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LAND AND SEA

The Indian Navy commissions the INS Surat, a Project 15B Visakhapatnam-class stealth destroyer. INS Surat is the Indian Navy's first ship equipped with artificial intelligence-driven predictive maintenance systems. These systems monitor the health of critical machinery and predict potential failures before they occur.

Source: [Indian Defence Research Wing](#)

The Indian Navy laid the keel for the seventh ship (BY 529, Machilipatnam) of the anti-submarine warfare shallow water craft or ASW SWC project on January 29, 2025.

Source: [Press Information Bureau](#)

The cabinet committee on security approves the Indian Army's acquisition of ammunition worth over \$1.15 billion for its Pinaka multi-barrel rocket launcher systems.

Source: [Economic Times](#)

Defence Research and Development Organisation (DRDO) formally requests the Indian Navy to transfer an aging kilo-class submarine for use as a testbed under Project-76. The initiative aims to develop and integrate new technologies for India's next-generation submarine class.

Source: [Indian Defence Research Wing](#)

SOFTWARE, SYSTEMS, AND CYBER

New York-based cybersecurity firm Wiz has discovered a trove of sensitive data from Chinese artificial intelligence startup DeepSeek that was inadvertently exposed to the open internet.

Source: [Wiz Twitter](#)

The Defense Advanced Research Projects Agency (DARPA) launched the microsystem-induced catalysis or MICA program to develop innovative methods for integrating molecular catalysts with microsystems. The program aims to harness physical forces generated by microsystems to enhance catalytic activity.

Source: [DARPA](#)

Hindustan Aeronautics Limited will begin licensed production of the AL-55I turbojet engine to power the HJT-36 Sitara intermediate jet trainer.

Source: [Defence.in](#)

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SPACE AND AEROSPACE

The U.S. Space Force selected ten companies, including Indian startup Digantara, for its prime fusion pilot accelerator program to fast-track technologies protecting military satellites from orbital threats.

Source: [Digantara Twitter](#)

Indian Space Research Organisation (ISRO) successfully launched the GSLV-F15 carrying the NVS-02 from Sriharikota, Andhra Pradesh, marking its hundredth rocket mission.

Source: [Jitendra Singh Twitter](#)

National Aeronautics and Space Administration (NASA) and its international partners have approved the crew for Axiom Space's fourth private astronaut mission to the International Space Station. The mission is set to launch from Florida in Spring 2025.

Source: [NASA](#)

A Falcon 9 rocket successfully launched SpainSat NG-I, the first of two next-gen Airbus-built SpainSat satellites, from Cape Canaveral. The satellites hope to boost communications capacity tenfold over the previous generation.

Source: [Airbus](#)

ISRO and the European Space Agency (ESA) sign an agreement to collaborate on astronaut training, mission implementation, and research experiments. The partnership also allows for joint microgravity experiments.

Source: [ISRO](#)

DRDO is developing Agni Prime, a nuclear-capable medium-range ballistic missile.

Source: [Indian Defence Research Wing](#)

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BUSINESS UPDATES

Eight Indian startups will join the India to America (I2A) launchpad program to explore new markets, collaborate with the U.S. Department of Defense and Defense Innovation Unit, and advance the INDUS-X defense innovation initiative.

Source: [Indusbridge Ventures](#)

Aerpace Industries Limited unveiled the aerWing, an e-vertical take-off and landing system powered by hybrid electricity and hydrogen fuel.

Source: [Aerpace](#)

SpaceFields successfully conducted the hot-firing test of its aerospike solid rocket engine at its propulsion test facility in the Indian Institute of Science's Challakere campus, Chitradurga.

Source: [SpaceFields Twitter](#)

Sagar Defence Engineering partners with Flowcopter to develop autonomous heavy-lift drones.

Source: [Sagar Defence Engineering Twitter](#)

KASFAB Tools Private Limited launches a manufacturing facility dedicated to building semiconductor equipment in Doddaballapur, Karnataka.

Source: [PR Newswire](#)

Vardhaan Lithium (I) Pvt. Ltd, in partnership with the Maharashtra government, will establish a lithium refinery at Butibori in Nagpur at a cost of \$4.91 billion.

Source: [Vardhaan Lithium](#)

The JSW Group will invest \$300.37 million to develop and operate two copper mines and a copper concentrator plant in Jharkhand.

Source: [Business Standard](#)

Astrome Technologies secures \$10 million in funding, led by Appollo Fund with follow-on investments from IAN Group. The company will use the funds to enhance its wireless connectivity technologies, scale operations, expand product lines, and enter the satellite communication market.

