control and Coordination said in a statement on Telegram on Monday. "According to official data from the DPR mission, 85 civilians, including four children, stepped on Lepestok landmines between the day when violence started to escalate (on February 17 - TASS) and November 7, 2022," the statement reads. "One of the injured later died in hospital," the mission added.

<https://tass.com/defense/1533031>

Why Putin can't be allowed to win in Ukraine

CNN, November 07, 2022

Almost immediately after last month's blast that destroyed a section of the Kerch bridge connecting Russia to Crimea - the Ukrainian territory it annexed in 2014 - the Kremlin intensified attacks on Ukraine's civilian infrastructure, stepping up its bombing of apartment buildings, power grid and water systems.

<https://edition.cnn.com/2022/11/02/opinions/ukraine-russia-iran-weapons-geopolitical-ghitis/index.html>

Zelenskyy hails UN nuclear investigation result; UK says Russia likely shooting its retreating soldiers

CNBC, November 07, 2022

Ukrainian President Volodymyr Zelenskyy praised the work of the International Atomic Energy Agency after it wrapped

up its inspection of three nuclear power facilities in Ukraine and found no evidence of undeclared nuclear material or activities. The inspection, which was prompted by Kyiv inviting IAEA officials to its facilities, was welcome news after Moscow accused Ukraine of building a so-called radioactive “dirty bomb” to use on its own territory. The results of the inspection confirmed Russia’s “status of the world’s top liar,” Ukrainian Foreign Affairs Minister Dmytro Kuleba said in a tweet.

<https://www.cnn.com/2022/11/04/russia-ukraine-live-updates.html?&qsearchterm=nuclear>

Ukraine in danger of running out of air defenses as Russia launches relentless drone attacks

CNBC, November 07, 2022

Ukraine is at risk of running out of air defense weapons and needs urgent help from the West to defend itself, defense analysts said Monday. Russia has deployed a wave of drone attacks to damage and destroy Ukrainian energy facilities. RUSI analysts said Kyiv needs more air defense weapons from the West, or risks running out of equipment that has, so far, enabled it to combat Russian air attacks.

<https://www.cnn.com/2022/11/07/ukraine-needs-more-air-defense-weapons-to-fight-russian-drone-strikes-.html?&qsearchterm=defense>

Ukraine’s Occupied City of Kherson Without Electricity, Water After Strike

The Moscow Times, November 07, 2022

Ukraine’s Russian-occupied city of Kherson was cut off from water and electricity supplies Sunday after an air strike and a key dam in the region was also damaged, local officials said. It is the first time that Kherson – which fell to Moscow’s forces within days of their February offensive – has seen such a power cut. “In Kherson and a number of other areas in the region, there is temporarily no electricity or water supply,” the city’s Moscow-installed administration said on Telegram. It said it was the “result of an attack organized by the Ukrainian side on

the Beryslav-Kakhovka highway that saw three concrete poles of high-voltage power lines damaged.”

<https://www.themoscowtimes.com/2022/11/06/ukraines-occupied-city-of-kherson-without-electricity-water-after-strike-a79301>

Drone presumably shot down over waters of Sevastopol

Russian News Agency, November 08, 2022

Air defense systems presumably shot down a drone over the waters of Sevastopol, Governor Mikhail Razvozhayev said on his Telegram channel on Tuesday. “Air defenses were at work in Sevastopol in the morning. According to tentative data, a UAV [unmanned aerial vehicle] was shot down over the waters,” he said.

<https://tass.com/defense/1533493>

Ukraine Peace Talks Remain Distant Even as Moscow Signals a Retreat

The New York Times, November 09, 2022

American and European officials say serious peace talks between Ukraine and Russia are unlikely in the near future, even as the Biden administration tries to fend off growing questions from some members of Congress about the U.S. government’s open-ended investment in the war. Russian and Ukrainian officials have made separate public comments in recent days about potential peace negotiations, more than six months after their last known direct talks fell apart.

<https://www.nytimes.com/2022/11/09/us/politics/ukraine-russia-peace-talks.html?searchResultPosition=25>

Ukraine’s military suffers about 40 casualties in Donbass in past day – DPR militia

Russian News Agency, November 09, 2022

The Ukrainian military suffered about 40 casualties in battles with forces of the Donetsk People’s Republic (DPR) in the

past day, the press office of the DPR people's militia reported on Wednesday. "The enemy's manpower losses amounted to 40 personnel," the DPR people's militia said on its Telegram channel. In the past day, the Russia-Donbass allied forces eliminated two Ukrainian army howitzers (a Krab self-propelled and a 2A65 towed artillery guns), a Grad multiple launch rocket system, four tanks (two T-72Bs, one T-72M1 and one T-64BV), five armored and motor vehicles and shot down three enemy unmanned aerial vehicles, the press office said.

<https://tass.com/defense/1534065>

Villages and towns in Ukraine see heavy fighting, shelling

Independent, November 09, 2022

Villages and towns in Ukraine saw more heavy fighting and shelling Wednesday as Ukrainian and Russian forces strained to advance on different fronts after more than 8 1/2 months of war. At least nine civilians were killed and 24 others were wounded in 24 hours, the Ukrainian president's office said. It accused Russia of using explosive drones, rockets, heavy artillery and aircraft to attack eight regions in the country's southeast.

<https://www.independent.co.uk/news/ap-ukraine-kremlin-kyiv-vladimir-putin-b2221277.html>

Ukraine's military suffers several hundred casualties in attempted attack in Kherson area

Russian News Agency, November 09, 2022

The Ukrainian military lost several hundred troops in its failed attempt to attack in three directions in the Kherson Region on November 8, Kherson Region Deputy Governor Kirill Stremousov said on Wednesday. "A couple of hundreds [of Ukrainian militants] came under fire. There were quite large columns of [advancing] forces," Stremousov said, adding that the attack developed in three directions. There were many English-and Polish-speaking mercenaries among the advancing forces, he said.

<https://tass.com/defense/1534055>

LPR militia reports eliminating about 50 Ukrainian militants in Donbass in past day

Russian News Agency, November 10, 2022

The Ukrainian military suffered about 50 casualties in clashes with forces of the Lugansk People's Republic (LPR) in the past day, Spokesman for the LPR People's Militia Ivan Filiponenko reported on Thursday. "In the past 24 hours, the enemy sustained heavy losses in manpower and military hardware as a result of active offensive operations by LPR people's militia forces. They eliminated up to 50 personnel," the press office of the LPR people's militia quoted the spokesman as saying on its Telegram channel.

<https://tass.com/defense/1534637>

Over 1,000 foreign mercenaries eliminated in Zaporozhye

Russian News Agency, November 10, 2022

Russian aviation and artillery strikes have already eliminated more than 1,000 foreign militants located in the city of Zaporozhye, Vladimir Rogov, chairman of the We Are Together with Russia movement, said on Thursday. "Over 1,000 people (foreign mercenaries - TASS) have been eliminated by strikes from Russia's Aerospace Forces and artillery in the city of Zaporozhye," he told the Soloviev Live TV channel.

<https://tass.com/defense/1534641>

Ukraine claims big gains in south, but fears retreating Russians will turn Kherson into 'city of death'

CNN, November 10, 2022

Ukraine's military said it had retaken swathes of territory in Kherson on Thursday after Moscow ordered a partial withdrawal from the area, though officials in Kyiv warned that retreating Russian soldiers could turn the regional capital into a "city of death" on their way out. A military spokesman said that in just 24 hours, Ukrainian forces had pushed the front line in the key southern region of Kherson forward by 7 kilometers (4.3 miles) and

taken control of more than 260 square kilometers of territory (100 square miles).

<https://edition.cnn.com/2022/11/10/europe/kherson-gains-russia-retreat-intl/index.html>

Ukraine's military suffers over 70 casualties in Donbass in past day – DPR militia

Russian News Agency, November 10, 2022

The Ukrainian military suffered over 70 casualties in battles with forces of the Donetsk People's Republic (DPR) in the past day, the DPR people's militia reported on Thursday. "The following enemy armaments and military hardware were destroyed as a result of joint operations by servicemen of the Donetsk People's Republic and the Russian army: a Grad multiple launch rocket system, three tanks, ten armored and motor vehicles. They also shot down five enemy unmanned aerial vehicles," the press office of the DPR people's militia said on its Telegram channel.

<https://tass.com/defense/1534661>

Ukrainian troops sweep into key city of Kherson after Russian forces retreat, dealing blow to Putin

CNN, November 11, 2022

Ukrainian forces swept into the key city of Kherson on Friday as Russian troops retreated to the east, delivering a major victory to Kyiv and marking one of the biggest setbacks for President Vladimir Putin since his invasion began. Elated civilians who had survived months of Russian occupation descended on Kherson's central square, hugging newly arrived Ukrainian soldiers, snapping selfies with them, and waving Ukrainian flags.

