



Source: [Northrop Grumman](#)

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LAND AND SEA

Garden Reach Shipbuilders & Engineers in Kolkata delivered the first of four survey vessel (large) ships, named *Sandhayak*, to the Indian Navy on December 4, 2023. The ships are designed to conduct full-scale coastal and deep-water hydrographic surveys of port approaches and navigation routes.

Source: [Press Information Bureau](#)

SOFTWARE, SYSTEMS, AND CYBER

Lockheed Martin accomplished a successful JAGM-MR guided flight test on December 2, 2023, at California's China Lake test range. The test showcased the missile's tri-mode seeker, proving its capability to distinguish between multiple targets.

Source: [Lockheed Martin](#)

SPACE AND AEROSPACE

On December 7, 2023, India successfully test-launched the *Agni-1* short-range ballistic missile from the APJ Abdul Kalam Island. The launch follows a previous successful test on June 1 from the same location. Last year in October, India also tested the new generation *Agni Prime* ballistic missile off the coast of Odisha.

Source: [Press Information Bureau](#)

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SPACE AND AEROSPACE

Chinese startup Landspace achieved its inaugural satellite launch on December 8, 2023. Using the third *Zhuque-2* rocket powered by methane-liquid oxygen, the lift-off occurred from the *Jiuquan* satellite launch center in the Gobi Desert.

Source: [Reuters](#)

Northrop Grumman Corporation conducted a successful full-scale static test fire of a newly developed solid rocket motor.

Source: [Northrop Grumman](#)

Late on December 6, 2023, the U.S. Senate and House Armed Services Committees unveiled the conclusive final National Defense Authorization Act (NDAA) conference agreement. The 2024 NDAA greenlights a defense budget of \$886 billion after prolonged negotiations among House and Senate leaders.

Source: [SpaceNews](#)

BUSINESS UPDATES

Qualcomm Technologies joins forces with the Indian Space Research Organisation to introduce support for India's Navigation with the Indian Constellation (NavIC) navigation satellite system's recently launched L1 signals. The collaboration aims to boost NavIC's use in Qualcomm Technologies' upcoming chipsets, improving location services in mobile, automotive, and the internet of things sectors.

Source: [Financial Express](#)

Delve Risk, known for using Open Source Intelligence in market research, teams up with ThreatNG Security, a company focusing on external attack surface management and security solutions. The partnership aims to provide advanced intelligence solutions for security vendors, aiming to revolutionize the industry.

Source: [Business Wire](#)

GOVERNMENT UPDATES

The sixteenth India-Germany Military Cooperation Subgroup (MCSG) meeting took place in New Delhi on December 5-6, 2023. The MCSG serves as a platform for both countries to enhance defense collaboration through strategic and operational discussions.

Source: [Press Information Bureau](#)

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GOVERNMENT UPDATES

Taiwan's Defense Ministry reported a Chinese surveillance balloon sighted in the Taiwan Strait, accompanied by a significant presence of Chinese military aircraft and ships. The balloon was seen near Keelung before heading eastward.

Source: [The Hindu](#)

The United States and the European Union held the ninth U.S.-EU Cyber Dialogue in Brussels, on December 6 and December 7, 2023.

Source: [U.S. Department of State](#)

At the fifteenth International Civil Aviation Organization (ICAO) Air Services Negotiation Event (ICAN 2023) event in Riyadh, U.S. delegates broadened their Open Skies partnerships by completing a new agreement with Mozambique. The event, hosted by ICAO, brought together aviation negotiators from over 100 countries, making it the year's biggest civil aviation gathering.

Source: [U.S. Department of State](#)

On December 7, 2023, Japan hosted the inaugural meeting of the U.S.-Japan-Republic of Korea (ROK) trilateral diplomatic working group. Formed after the Camp David trilateral summit, the group aims to tackle cyber threats from North Korea. Together, the U.S., ROK, and Japan will take steps to disrupt North Korean information technology networks, involve private industries, and coordinate efforts to build cyber capabilities.

Source: [U.S. Department of State](#)

The U.S. Department of Defense and the Republic of Singapore enter into a bilateral Security of Supply Arrangement. The agreement allows both countries to swiftly acquire industrial resources for defense needs, address unexpected disruptions, and reinforce supply chain strength.

Source: [U.S. Department of Defense](#)

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TENDERS AND REQUEST FOR PROPOSALS

The Air Force Research Laboratory's Space Control Technology Branch selects Pacific Defense, a top modular open systems approach (MOSA) products and solutions provider, to complete the development of a power sensor based on MOSA principles, tackling the growing challenge of space awareness in the cislunar area.

Source: [Pacific Defense](#)

The U.S. Department of Defense grants \$23.4 million through the Defense Production Act investment program to 6k Additive, LLC. The funding aims to enhance the ability to convert waste and scrap materials into superior-grade metals for defense and commercial purposes.

Source: [U.S. Department of Defense](#)

The U.S. Department of Defense selects Raytheon Technologies for an \$8 million resilient supply-and-demand networks (RSDN) contract to address the systemic risk in the procurement and delivery of the department's supplies. Under the RSDN contract, the company will develop a strong tool that uses past data to predict and address disruptions in supply-demand networks.

Source: [RTX](#)

The U.S. Army grants Krempp Construction a \$16.5 million contract to construct a missile evaluation technology facility and a strategic systems evaluation technology facility.

Source: [Department of Defense](#)

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IndUS Tech Council (IndUS Tech) is a Washington D.C. and New Delhi-based organization focused on accelerating U.S.-India technology collaboration, innovation, and investments. IndUS Tech's mission is to position the U.S.-India technology ecosystem for global innovation through thought leadership, policy advocacy, and facilitating collaborative partnerships between the two nations' private sectors.

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