Source: [IAN Group Twitter](#)

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Economic Explosives Limited is investing \$1.46 billion to establish a major defense and aerospace project in Nagpur.

Source: [Times of India](#)

Mazagon Dock Shipbuilders Limited is constructing a floating dry dock at Nhava Island near Mumbai as part of its \$576.73 million expansion plan to accommodate large ship orders.

Source: [Defence.in](#)

Hanwha Ocean is actively seeking partnerships with Indian shipyards to expand its shipbuilding and repair operations.

Source: [Defence.in](#)

Star Air plans to launch an aircraft maintenance, repair, and overhaul business through a joint venture to service regional and business jet fleets.

Source: [Economic Times](#)

BonV Aero achieves a milestone by joining the UK Ministry of Defence's unmanned aerial systems heavy lift capability framework. The inclusion strengthens its position as a global player in the heavy-lift drone sector and paves the way for international defense collaborations.

Source: [Indian Defence Research Wing](#)

Adani Defence starts the low-rate initial production of its long-range glide bomb or LRGB, GAURAV.

Source: [Adani Defence](#)

GOVERNMENT UPDATES

President Donald Trump and Prime Minister Narendra Modi discussed enhancing cooperation and regional security in the Indo-Pacific, Middle East, and Europe over a phone call. The leaders also expressed their commitment to strengthening the U.S.-India strategic partnership and Quad alliance.

Source: [White House](#)

U.S. President Donald Trump signs an executive order initiating plans for an iron dome for America, an advanced air defense system for the United States.

Source: [White House](#)

Secretary of defense Pete Hegseth assumed his new role after securing Senate confirmation.

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

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Secretary of defense Pete Hegseth announced the creation of a task force to strengthen a merit-based military in a memorandum sent to U.S. military leaders.

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

The Trump administration has launched a voluntary buyout program for federal employees to streamline U.S. government operations and reduce costs.

Source: [U.S. Office of Personnel Management](#)

The union cabinet, led by Prime Minister Narendra Modi, approved the National Critical Mineral Mission or NCMM with \$1.88 billion in funding and an expected \$2.07 billion investment from public sector undertakings.

Source: [Press Information Bureau](#)

The Directorate General of Shipping and the Centre for Development of Advanced Computing sign a memorandum of understanding (MoU) to enhance the maritime sector through technology, collaboration, and innovation.

Source: [Press Information Bureau](#)

The union government has engaged RITES Ltd, through the state-owned Visakhapatnam Port Authority, to conduct a technical study for developing a maritime cluster at Dugarajapatnam, as suggested by the Andhra Pradesh government. The cluster will include a port, shipbuilding facility, and port-led industries.

Source: [ET Infra](#)

On January 30, 2025, secretary of defense Pete Hegseth spoke with South Korea's acting minister of national defense Kim Seon-ho in an introductory call. They discussed the security situation on the Korean Peninsula and reaffirmed the strength of the U.S.-South Korea alliance.

Source: [U.S. Indo-Pacific Command](#)

Admiral Muhammad Ali, chief of staff of the Indonesian Navy, and admiral Dinesh K. Tripathi, chief of the naval staff, held bilateral discussions to strengthen maritime cooperation.

Source: [Press Information Bureau](#)

The Indian Coast Guard and the Indonesia Coast Guard renewed their MoU on maritime safety and security cooperation for three more years during the second high-level meeting in New Delhi on January 27, 2025.

Source: [Press Information Bureau](#)

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The European Union has proposed deploying a liaison officer at the Information Fusion Center – Indian Ocean Region (IFC-IOR) in Gurugram. Established by the Indian Navy, the IFC-IOR serves as a hub for monitoring maritime activities and enhancing cooperation among partner nations to strengthen security in the Indian Ocean.

Source: [Defence.in](#)

TENDERS AND REQUEST FOR PROPOSALS

Supernova Industries Corp secures a \$2 million contract to 3D print military-grade energetic materials in a pilot program aimed at strengthening the U.S. defense industrial base.

Source: [Supernova](#)

Speegle Construction Inc. secures a \$13.1 million contract to construct a projectile penetration research facility.

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

Linqest Corp. receives a \$970 million contract for collaborative engineering and digital development. The contract will operationalize digital engineering and decision support techniques required to collect, analyze, and visualize data.

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

Collins Aerospace secures a contract with a potential for up to \$904 million over five years to continue development of the U.S. Navy's cooperative engagement capability. The system integrates sensors across surface, land, and air platforms to enable integrated fire controls.

Source: [RTX](#)

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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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