<https://edition.cnn.com/2022/11/11/europe/russian-troops-leave-kherson-region-intl/index.html>

'The Happiest Day': Joy in Kherson as Ukrainian Troops Re-Enter City

The Moscow Times, November 11, 2022

Russian troops withdrew from the right bank of the Dnipro River on Friday in a

major military defeat for the Kremlin that led to scenes of jubilation in the port city of Kherson, the only Ukrainian regional capital Russia succeeded in occupying in almost nine months of bitter fighting. Unlike recent Russian retreats in eastern Ukraine, the pull back from Kherson appeared to take place in relatively good order, with the Antonivskyi Bridge over the Dnipro blown up overnight and infantry seen walking across pontoon bridges in the early hours of the morning. "Today is the happiest day for me! I haven't closed my eyes for 24 hours," said one Kherson resident, who requested anonymity to speak freely. "There's nothing better than watching russkies on their knees," she told The Moscow Times.

<https://www.themoscowtimes.com/2022/11/11/the-happiest-day-joy-in-kherson-as-ukrainian-troops-re-enter-city-a79351>

Ukrainian forces pound settlement in LPR with 20 Grad rockets

Russian News Agency, November 12, 2022

Ukraine's armed forces have hit Nizhnyaya Duvanka in the Lugansk People's Republic (LPR) with 20 rockets of the Grad multiple rocket launcher system, the LPR mission to the Joint Center for Control and Coordination of Issues Related to War Crimes by Ukraine wrote on its Telegram channel on Friday. Casualties and damage are being clarified.

<https://tass.com/defense/1535597>

Ukraine May Redirect 40,000 Troops From Kherson to Other Areas

Sputnik International, November 12, 2022

Russia launched a special military operation in Ukraine in February in response to calls by the Donetsk and Lugansk people's republics for protection against Ukrainian troops. Moscow launched strikes using precision-guided weapons against Ukraine two days after the terrorist attack on the Crimean Bridge which, Russia believes, was carried out by

the Ukrainian special services. Russia's President Vladimir Putin told the Russian Security Council on 10 October that the country had launched retaliatory strikes against Ukrainian infrastructure, in response to the crimes committed by Kiev against Russian civilian infrastructure.

<https://sputniknews.com/20221112/live-updates-air-raid-warnings-issued-in-parts-of-ukraine-1104038373.html>

Why Does US Continue to 'Fan the Flames' of Ukraine Conflict?

Sputnik International, November 13, 2022

On Thursday, the US Department of Defense announced an additional \$400 million in military aid to Ukraine amid Russia's ongoing special military operation in the country. The US continues "to fan the flames" of the Ukraine conflict by investing heavily in "the war industry," a US-based expert believes.

<https://sputniknews.com/20221113/why-does-us-continue-to-fan-the-flames-of-ukraine-conflict-1104068985.html>

Ukraine asks U.S. for big drones, hoping to overcome opposition

Reuters, November 15, 2022

Ukraine has made a new appeal for the United States to supply it with powerful drones and anti-drone missiles, hoping Washington will reverse its previous rejection as Russia increasingly turns to kamikaze drones and attacks civilian infrastructure.

<https://www.reuters.com/business/aerospace-defense/ukraine-asks-us-big-drones-hoping-overcome-opposition-2022-11-15/>

L. United States of America

U.S. and UAE sign strategic partnership deal to spur \$100 billion in clean energy investment

CNBC, November 01, 2022

The White House described the partnership, named PACE, as a major achievement for

President Joe Biden's climate agenda. It aims to mobilize \$100 billion in investment, financing and other support to produce 100 gigawatts of clean energy by 2035. The ambitious plan comes at a time of rising demand for, and shrinking supply of, oil globally.

<https://www.cnn.com/2022/11/01/us-and-uae-sign-strategic-partnership-deal-to-spur-100-billion-in-clean-energy-investment.html?&qsearchterm=nuclear>

SpaceX's Falcon Heavy rocket, world's most powerful rocket, launches after three-year hiatus

CNN, November 01, 2022

SpaceX's Falcon Heavy — a towering, three-pronged vehicle that is the most powerful operational rocket in the world — returned to the skies on Tuesday for the first time since mid-2019. The rocket launched at 9:41 a.m. ET from NASA's Kennedy Space Center in Florida, hauling satellites to space for the US military in a secretive mission dubbed USSF-44. The Falcon Heavy debuted in 2018 to much fanfare as SpaceX CEO Elon Musk elected to launch his personal Tesla Roadster as a test payload on the launch. The car is still in space, taking an oblong path around the sun that swings out as far as Mars' orbital path.

<https://edition.cnn.com/2022/11/01/business/spacex-falcon-heavy-launch-ussf-44-scn/index.html>

Republicans slam Pentagon plan to pull permanent F-15 force from Okinawa

News NCR, November 02, 2022

Republican lawmakers have criticised a plan by the Pentagon to switch F-15 fighter jets completely based mostly in Okinawa with a short lived rotating power, saying it will ship the unsuitable sign to China about US deterrence. The criticism adopted a report within the Financial Times that the US air power would withdraw two squadrons of F-15 Eagles from Kadena air power base in Okinawa,

as a part of a modernisation programme. The air power will briefly exchange the 48 F-15s with extra superior F-22 stealth fighters from Alaska, however critics have raised concern that the Pentagon has not established a long-term resolution to switch the jets in Japan.

<https://www.newsncr.com/business/republicans-slam-pentagon-plan-to-pull-permanent-f-15-force-from-okinawa/>

US officials divided over new intelligence suggesting Russian military discussed scenarios for using nuclear weapons

CNN, November 02, 2022

Russian military officials have discussed how and under what conditions Russia would use a tactical nuclear weapon on the battlefield in Ukraine, according to a US intelligence assessment described to CNN by multiple sources who have read it. The assessment, drafted by the National Intelligence Council, is not a high confidence product and is not raw intelligence but rather analysis, multiple people who have read it told CNN. For that reason, some officials believe the conversations reflected in the document may have been taken out of context, and do not necessarily indicate that Russia is preparing to use a nuclear weapon.

<https://edition.cnn.com/2022/11/02/politics/us-russia-nuclear-weapon-intelligence/index.html>

SpaceX launches first Falcon Heavy mission since 2019 from Florida

Reuters, November 02, 2022

SpaceX's Falcon Heavy, the world's most-powerful active rocket, lifted off on Tuesday for the first time in more than three years through dense fog at Florida's Cape Canaveral, with Elon Musk's company sending satellites into orbit for the U.S. Space Force.

<https://www.reuters.com/lifestyle/science/spacex-launches-first-falcon-heavy-mission-three-years-2022-11-01/>

US military nuclear chief sounds the alarm about pace of China's nuclear weapons program

CNN, November 04, 2022

The Commander of US Strategic Command, which oversees the US nuclear weapons program, warned that China is developing nuclear weapons much faster than the US and called the issue a "near-term problem," during a speech at a closed event earlier this week. While Pentagon officials have been sounding the alarm about China's military buildup and development of nuclear weapons for years, Richard's comments paint the situation as more dire than other officials have stated publicly.

<https://edition.cnn.com/2022/11/04/politics/us-china-nuclear-weapons-warning/index.html>

Pentagon, U.S. arms makers to talk Russia, labor and supply chain

Reuters, November 04, 2022

Pentagon leaders plan to meet with defense industry executives next week to discuss ways to tackle supply-chain problems, a U.S. official told Reuters, amid an expected surge in demand for weapons from U.S. allies due to Moscow's invasion of Ukraine.

<https://www.reuters.com/business/aerospace-defense/pentagon-us-arms-makers-meet-labor-supply-chain-2022-11-04/>

U.S. announces \$400 million in new military aid for Ukraine

Reuters, November 05, 2022

The United States on Friday announced an additional \$400 million in military aid to Ukraine, including refurbishing T-72 tanks and missiles for HAWK air defense systems for Kyiv.

<https://www.reuters.com/world/us-announces-400-million-new-military-aid-ukraine-2022-11-04/>

U.S. To deploy B-1B strategic bomber to U.S.-South Korea drill Saturday, Yonhap reports

Reuters, November 05, 2022

The U.S. Air Force plans to deploy B-1B strategic bombers in U.S.-South Korea military exercises on Saturday, Yonhap News reported, after North Korea fired a barrage of weapons tests in recent days to protest allied military drills.

<https://www.reuters.com/world/us-deploy-b-1b-strategic-bomber-us-south-korea-drill-saturday-yonhap-2022-11-05/>

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<https://www.reuters.com/world/us-deploy-b-1b-strategic-bomber-us-south-korea-drill-saturday-yonhap-2022-11-05/>

Head of US Nuclear Forces Claims Ukraine 'Just a Warmup' for 'Very Long' Struggle With Russia, China

Sputnik International, November 07, 2022

Since 2018, the US has seen its primary strategic focus as preparing for so-called "great power competition" with Russia and China. It claims the two nations are spearheading an effort to overturn the US-run global order established at the end of the Cold War. US Navy Adm. Charles Richard, the head of US Strategic Command, recently warned the US would soon face a protracted conflict with China unlike anything it's faced before. Stratcom is responsible for handling the

country's nuclear weapons, as well as the suite of defensive and offensive information capabilities termed C4ISR.

<https://sputniknews.com/20221107/head-of-us-nuclear-forces-claims-ukraine-just-a-warmup-for-very-long-struggle-with-russia-china-1103870150.html>

US and Russia agree to hold talks on nuclear treaty for first time since Ukraine war began

CNN, November 08, 2022

The US and Russia have agreed to hold talks on the single existing nuclear treaty between the two countries in the near future, State Department spokesperson Ned Price said on Tuesday. The New START treaty limits all deployed intercontinental-range nuclear weapons by Russia and the US. The treaty – the only one left regulating the two largest nuclear arsenals in the world – was extended by five years in February 2021 during the first weeks of Joe Biden's presidency.

<https://edition.cnn.com/2022/11/08/politics/us-russia-nuclear-treaty-talks/index.html>

Dems Face Nightmare Midterm Polls; Massive Anti-Russian "Bot Army" Uncovered; Twitter Job Cuts

Sputnik International, November 08, 2022

Caleb Maupin, journalist and political analyst, joins us to discuss the midterm elections. President Biden and former Presidents Trump and Obama hit the campaign trails with similar stories of fear and patriotism in last-minute efforts to rally their respective parties to a Tuesday victory. Mark Sleboda, Moscow-based international relations security analyst, joins us to discuss the Ukraine crisis. The US is privately asking Ukrainian government officials to give the appearance of being open to negotiations

while pushing to continue the conflict to hold the moral high ground.

<https://sputniknews.com/20221108/dems-face-nightmare-midterm-polls-massive-anti-russian-bot-army-uncovered-twitter-job-cuts-1103873456.html>

Biden 'Armageddon' Warning Aims to Pit as Many States Against Russia as Possible: Ambassador Antonov

Sputnik International, November 08, 2022

US President Joe Biden's warning of Armageddon is groundless and dangerous and aims at pitting as many countries against Russia as possible, Russian Ambassador in Washington Anatoly Antonov told Sputnik. "Against this background, the intimidation of the world community by the 'approaching Armageddon' is groundless and dangerous," Antonov said. "Loud statements coming from the United States, and even from the lips of President Joe Biden, pursue a single goal - to incite as many states as possible against Russia."

<https://sputniknews.com/20221109/biden-armageddon-warning-aims-to-pit-as-many-states-against-russia-as-possible-ambassador-antonov-1103921088.html>

US May Reportedly Deploy Aircraft Carrier in Sea of Japan in Event of N.Korea's Nuclear Test

Sputnik International, November 08, 2022

The US government is drafting a resolution for the UN Security Council to increase sanctions pressure on North Korea, and is also considering deploying an aircraft carrier in the Sea of Japan should North Korea conduct a nuclear test, the Japanese media reported, citing sources. In particular, the draft resolution may include a restriction on the export of oil and oil products from North Korea, as well as sanctions against the Lazarus hacker group, which is allegedly associated with the North Korean regime.

<https://sputniknews.com/20221108/us-may-reportedly-deploy-aircraft-carrier-in-sea-of-japan-in-event-of-nkoreas-nuclear-test-1103875619.html>

Biden admin pushing Ukraine to begin peace talks with Russia, report claims

Independent, November 08, 2022

The US is urging Ukraine in private talks to publically show a willingness to end its refusal to take part in peace talks with Russia unless its President Vladimir Putin is removed from his office, a report has said. The Washington Post reported that sources familiar with the discussions say that the aim isn't to push Ukraine to negotiate but to make sure that Kyiv retains the support of other countries dealing with concerns of a yearslong war. The Biden administration is publically committed to supporting Ukraine "for as long as it takes" while hoping for a quick resolution to a war that had damaged the global economy and led to trepidation at the prospect of nuclear war.

<https://www.independent.co.uk/news/world/biden-ukraine-russia-peace-talks-b2219811.html>

Sullivan Says US Engaged in Talks With Russia to Reduce Risk, Warn Against Use of Nukes

Sputnik International, November 08, 2022

US National Security Adviser Jake Sullivan said during a think-tank event that US officials recently had an opportunity to engage with the Russian government at senior levels to reduce risk and convey the consequences of the potential use of nuclear weapons in Ukraine. American media reported that Sullivan has been conducting confidential talks in recent months with Kremlin aide Yury Ushakov and Russian Security Council Secretary Nikolai Patrushev. The Kremlin and the White House declined to confirm that such talks took place.

<https://sputniknews.com/20221108/sullivan-says-us-engaged-in-talks-with-russia-to-reduce-risk-warn-against-use-of-nukes-1103878368.html>

US military may obtain effective non-nuclear deterrence in medium term – media

Russian News Agency, November 09, 2022

The first samples of a new, highly effective non-nuclear means of deterrence and intimidation may enter duty in the US Armed Forces in the medium term, the Russian Defense Ministry's magazine *Voyennaya Mysl* (Military Thought) has said. The article's authors point out that Washington is currently focusing on non-nuclear means of strategic military deterrence of the future and the creation of an effective research and industrial basis for this.

<https://tass.com/defense/1534061>

Pentagon chief has not spoken with White House about leaving post following midterm election

Reuters, November 09, 2022

U.S. Defense Secretary Lloyd Austin has not spoken with the White House about potentially leaving his post after the midterm election, the Pentagon said on Tuesday.

<https://www.reuters.com/world/us/pentagon-chief-has-not-spoken-with-white-house-about-leaving-post-following-2022-11-08/>

Judge Gives Long Sentence to Couple Who Tried to Sell Submarine Secrets

The New York Times, November 09, 2022

A federal judge sentenced a Navy engineer to 19 years in prison on Wednesday and – in an unusual twist – handed his wife nearly 22 years for the couple's botched attempt to sell sensitive nuclear propulsion secrets to a foreign country. U.S. District Judge Gina M. Groh gave a longer term to Diana Toebbe even though it was her husband, Jonathan, who held the security clearance and took the sensitive documents from the Navy. Judge Groh said the longer sentence for Ms. Toebbe was mainly because

she found that Ms. Toebbe had tried to obstruct justice by attempting to send letters to her husband while in jail.

<https://www.nytimes.com/2022/11/09/us/submarine-couple-sentence-judge.html?searchResultPosition=26>

U.S. confirms it held talks with Kremlin over nuclear threat; Ukraine hit by emergency power shutdowns

CNBC, November 09, 2022

Ukraine's President Volodymyr Zelenskyy said the country's armed forces are advancing in parts of the country, noting last night that "our forces are in a state of active defense – in some parts of the east and south, we are gradually pushing back the enemy. We are gradually moving forward." He said the Donetsk part of the eastern Donbas "remains the epicenter of the greatest madness of the occupiers" and that Russian soldiers were dying "by the hundreds" every day.

<https://www.cbc.com/2022/11/08/russia-ukraine-live-updates-.html?&qsearchterm=nuclear>

The nuclear arms race grows from two to three major competing powers

The New York Times, November 11, 2022

Every president since the end of the Cold War has published a review of the U.S. approach to nuclear weapons: their purpose, scope and prospects. President Biden's Nuclear Posture Review, completed some time ago but declassified late last month, forecasts dark clouds on the horizon. What was a competition between two nuclear superpowers, the United States vs. the Soviet Union and then Russia, is growing to three.

<https://www.washingtonpost.com/opinions/2022/11/11/nuclear-posture-review-three-powers/>

Exclusive: U.S., EU powers push IAEA board to order Iran to cooperate urgently

Reuters, November 11, 2022

The United States, Britain, France and Germany want the U.N. nuclear watchdog's board to pass a resolution calling it "essential and urgent" for Iran to explain uranium traces found at three undeclared sites, their text seen by Reuters showed.

<https://www.reuters.com/world/middle-east/us-e3-push-iaea-board-say-iran-must-cooperate-urgently-text-2022-11-11/>

U.S., Centrus Energy in pact to make next-generation nuclear fuel

Reuters, November 12, 2022

The U.S. government and a unit of Centrus Energy Corp (LEU.A) have signed an agreement to start producing fuel expected to be used in next generation nuclear reactors after the process was delayed by the COVID-19 pandemic.

<https://www.reuters.com/business/energy/us-centrus-energy-pact-make-next-generation-nuclear-fuel-2022-11-11/>

US studying how to modify powerful armed drone as Ukrainian demand grows

CNN, November 14, 2022

As Russian forces have retreated in Ukraine's south, the Biden administration has announced a slew of new military aid packages for Ukraine, but all were missing a piece of weaponry that Ukraine's military has long sought: the multi-use Gray Eagle drone, armed with Hellfire missiles. According to two officials, the US has been looking into modifications that can be made to the deadly drone. Changes that would make the potential of losing any – with their sensitive onboard technology – less of a danger and possibly increase the likelihood of Ukraine receiving them.

<https://edition.cnn.com/2022/11/14/politics/us-ukraine-military-drones-gray-eagle/index.html>

USA-Ukraine announce cooperation on clean fuels from SMRs

WNN, November 14, 2022

Ukraine and the USA have announced a project to demonstrate the production of hydrogen and ammonia using small modular reactor (SMR) and innovative electrolysis technologies in Ukraine. The public-private consortium also includes Japanese and South Korean companies.

<https://www.world-nuclear-news.org/Articles/USA-Ukraine-announce-cooperation-on-clean-fuels-fr>

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<https://edition.cnn.com/2022/11/14/politics/us-ukraine-military-drones-gray-eagle/index.html>

U.S. to spend \$66 mln on new facilities at Philippines military bases

Reuters, November 15, 2022

The Philippines on Tuesday said defence ally the United States had agreed to spend \$66.5 million to start building training and warehouse facilities at three of its military bases, under a 2014 joint security deal.

<https://www.reuters.com/world/us-spend-66-mln-new-facilities-philippines-military-bases-2022-11-15/>

West Asia

M. Iran

UNSC not to hold session on Iran

Islamic Republic News Agency, November 2, 2022

President of the United Nations Security Council Harold Adlai Agyeman distanced himself from the media dictatorship of the West and the US media campaign saying that the UNSC will not hold a session on Iran. He made the remarks in response to the IRNA correspondent's question regarding the US attempt to hold a session on Iran's internal affairs. The issue of the Iran nuclear agreement (JCPOA) is discussed in the Security Council, but the situation in Iran is not reviewed by the Security Council. He noted that the sessions are not technically categorized as UNSC meetings. We follow the issue of Iran only at the national level and consider it within the framework of Iran's sovereignty, he stated.

<https://en.irna.ir/news/84930440/UNSC-not-to-hold-session-on-Iran>

FM: Iranian delegation due in Vienna for talks with IAEA

Islamic Republic News Agency, November 2, 2022

Iranian Foreign Minister Hossein Amirabdollahian said on Wednesday that an Iranian delegation is to visit the Austrian capital in coming days for talks with the International Atomic Energy Agency (IAEA). The foreign minister made the remarks in a joint press conference in Tehran with his Syrian counterpart Faisal Mekdad. He said that Iran's trade exchanges with Syria have risen in a significant way when compared to figures from the preceding year. Amirabdollahian expressed hope that the visit to Vienna by the Iranian delegation will help resolve the outstanding issues between Iran and the UN nuclear agency. He said that he will have a phone conversation later today with UN foreign policy chief Josep Borrell in which they will make the last coordination for the talks.

<https://en.irna.ir/news/84931121/FM-Iranian-delegation-due-in-Vienna-for-talks-with-IAEA>

Iran: Conveyed message to US has 'constructive' approach

Islamic Republic News Agency, November 3, 2022

Iran's Foreign Minister Hossein Amirabdollahian told EU Foreign Policy Chief Josep Borrell on Wednesday that the Islamic Republic had maintained a constructive approach in its views presented to the United States on the revival of the 2015 nuclear deal. Amirabdollahian was referring to a message Iran recently conveyed to the US through the European Union. He said that Iran is ready to reach a good, lasting and strong agreement on the revival of the 2015 deal, known as the JCPOA. The two diplomats, during their phone conversation, discussed other issues as well, including the war in Ukraine. Amirabdollahian told Borrell that Iran wants an end to the war. On the recent riots in Iran, the foreign minister said that the harsh stance some European officials took on those riots resulted in violence in Europe too.

<https://en.irna.ir/news/84931260/Iran-Conveyed-message-to-US-has-constructive-approach>

Iran Successfully Launches Qaem 100 Solid Fuel Suborbital Carrier

Fars News Agency, November 5, 2022

The Aerospace Force of Iran's Islamic Revolution Guards Corps (IRGC) successfully launched Qaem 100 three-stage solid fuel suborbital carrier. Qaem 100, the first of its kind manufactured by Iranian scientists, is capable of putting satellites weighing up to 80 kilograms into orbit 500 kilometers from the earth's surface. The launch vehicle's solid-fueled first-stage engine, which had been subjected to ground tests early this year, successfully completed its first suborbital spaceflight on Saturday. That means, according to IRGC officials, that Qaem 100 is now ready to launch Nahid, a satellite manufactured by Iran's Ministry of Information and Communications Technology, into orbit in the near future. Commander of the IRGC Aerospace Force

Brigadier General Amir Ali Hajizadeh and other senior military officials supervised the flight test of the satellite carrier.

<https://www.farsnews.ir/en/news/14010814000818/Iran-Successfully-Launches-Qaem-00-Slid-Fel-Srbial-Carrier>

Iran plans to upgrade atomic energy schools: AEOI chief

Islamic Republic News Agency, November 5, 2022

Head of the Atomic Energy Organization of Iran (AEOI) Mohammad Eslami has underscored that his organization is determined to provide students with better equipment to improve the training situation at nuclear energy schools throughout the country. Eslami made the remarks in a ceremony commemorating the National Day of Fighting Global Arrogance or Student Day, noting that the Islamic country is in dire need of scientific, talented and hardworking humans more than ever. Nobody will do a thing for us; so, we should try and go ahead in the path of progress in accordance with believing in our homeland and protecting the flag of the country, he underlined, adding that we should not be trapped in fake and unfounded storytelling.

<https://en.irna.ir/news/84933340/Iran-plans-to-upgrade-atomic-energy-schools-AEOI-chief>

Iran Unveils Advanced Home-Made Missile Defense System

Fars News Agency, November 6, 2022

New edition of Iran's homegrown missile defense system, Bavar-373 with an extended engagement range of 300 kilometers, called Sayyad 4B was unveiled on Sunday in the presence of Iran's Defense Minister Brigadier General Mohammad Reza Ashtiani. The Sayyad 4B guided missile production line was inaugurated on Sunday. Iranian engineers have increased the range of the Bavar-373 long-range road-mobile surface-to-air missile system to 300 km. Bavar 373, as the first Iranian indigenous long-range defense system which was unveiled in August 2019, is a mobile missile defense system designed to intercept and destroy

incoming hostile targets. The Bavar-373 air defense missile system is a product of creativity and reliance on internal capabilities in terms of design, development, and deployment of a strategic missile system.

<https://www.farsnews.ir/en/news/14010815000398/Iran-Unveils-Advanced-Home-Made-Missile-Defense-System>

Iran Unveils Advanced Home-Made Missile Defense System

Fars News Agency, November 6, 2022

Spokesman of the Iranian Armed Forces categorically dismissed allegations by the United States and Ukraine that the Islamic Republic is involved in the war in Ukraine. "The ruling regime in Ukraine is totally subservient to the Zionists and the Americans," Spokesman of the Iranian Armed Forces Brigadier General Abolfazl Shekarchi said. "These remarks and accusations attributed to Iran by the presidents of the United States and Ukraine are sheer lies and slander," he added. General Shekarchi reiterated that Iran has had military equipment exchanges with Russia which date back to years before the war between Moscow and Kiev, and said that "Iran is not involved in the war between these two states".

<https://www.farsnews.ir/en/news/14010815000629/Top-Military-Spokesman-Dismisses-US-Ukraine-Allegations-Iran's-Role-in>

Minister: Bavar-373 Missile Defense Capable of Confronting Ballistic Missiles

Fars News Agency, November 6, 2022

Iran's Defense Minister Brigadier General Mohammad Reza Ashtiani announced that Bavar-373 missile defense has the capability of confronting ballistic missiles. Addressing the unveiling ceremony of the extended homegrown missile defense system, Bavar 373 and the Sayyad-4 guided missile production line, General Ashtiani said that Iran's Defense Ministry

has the mission of providing the armed forces with weapons and equipment to confront the threats to the country. This missile defense can deal with stationary aerial targets, ballistic missiles and all kinds of fighter and bomber planes, he added. General Ashtiani reiterated that the defense system can destroy 6 targets, and many countries with technology in the world are keen on having such a system.

<https://www.farsnews.ir/en/news/14010815000856/Miniser-Bavar-33-Missile-Defense-Capable-f-Cnfrning-Ballistic-Missiles>

Military Chief: Iran Ready to Share Defense Experiences with Iraq

Fars News Agency, November 8, 2022

Chief of Staff of the Iranian Armed Forces Major General Mohammad Baqeri said that Tehran is ready to transfer its experiences in defense and anti-terrorism fields to Iraq. Maj. Gen. Baqeri made the remark in a Monday phone call with new Iraqi Minister of Defense Thabet Muhammad Al-Abbasi. "The Armed Forces of the Islamic Republic of Iran enjoys high potentialities and capabilities in various fields, including the fight against terrorism and defense industry and can transfer this experience and knowledge to the Iraqi armed forces to help bolster security in Iraq," the Iranian commander noted. "The level of the two countries' military relations does not conform to my expectations. The two countries' people and armed forces must have excellent relations with each other and [realization of] this issue is among important responsibilities of me and you," he added.

<https://www.farsnews.ir/en/news/14010817000091/Military-Chief-Iran-Ready-Share-Defense-Experiences-wih-Ira>

Iran envoy to UN says IAEA should act independently

Islamic Republic News Agency, November 10, 2022

Iran's Permanent Envoy to the United Nations Amir Saeed Iravani said that the UN nuclear watchdog should not be under

control of big powers. The Iranian envoy was speaking at the UN General Assembly plenary meeting on the report of the International Atomic Energy Agency (IAEA) for 2021 on Wednesday. He said that nuclear energy plays a key role in the socioeconomic development of countries. That's an issue which has been clearly mentioned in the charter of the IAEA, and obliges the agency to help its member states in the peaceful use of nuclear energy, Iravani added. He noted that the IAEA's duty to verify member states' activities and concerns over nuclear proliferation should not turn into a hurdle in the way of peacefully using nuclear energy as an inalienable right of the member states.

<https://en.irna.ir/news/84937849/Iran-envoy-to-UN-says-IAEA-should-act-independently>

Military Chief: Using Iranian Drones in Tajikistan-Kyrgyzstan Dispute Unacceptable to Tehran

Fars News Agency, November 10, 2022

Chief of Staff of the Iranian Armed Forces Major General Mohammad Baqeri said that Tehran has asked Dushanbe not to employ Iranian drones in the border clashes with neighboring Kyrgyzstan. Maj. Gen. Bagheri held a telephone conversation with the Kyrgyz Defense Minister General Lieutenant Baktybek Bekbolotov on Wednesday. The chief of staff of Iran's Armed Forces noted that Tehran is ready to peacefully resolve the border dispute between Kyrgyzstan and Tajikistan. Pointing to the issue of delivering Iranian drones to Tajikistan, he stated that "Ababil 2" drones have only reconnaissance capability and are not equipped with weapons and offensive equipment. "The Iranian Armed Forces have always emphasized that the Tajik Armed Forces should not use 'Ababil 2' drones in the border disputes against Tajikistan," the top commander stressed.

<https://www.farsnews.ir/en/news/14010819000240/Military-Chief-Using-Iranian-Drones-in-Tajikistan-Kyrgyzstan-Dispe>

Iran Develops Hypersonic Ballistic Missile Able to Overcome All Air Defense Shields

Fars News Agency, November 10, 2022

Islamic Revolution Guards Corps (IRGC) Aerospace Commander Brigadier General Amir Ali Hajizadeh hailed Iran's high capability in production of different military equipment, and said that the country has manufactured a hypersonic ballistic missile which enjoys advanced technologies to penetrate all types of advanced air defense systems. Speaking to reporters on Thursday, Brig. Gen. Hajizadeh noted Iran has managed to develop cutting-edge hypersonic ballistic missile which is capable of penetrating advanced missile interception systems and hit the targets. The top commander stated that the missile, newly manufactured by Iranian experts, is very fast and able to maneuver both in the space and outer space.

"The missile can target the enemy's anti-missile systems and is a great generational leap in the missile field," he added. "I don't think any technology would be found for tens of years capable of countering it," the IRGC commander declared.

<https://www.farsnews.ir/en/news/14010819000317/Iran-Develops-Hypersonic-Ballistic-Missile-Able-Overcome-All-Air-Defense>

FM: Iran's Weapons Trade Not Included in UNSC Resolution 2231

Fars News Agency, November 12, 2022

Iranian Foreign Minister Hossein Amir Abdollahian once again rejected the Western states' claims over his country's involvement in the Russia-Ukraine war, but meantime said that the UN Security Council Resolution 2231 is not restricting Tehran's exports and imports of weapons. Amir Abdollahian made the remarks during a Friday phone call with his Bulgarian counterpart Nikolay Milov. The Iranian diplomat dismissed Western allegations that Tehran has been providing drones to Moscow to use in the Ukraine war. "According to Security Council Resolution 2231, we do not have a ban on the export

and import of weapons, but we have not given any weapons to Russia to use in the Ukraine war," he stated. The foreign minister added that Tehran also opposes the expansion of NATO in the region.

<https://www.farsnews.ir/en/news/14010821000313/FM-Iran's-Weapons-Trade-Not-Included-in-UNSC-Reslin-223>

Top Commander: Enemy's Drones in Crosshairs

Fars News Agency, November 14, 2022

Commander of the Iranian Army Major General Abdolrahim Mousavi underlined Tehran's high military capabilities and deterrence power, and warned enemies that their drones are within the range of the country's advanced air defense system 'Bavar-373'. Maj. Gen. Mousavi stated that development of the highly advanced defense system was a great achievement which required a combination of knowledge and complicated technology. "The hegemony of Western media prevents Iran from showing its defensive achievements to the world," he added. The senior commander noted that the 'Bavar 373' system is capable of targeting offensive drones at a range of 304km.

<https://www.farsnews.ir/en/news/14010823000182/Top-Commander-Enemy's-Drones-in-Crosshairs>

IRGC Pounds Terrorists' Positions in Iraq's Kurdistan

Fars News Agency, November 14, 2022

The Islamic Revolution Guards Corps (IRGC) conducted a fresh round of military strikes on anti-Iran terror groups in Iraq's semi-autonomous Kurdistan region with in a barrage of missile and drone attacks. The IRGC's Ground Force smashed the the strongholds of terror groups in Kurdistan region in Northern Iraq on Monday, with ballistic missiles and suicide drones. Commander of the Islamic Revolution Guards Corps (IRGC) Ground Force Brigadier General Mohammad Pakpour gave details of the fresh round of military operation, saying his forces are

cautious to prevent any collateral damage. He added that attacks on the positions of terrorists based in Northern Iraq involved the strongholds that were away from centers of population.

<https://www.farsnews.ir/en/news/14010823000252/IRGC-Pnds-Terriss'-Psiins-in-Ira's-Krdisan>

Iran FM, EU's Borrell discuss JCPOA on phone

Islamic Republic News Agency, November 15, 2022

Iran's Foreign Minister Hossein Amirabdollahian and EU Foreign Policy Chief Josep Borrell discussed the negotiations aimed at reviving the 2015 Iran nuclear deal and removing sanctions against the country. Those negotiations began in April 2021, three years after the US pulled out of the nuclear deal and threw it into disarray. The talks, however, have been stopped for several months now over what Iran calls a lack of political decision by the United States to return to its commitments under the accord. Amirabdollahian and Borrell held their talks on phone Monday night. They also talked about Iran's cooperation with the International Atomic Energy Agency, the IAEA.

<https://en.irna.ir/news/84943206/Iran-FM-EU-s-Borrell-discuss-JCPOA-on-phone>

Iran terms Israel as main obstacle to creating ME free of WMD

Islamic Republic News Agency, November 15, 2022

The ambassador and permanent representative of the Islamic Republic of Iran to the United Nations described the Zionist regime of Israel as the main obstacle to creating a Middle East free of weapons of mass destruction. "Such baseless accusations against Iran are raised in a situation where the main threat and obstacle to creating a Middle East free of weapons of mass destruction, namely, Israel, is provenly equipped with all types of these inhumane weapons," Amir Saied Iravani said addressing the Third Session of the

Conference on the Establishment of a Middle East Zone Free of Nuclear Weapons and Other Weapons of Mass Destruction.

<https://en.irna.ir/news/84943414/Iran-terms-Israel-as-main-obstacle-to-creating-ME-free-of-WMD>

N. Israel

Netanyahu ally: I believe he'll strike in Iran if nuclear talks fail, US doesn't act

The Times of Israel, November 4, 2022

A longtime ally of opposition leader Benjamin Netanyahu said he believes the presumed incoming prime minister will order a strike on Iran's nuclear facilities if the US does not secure a new nuclear deal with Tehran and fails to take action itself. Speaking to Channel 12 news on Friday, Tzachi Hanegbi said that in such a situation, Netanyahu "will act, in my assessment, to destroy the nuclear facilities in Iran." Hanegbi, a longtime Likud MK and former minister who is not expected to make it into the next Knesset (after placing 46 on the party's slate in primaries), has made threats of a potential Israeli strike in the past to prevent Iran from developing a nuclear weapon.

<https://www.timesofisrael.com/netanyahu-ally-i-believe-hell-strike-in-iran-if-nuclear-talks-fail-us-doesnt-act/>

Russia said to threaten retaliation if Israel supplies defense aid to Ukraine

The Times of Israel, November 4, 2022

Russia has warned Israel that it will retaliate if Jerusalem sends defensive weapons to Ukraine, according to US media. Citing two unnamed sources familiar with Russian policy, Bloomberg news reported that Russia would respond if Israel passed along air-defense systems directly or through a third party to Ukraine. The report did not specify what action Moscow might take. Jerusalem has seemed to warm to the idea of supplying

defensive equipment as Iran supplies the Kremlin with attack drones. Prime Minister Yair Lapid told Ukraine's foreign minister in October that Moscow's ties with Tehran put "the whole world in danger." However, the coming change of government in Israel leaves future policy under question. Benjamin Netanyahu, who is expected to form the next government, has been known for his good relations with Russian President Vladimir Putin.

<https://www.timesofisrael.com/russia-said-to-threaten-retaliation-if-israel-supplies-defense-aid-to-ukraine/>

Israel fires missiles at Hamas military training camp in Gaza in reply to rocket attack

Arab News, November 4, 2022

A Hamas military training camp on Friday came under missile attack in the first Israeli bombardment of Gaza for three months. Palestinian sources said Israeli warplanes fired around 13 missiles at a site in Maghazi used by Al-Qassam Brigades, the military wing of Hamas. The early morning strike was carried out in response to the launching on Thursday evening of three rockets from Gaza toward Israeli towns. No injuries or damage were reported in Thursday's attack and no Palestinian group has claimed responsibility for it. Sources said security chiefs in Israel believed the rockets had been fired from Gaza in retaliation for the same day killing of the leading Islamic Jihad movement member, Farouk Salameh, during an Israeli military operation.

<https://www.arabnews.com/node/2193711/middle-east>

Iran's weapons are slowly dragging Israel to Ukraine's defense

The Japan Times, November 5, 2022

After months of reluctance, Israel is softening its opposition to providing military aid to Ukraine, as Iran's deepening support for Russia's invasion evolves into a threat to Israeli security. A turning point came late

last month, when Israeli Defense Minister Benny Gantz took a long-requested call from his Ukrainian counterpart Oleksii Reznikov. Israel committed to help Ukraine develop an early-warning system, similar to one that alerts Israelis to incoming fire from the Gaza Strip. Gantz also agreed to assess Ukraine's air-defense alert needs, though Israel is declining to provide Ukraine the means to shoot down incoming drones and missiles.

<https://www.japantimes.co.jp/news/2022/11/05/world/israel-ukraine-defense/>

Gantz: Israel doesn't have production capacity to supply air defense systems to Ukraine

The Jerusalem Post, November 9, 2022

Israel does not have the production capabilities to supply Ukraine with air defense systems, outgoing Defense Minister Benny Gantz said Tuesday. "It is clear that even if it decided that we change our policy, it is impossible to empty our supply of air defense systems," Gantz told reporters. "We are checking every day what can be done and how we can expand our aid, but we must not forget that NATO stands behind Ukraine." Israel's air defense systems, including the Iron Dome and Arrow systems, are jointly produced with the United States. Last year Washington passed a \$1 billion USD funding bill to replace the Tamir missile interceptors used in Iron Dome batteries after they were used to intercept the over 4,300 missiles fired by Hamas and Palestinian Islamic Jihad during Operation Guardian of the Walls in May 2021.

<https://www.jpost.com/israel-news/article-721882>

Netanyahu pressed on supplying weapons to Ukraine

Al-Monitor, November 9, 2022

Ukrainian President Volodymyr Zelenskyy was one of the first world leaders to congratulate Benjamin Netanyahu on his

election victory, first on Twitter and then by phone. The call took place Nov. 7 and was friendly. Reports said Zelenskyy asked for Israeli arms and invited Netanyahu to visit Kyiv. Netanyahu reportedly promised to examine the arms issue once formally entering office. After this conversation, Zelenskyy tweeted again: "I had a phone call with Netanyahu. I congratulated him on winning the elections and wished him a successful formation of the new government. I expressed hope that the level of Ukrainian-Israeli interaction will correspond to the security challenges facing our countries." Over the past few months Zelenskyy has often expressed his disappointment over Israel's refusal to supply Ukraine with Iron Dome batteries against missiles and other weapons.

<https://www.al-monitor.com/originals/2022/11/netanyahu-pressed-supplying-weapons-ukraine#ixzz7lGtVUqzk>

In a First, Israeli General Opens Up About Use of Armed Drones

Haaretz, November 9, 2022

Israel on Wednesday described what has been an open secret for two decades – that it has used drones not just for surveillance but also in strikes within the country, against Palestinian militants in Gaza, and possibly targets as far away as Iran or Sudan. Israeli censors in July permitted publication of information about the armed drones and the chief of Israel's artillery corps – which runs the drones together with the air force – used his speech at an industry forum to give what he described as a first public account of the armed versions of the pilotless planes. Whereas previously he could only offer hints, "today I can speak of this openly," Brigadier-General Neri Horowitz told the annual UVID Drone Tech conference hosted by Israel Defense magazine in Tel Aviv.

<https://www.haaretz.com/israel-news/2022-11-09/ty-article/in-a-first-israeli-general-opens-up-about-use-of-armed-drones/00000184-5c9d-daa9-adf5-fd4dbb60000>

About 70,000 Bullets, 70 Grenades Stolen From Army Base in Golan Heights

Haaretz, November 12, 2022

About 70,000 5.56 mm bullets and 70 grenades were stolen from an Israel Defense Forces base in the Golan Heights overnight Saturday, the military reported. Police confirmed that the Tznohar base was broken into and robbed of weaponry, and that six suspects have been arrested in connection with the case thus far. According to inventory counts carried out at the base during the night, about 70,000 5.56 mm bullets and 70 grenades were taken from the site, among other things. The military reported that "The circumstances of the theft are being investigated by the Military Police, and at the end of the investigation, the findings will be handed over to the Military Advocate General for examination."

<https://www.haaretz.com/israel-news/2022-11-12/ty-article/.premium/weapons-stolen-from-israeli-military-base-army-says/00000184-6bc8-d89b-a9c4-7fce42d40000>

Ukrainian Army Spotted Using Israeli-Made Armored Vehicles

The Défense Post, November 14, 2022

The Ukrainian Army was spotted using several Israeli-made armoured vehicles for the first time in the newly-liberated city of Kherson. A Twitter account that tracks weapons and equipment supplied to Ukraine showed photos of the Gaia Amir Mine-Resistant Ambush Protected (MRAP) vehicles used in the invasion. They were parked along residential buildings in an unspecified village in the Kherson region and are believed to have taken a large part in Ukraine's retaking of the city. While there is no information on how these vehicles appeared in the war-torn nation, Israel has made it clear that it would not supply military aid to Kyiv. The Middle Eastern country only agreed

to send humanitarian aid and early warning systems due to “operational restrictions.”

<https://www.thedefensepost.com/2022/11/14/ukrainian-army-israel-armored-vehicles/>

Under Secretary of Defense for Policy Dr. Colin Kahl’s Travel to Israel, Bahrain, and United Arab Emirates

US Department of Defense, November 15, 2022

Under Secretary of Defense for Policy Dr. Colin Kahl departed for international travel to the Middle East, November 14. He arrived in Israel today with follow-on visits to Bahrain and United Arab Emirates this week. In Israel, Under Secretary Kahl will meet with senior members of the Israeli Ministry of Defense, lead the U.S. delegation to the Defense Policy Advisory Group to discuss shared security interests, and visit some of Israel’s most innovative defense technology companies to see demonstrations of cutting-edge emerging and critical capabilities.

<https://www.defense.gov/News/Releases/Release/Article/3218343/under-secretary-of-defense-for-policy-dr-colin-kahls-travel-to-israel-bahrain-a/>

Israel accelerating Arrow-4, sensor development due to Iranian hypersonic threat

Breaking Defense, November 15, 2022

While Israeli intelligence is trying to confirm Iran’s recent declaration that it has successfully developed a hypersonic ballistic missile, the Israeli Defense Forces have already been anticipating such an announcement — and in the last two months have begun accelerating efforts to develop measures to counter the potential new threat, sources say. Concerns about hypersonic weapons are not new, and Israel started work some years ago on developing the advanced Arrow-4 interceptor, once it became clear that Iran was working to develop more versions of long-range missiles, including cruise missiles. But once Israeli intelligence confirmed that

hypersonic missiles were on the wish list for Iran and assessed that Teheran was trying to get relevant technologies, especially from North Korea, a new push began to counter that threat.

<https://breakingdefense.com/2022/11/israel-accelerating-arrow-4-sensor-development-due-to-iranian-hypersonic-threat/>

O. Sabbagh

Sabbagh: Western countries’ insistence to hold UNSC sessions on chemical file in Syria unacceptable

Syrian Arab News Agency, November 7, 2022

Syria’s permanent representative to the UN, Ambassador Bassam Sabbagh, said on Monday that the Western countries’ baseless accusations against Syria on the chemical file are illegal, unprofessional and categorically rejected. “Those accusations come in the framework of the western hostile campaigns against Syria that aim to impede Syria’s stability and security and destroy its capabilities,” Sabbagh said at UN Security Council session on the Chemical File in Syria. He wondered why the UN Security Council insists to hold sessions about “the chemical file” in Syria without convening any session to discuss the negative impacts of the western blockade imposed on the country. “The feverish endeavors of western states to hold such debates and repeat the same accusations against Syria are unacceptable and don’t suit their duties according to the UN convention on keeping international peace and security.” Sabbagh added.

<https://sana.sy/en/?p=289509>

Iran: holding successive UN meetings on chemical weapons file in Syria is evidence of politicization

Syrian Arab News Agency, November 8, 2022

Iran’s Ambassador and Permanent Representative to the United Nations Amir

Saeed Iravani, has criticized the holding of successive meetings of the UN Security Council on the chemical weapons file in Syria despite its full cooperation in this regard, considering that this reinforces the suspicion of politicization and the repeated accusations against Damascus. Iravani's remarks came in a speech during a meeting of the UN Security Council on the "Syrian chemical file." "The holding of meetings related to this file in the Security Council at short intervals without change reinforces the suspicion of politicization and the repetition of accusations against Syria," the Iranian diplomat said. He added that "the Syrian Government's move to submit a monthly report to the Director-General of the Organization for the Prohibition of Chemical Weapons (OPCW) on the details of the destruction of such weapons and their production facilities deserves to be appreciated."

<https://sana.sy/en/?p=289537>

Ambassador Sabbagh: Establishing weapons of mass destruction free-zone in the Middle East requires Israel's accession to the non-proliferation treaty

Syrian Arab News Agency, November 14, 2022

Syria's permanent representative to the United Nations, Ambassador Bassam Sabbagh affirmed that the establishment nuclear weapons free-zone and other weapons of mass destruction in the Middle East requires Israel's accession to the non-proliferation treaty, noting that the protection umbrella provided by Western countries, led by the United States, has contributed to its unilateral possession and development of weapons of mass destruction and its refusal to subject its nuclear facilities to international supervision, which made it the main source of threat to peace and security in the region.

Sabbagh said in a statement on Monday before the third session of the conference on the establishment of nuclear weapons a zone

free and other weapons of mass destruction in the Middle East: Our conference is held after the tenth review conference of the Treaty on the Non-Proliferation of Nuclear Weapons, in which we were unable to identify practical steps that guarantee the effective implementation of the Middle East resolution of 1995, which is a major part on the basis of which the non-definitive extension of the Treaty on the Non-Proliferation of Nuclear Weapons was made, and a fundamental pillar in supporting the non-proliferation regime on the regional level.

<https://sana.sy/en/?p=290245>

P. Turkey

Türkiye to export long-range artillery missile Khan to Indonesia

Daily Sabah, November 3, 2022

Major Turkish defense manufacturer Roketsan announced its first export deal for the land-to-land, long-range artillery system Khan to Indonesia, a company official said Thursday. Talking to Anadolu Agency (AA), Roketsan's Assistant General Manager Murat Kurtulu^o mentioned the importance of the Southeast Asian market for the company noting that the region's developing economy and population, as well as its geopolitical effects, will continue to play an important role in the upcoming years. His statements came during the Indo Defense Expo & Forum 2022 held in Jakarta, where several Turkish defense industry companies took place together with Roketsan. Pointing to Roketsan's product variety, Kurtulu^o said, as one of the leading Turkish defense companies, they have signed two agreements with the Indonesian Ministry of Defense under the coordination of Türkiye's Presidency of Defense Industries (SSB).

<https://www.dailysabah.com/business/defense/turkiye-to-export-long-range-artillery-missile-khan-to-indonesia>

US may approve F-16 sale to Türkiye in two months, Erdogan's spokesman says

Arab News, November 4, 2022

President Tayyip Erdogan's spokesman said the process of the United States approving the sale of F-16 fighter jets to NATO member Türkiye was going well and could be completed within a couple of months. Türkiye made a request to the United States in October 2021 to buy 40 Lockheed Martin Corp. F-16 fighters and nearly 80 modernization kits for its existing warplanes to update its air force after the purchase of F-35s fell through. CNN Turk cited spokesman Ibrahim Kalin as saying in an interview with the broadcaster on Thursday evening that the administration of President Joe Biden was making sincere efforts on the issue.

<https://www.arabnews.com/node/2193491/middle-east>

Turkish award-winning arms maker CANiK to open factory in US

Daily Sabah, November 7, 2022

Turkish defense company Samsun Yurt Savunma (SYS), which took to the global stage with its brand CANiK, one of the world's leading light weapons manufacturers, will open a new weapons factory in the United States, as early as February 2023, according to the company's officials. Utku Aral, SYS' general manager said that construction of the weapons factory located in the U.S. state of Florida will be completed in February 2023, while the machinery will be settled in March, and production is set to start in the second quarter. Speaking on the construction and production capacity of the factory Aral noted that it was planned to increase the total monthly production capacity to 8,000 units in the first stage and then to 15,000 per month gradually in 2023.

<https://www.dailysabah.com/business/defense/turkish-award-winning-arms-maker-canik-to-open-factory-in-us>

Turkey points to Kurdish militants for deadly Istanbul bombing

Al-Monitor, November 14, 2022

Ankara pointed the finger at the outlawed Kurdistan Workers Party (PKK) and its Syrian offshoot as the hand behind Sunday's bomb attack in a bustling pedestrian street in central Istanbul that killed at least six people and wounded 80. "Our assessment is that the order for the deadly terror attack came from Ayn al-Arab [Kobani, a Kurdish-majority city in northern Syria], where the PKK/YPG has its Syrian headquarters," Suleyman Soylu, Turkey's iron-fisted interior minister, said early Monday. YPG refers to the People's Protection Units, the military wing of Syria's Kurdish Democratic Union Party (PYD). Turkey considers both the YPG and PYD terrorist groups and repeatedly urges its allies to sever ties with both. Within hours of Soylu's initial statement, the Istanbul police released footage of a house raid carried out in the early hours of Monday and announced that they had arrested a Syrian woman, Ahlam Albashir, who admitted to planting the bomb.

<https://www.al-monitor.com/originals/2022/11/turkey-points-kurdish-militants-deadly-istanbul-bombing#ixzz7ILMSW4G5>

28 Turkish companies participate in Pakistan's defense expo

Anadolu Agency, November 15, 2022

Some 28 leading defense manufacturers from Türkiye are showcasing their military hardware at a defense fair that began in Pakistan's southern port city of Karachi on Tuesday. Over 500 international defense manufacturers and over 260 delegates from 64 countries are taking part in the four-day defense exhibition, a leading defense expo in South Asia. The biennial event billed as "IDEAS 2022," is taking place after a gap of four years as the 2020 fair could not take place due to the coronavirus pandemic. Apart from Türkiye, defense manufacturers from

China, the US, the UK, European Union, the Middle East, Central Asia, and Africa are showcasing their products at the 11th edition of the fair, according to Maj. Gen. Mohammad Arif Malik, the head of the country's defense exports promotion authority.

<https://www.aa.com.tr/en/asia-pacific/28-turkish-companies-participate-in-pakistans-defense-expo/2738152>

US govt to continue to support F-16 sale to Türkiye: Biden

Daily Sabah, November 15, 2022

U.S. President Joe Biden on Tuesday said that his government will continue to support the potential sale of F-16 fighter jets to Türkiye. The remarks came during a closed-door meeting between President Recep Tayyip Erdoğan and Biden on the sidelines of the G-20 summit in Bali, Indonesia. Both presidents discussed bilateral relations between the two countries, particularly trade and security issues, and regional developments, according to a Directorate of Communications statement. Biden thanked Erdoğan for his efforts to help remove obstacles in the Istanbul grain deal and to resume the exports from Ukrainian ports, the statement read.

<https://www.dailysabah.com/business/defense/us-govt-to-continue-to-support-f-16-sale-to-turkiye-biden>

East Asia

Q. North Korea

North Korea threatens to use nuclear weapons during South Korea, U.S. drills

PBS, November 1, 2022

North Korea issued a veiled threat Tuesday to use nuclear weapons to get the U.S. and South Korea to "pay the most horrible price in history," an escalation of its fiery rhetoric targeting the ongoing large-scale military drills between its rivals. Animosity on the Korean Peninsula has been running high in recent months, with North Korea testing

a string of nuclear-capable missiles and adopting a law authorizing the preemptive use of its nuclear weapons in a broad range of situations. Some experts still doubt North Korea could use nuclear weapons first in the face of more superior U.S. and South Korean forces. North Korea has argued its recent weapons tests were meant to issue a warning to Washington and Seoul over their series of joint military drills that it views as an invasion rehearsal, including this week's exercises involving about 240 warplanes.

<https://www.pbs.org/newshour/world/north-korea-threatens-to-use-nuclear-weapons-during-south-korea-u-s-drills>

North Korea fires suspected ICBM in latest missile barrage

Financial Times, November 3, 2022

North Korea fired at least three ballistic missiles on Thursday, including a possible failed intercontinental ballistic missile, stoking already high tensions on the Korean peninsula. The show of force followed the most intense series of launches in North Korea's history on Wednesday, when Pyongyang fired at least 23 missiles and 100 artillery shells west into the Yellow Sea and east into the Sea of Japan, which is known in Korea as the East Sea. North Korea has fired more missiles within a 24-hour period this week than during the entirety of 2017, when it conducted its last nuclear test. South Korea responded to the salvo by firing three precision air-to-surface missiles into waters north of a disputed maritime boundary between the two countries.

<https://www.ft.com/content/8cbe4f35-830f-4b60-a73b-5e3408cd2540>

North Korea missile salvo hits the law of diminishing returns

The Japan Times, November 4, 2022

After 27 missile launches in two days, including a long-range projectile that failed to overpass Japan and another that crossed a nautical border with South

Korea, one thing is clear: North Korea is getting diminishing returns from its theatrics. During the “fire and fury” era in 2017, a missile overpass of Japan caused gold to rise, Japanese stocks to fall and Treasuries to rally, as a military confrontation seemed to some to be inevitable. These days, markets are more concerned with Jerome Powell than Kim Jong Un. That might be partly explained by the fact that Japan was enjoying a sleepy fall holiday when the suspected intercontinental ballistic missile was launched. But Pyongyang’s sound and fury increasingly signifies very little. Useful as they may be to intelligence agencies looking to gauge an enemy’s capabilities, the missile launches have long since lost the ability to scare.

<https://www.japantimes.co.jp/opinion/2022/11/04/commentary/japan-commentary/north-korea-missiles/>

US to deploy more nuclear-capable warplanes around Korean peninsula

Financial Times, November 4, 2022

The US plans to deploy more nuclear-capable warplanes around the Korean peninsula, in an effort to boost deterrence as North Korea steps up missile launches and prepares for a possible nuclear test. Speaking at the Pentagon hours after North Korea launched several missiles, including an intercontinental ballistic missile, South Korean defence minister Lee Jong-sup said the US would increase the frequency of deployments of nuclear-capable assets to the Korean peninsula. At a news conference with US defence secretary Lloyd Austin, Lee said Austin had pledged to respond to Pyongyang’s provocations by “employing US strategic assets to the level equivalent to constant deployment through increasing the frequency and intensity of strategic asset deployment in and around the Korean peninsula”.

<https://www.ft.com/content/6cb994bc-e75d-43d7-91d8-e4ba7ae0b52f>

North Korea continues frenetic pace of missile launches as U.S. B-1B bombers fly to South

The Japan Times, November 5, 2022

North Korea fired off four short-range ballistic missiles into the Yellow Sea on Saturday, Seoul said, as the U.S. deployed two B-1B bombers for joint military drills with South Korea. The South Korean military said it had detected the launches from the Tongrim county area in the country’s northwest, near its border with China, between around 11:32 a.m. and 11:59 a.m., the Yonhap news agency reported. The missiles flew about 130 kilometers, hitting a maximum altitude of 20 km with a top speed of Mach 5. Saturday’s missiles were the latest in a flurry of more than 30 launches by the North since Wednesday, including one of an intercontinental ballistic missile that was believed to have failed in-flight over the Sea of Japan. The launch was initially believed to be headed over Japan, triggering a rare warning by the country’s J-Alert emergency broadcasting system that urged people to take shelter.

<https://www.japantimes.co.jp/news/2022/11/05/asia-pacific/north-korea-four-missiles-yellow-sea-bombers/>

R. Japan

Japan and South Korea considering mid-November summit, sources say

The Japan Times, November 4, 2022

Japan and South Korea are considering holding a summit in mid-November, a Japanese government source said Friday, as the two countries try to improve relations strained by wartime issues. Prime Minister Fumio Kishida and South Korean President Yoon Suk-yeol may meet on the sidelines of an international gathering, such as the Group of 20 summit to be held in Indonesia later this month, according to the source. The move to bring the leaders

together follows Kishida's attempt to facilitate a summit by sending former Prime Minister Taro Aso to meet Yoon in Seoul on Wednesday. The two agreed, during their 85-minute talk, on the need for further communication to improve bilateral ties.

<https://www.japantimes.co.jp/news/2022/11/04/national/trilateral-nk-meeting/>

Govt Ends Nuclear Disaster Drills in Central Japan

Nippon, November 6, 2022

The Japanese government ended a three-day comprehensive nuclear accident drills in Fukui Prefecture on Sunday. On the final day, residents of seven Fukui municipalities within about 5 to 30 kilometers from Kansai Electric Power Co.'s <9503> Mihama nuclear plant practiced evacuating to areas in or outside the central Japan prefecture by car or bus. The drills were held on a scenario that an earthquake measuring lower 6, the third-highest level on Japan's seismic intensity scale, occurred in the prefecture's Reinan region Friday afternoon, causing a serious accident at the nuclear plant in the Fukui town of Mihama. On Sunday, residents of the city of Tsuruga, which borders Mihama, used cars or buses to head for an elementary school in the city of Tenri in Nara Prefecture, western Japan, for evacuation. During the evacuation, drills for a radiation screening test and decontamination were conducted at an expressway service area in the city of Nagahama, Shiga Prefecture, located between Fukui and Nara.

<https://www.nippon.com/en/news/yjj2022110600322/>

Biden to discuss North Korea nuclear threat with Japan, South Korea leaders

Reuters, November 10, 2022

President Joe Biden will meet Prime Minister Fumio Kishida of Japan and South Korean President Yoon Suk-Yeol during an upcoming trip to Asia to discuss how to stem

North Korea's nuclear program, a White House official said on Wednesday. The leaders will meet in Cambodia on Sunday, Nov. 13, when Biden visits Asia for meetings with ASEAN and the Group of 20 industrialized nations. "The three leaders would work to "continue enhancing trilateral cooperation throughout the Indo-Pacific, particularly in regard to our joint efforts to address the ongoing threat posed by the Democratic People's Republic of Korea's unlawful weapons of mass destruction and ballistic missile programs," Adrienne Watson, spokesperson for the White House National Security Council, said using North Korea's official name.

<https://www.reuters.com/world/asia-pacific/biden-discuss-north-korea-nuclear-threat-with-japan-south-korea-leaders-2022-11-10/>

Japan looks to finalize nuclear reactor service extension by year-end

The Japan Times, November 8, 2022

Japan's industry ministry on Tuesday proposed extending the lifespan of nuclear reactors to beyond the current 60 years with ambitions to finalize the plan by the end of the year, in a bid to cut carbon emissions and ensure stable energy supplies threatened by Russia's war in Ukraine. The Ministry of Economy, Trade and Industry is looking to extend the number of years nuclear power stations can remain open by considering screening periods, necessary for stricter plant safety operations, as separate from the total service life, which could allow nuclear reactors to operate for longer. During safety checks, the nuclear plants are not operational. A ministry panel is set to discuss extending the service life of the nuclear power stations in such a way as a main scenario among other options, with plans to finalize their decision by the end of the year.

<https://www.japantimes.co.jp/news/2022/11/08/national/japan-nuclear-reactor-service-extension/>

Japan's Changing Nuclear Energy Policy

The Diplomat, November 14, 2022

On August 24, 2022, at the newly established GX (Green Transformation) Implementation Council chaired by Prime Minister Kishida Fumio, 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://thediplomat.com/2022/11/japans-changing-nuclear-energy-policy/>

Japan could host Australian nuclear subs

The Canberra Times, November 14, 2022

Japan has offered to host Australia's nuclear submarines when they arrive as Tokyo's envoy extends further defence support to Canberra. Ambassador Shingo Yamagami said Japan stood ready to co-operate on cutting-edge technology advanced under a military deal between Australia, the US and UK. Mr Yamagami acknowledged Japan's place in the trilateral security pact may not be immediately obvious but the nation's security was tied to allies being able to deter potential adversaries. "We are a frontline state facing challenging circumstances in the dangerous neighbourhood of Southeast Asia," Mr Yamagami told a defence conference on Monday. Australia will acquire nuclear-powered submarines under the agreement, which Japan has offered to host.

<https://www.canberratimes.com.au/story/7980437/japan-could-host-australian-nuclear-subs/>

IAEA team to inspect treated water release plan for Fukushima nuclear plant

NHK World, November 14, 2022

A team of experts from the International Atomic Energy Agency has arrived in Japan to inspect the project to release treated water from the damaged Fukushima Daiichi nuclear power plant into the sea. The IAEA has been asked by the Japanese government to assess the safety of the release. This is the agency's second mission following one in February. The visiting team is made up of experts from 11 countries, including China, South Korea and the United States, as well as IAEA officials. The members exchanged views with officials of the industry ministry and the plant's operator, Tokyo Electric Power Company, on Monday morning. They include the IAEA director and coordinator for nuclear safety and security, Gustavo Caruso.

https://www3.nhk.or.jp/nhkworld/en/news/20221114_19/

S. South Korea

Yoon to discuss North Korea nuclear threat with US, Japan leaders

The Korea Herald, November 10, 2022

President Yoon Suk-yeol said that he will hold a trilateral summit with leaders of the US and Japan on the sidelines of a multilateral summit on Sunday. While explaining his itinerary in Southeast Asia to the press during his regular morning briefing on Thursday, Yoon said the Korea-US-Japan summit has been confirmed. The meeting will be held during Yoon's first trip to Southeast Asia to discuss the North Korean nuclear threat issue. The trilateral meeting will be held in Cambodia on Sunday, when the leaders will be attending the ASEAN summit. The leaders will also participate in the Group of 20 Bali summit scheduled for next week. The upcoming Korea-US-Japan summit is the second meeting of its kind for Yoon. His first was at the Madrid NATO summit in June. Along with the trilateral summit, a

Korea-US bilateral summit was also confirmed by the presidential office on Thursday afternoon, without details on the time and place of the meeting. The presidential office added that nothing has been confirmed about the Korea-Japan or Korea-China bilateral summits.

<https://www.koreaherald.com/view.php?ud=20221110000594>

T. Opinion

Xi Jinping enunciates doctrine for the PLA at the CPC: Geopolitics and the need for India to fine tune the nuclear doctrine

Maj. Gen (Retd.) Dr Anil Kumar Lal

The Times of India, November 6, 2022

During his opening speech at the start of the Party Congress, Chinese leader Xi Jinping vowed to speed up efforts to build the People's Liberation Army (PLA) into a "world-class military." To achieve that, the Chinese military should uphold the party's "absolute leadership," modernise its theory, organisation, personnel and weapons. He pledged to improve the PLA's ability to safeguard national sovereignty, security and development interests, and to "effectively fulfill the mission of the people's army in the new era. "To do this, the military must build a strong system of strategic deterrence, increase the proportion of combat forces in new areas and deepen military training for real combat", he said. This when translated in real terms encompasses the modernisation and expansion of its nuclear arsenal as well as creating new structures focused on real time-artificial intelligence and drone power coupled with long range precision guided munition firepower.

<https://timesofindia.indiatimes.com/blogs/rakshakindia/xi-jinping-enunciates-doctrine-for-the-pla-at-the-cpc-geopolitics-and-the-need-for-india-to-fine-tune-the-nuclear-doctrine/>

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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Prepared by :

**Mr. Kushal Agrawal
Mr. Niranjana Oak
Mr. Aasi Ansari**

Indian Pugwash Society

No.1, Development Enclave,
Rao Tula Ram Marg, Near USI, Delhi-110010
Tel. No (91-11) 2671-7983
Fax No. (91-11)2615-4192
Email: indianpugwashsociety@gmail.com