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DOT Weekly

NEWSLETTER AUGUST - 26 - SEPTEMBER: 01 VOL: 1 ISSUE: 30

LAND AND SEA

The U.S. Army awards BAE Systems a \$797 million contract to continue producing the armored multi-purpose vehicle (AMPV), with potential options to increase the total contract value to \$1.6 billion. The AMPV replaces the U.S. Army's aging M113 family of vehicles, providing critical upgrades in survivability, mobility, and interoperability to the armored brigade combat team.

Source : [BAE Systems](#)

SOFTWARE, SYSTEMS, AND CYBER

The U.S. Marine Corps will test a new 5G communications network prototype built by Lockheed Martin under the Pentagon's open systems interoperable and reconfigurable infrastructure solution program over the next fifteen months.

Source : [Lockheed Martin](#)

Rocket Lab USA, Inc., a leading space systems company, successfully launched an electron mission for Capella Space. The mission marked several important milestones in Rocket Lab's reusability efforts, including the first stage of the electron rocket

DOT Weekly

NEWSLETTER AUGUST - 26 – SEPTEMBER: 01 VOL: 1 ISSUE: 30

splashing down in the ocean and the successful flight of a previously used Rutherford engine.

Source : [Rocket Lab](#)

SPACE AND AEROSPACE

India launches its first observatory mission to the Sun. The Aditya-L1 spacecraft, India's mission to study the Sun and gauge solar activity, carried seven payloads to study the photosphere, chromosphere, and corona. The mission will be placed in Hale orbit at Lagrange Point 1- 1.5 million kilometers from the Earth.

Source: [Indian Space Research Organization \(ISRO\)](#)

European Space Agency (ESA) provided ground station and deep space communications to the Indian Space Research Organization (ISRO) during the Aditya-L1 mission through its deep antennas in Australia, Spain, and Argentina, among others. ESA tracks, commands, and receives data from the spacecraft. Aditya-L1 mission was launched on a PSLV-C57 from *Sriharikota* in India on September 2, 2023.

Source: [European Space Agency \(ESA\)](#)

DOT Weekly

NEWSLETTER AUGUST - 26 - SEPTEMBER: 01 VOL: 1 ISSUE: 30

U.S. and Indian universities jointly conduct the India-United States Defense Acceleration System (INDUS-X) exercise reinforcing the role of start-ups and academics in the space sector. The event was held in the southern Indian city of Hyderabad to boost the defense vertical within the bilateral partnership.

Source: [Financial Express](#) & [Deccan Chronicle](#)

China launches a roadmap titled *Tiangong Kaiwu* for building a unified space resources system by 2100. China aspires to mine and use water ice and mineral resources beyond the Earth's frontiers. It also wants to create facilities at Lagrange Points 1 and 2 so that water ice and other resources can be resupplied across the solar system.

Source: [South China Morning Post](#)

DOT Weekly

NEWSLETTER AUGUST - 26 - SEPTEMBER: 01 VOL: 1 ISSUE: 30

BUSINESS UPDATES

India's Goa Shipyard Ltd and Kenya Shipyard Ltd inked a memorandum of understanding, aiming to enhance capacity and foster collaboration in ship design and construction. The development coincided with discussions between Indian Defense Minister, Rajnath Singh, and Kenyan Cabinet Secretary for Defense, Aden Bare Duale, in New Delhi.

Source: [Press Information Bureau](#)

Synthetaic, a prominent artificial intelligence (AI) solutions provider, enters a five-year strategic partnership with Microsoft to transform AI data and cloud solutions. Under the agreement, Microsoft will grant Synthetaic access to nearly one million hours of cloud computing resources.

Source: [Business Wire](#)

SatSure, an Indian startup, raises \$15 million in their series A funding round from Baring Private Equity Partners and Promus Ventures. The start-up aims to use the available capital to launch a fleet of four high-resolution optical and multispectral satellites by 2025.

Source: [SatSure](#)

DOT Weekly

NEWSLETTER AUGUST - 26 - SEPTEMBER: 01 VOL: 1 ISSUE: 30

GalaxEye, an Indian start-up, announces the launch of a high-resolution drone-based synthetic aperture radar that will perform detailed and high-resolution weather imaging in all climatic conditions. The in-house data fusion is likely to enable satellite constellations to conduct all-weather imaging without atmospheric hindrances that are usually faced by single-sensor satellites. The company is also likely to launch its first satellite in 2024, which aims to be the world's highest-resolution multi-sensor imaging satellite.

Source: [The Hindu Business Line](#)

Space X will launch thirteen satellites for the U.S. Space Force's Space Development Agency. This launch supports the proliferated warfighter space architecture, a network of LEO satellites, that will support military communication, missile warning, and tracking capabilities.

Source: [space.com](#)

DOT Weekly

NEWSLETTER AUGUST - 26 - SEPTEMBER: 01 VOL: 1 ISSUE: 30

GOVERNMENT UPDATES

Starting on September 4, 2023, the Indian Air Force (IAF) will conduct an eleven-day large-scale exercise along the borders with China and Pakistan. The exercise will involve various critical assets, including Rafales, Su-30 MKIs, Jaguars, Mirage-2000s, MiG-29s, and MiG-21 Bisons, as well as attack helicopters and mid-air refuelers.

Source: [DD News](#)

The fifth edition of the AUSINDEX maritime exercise took place in Sydney, Australia, from August 22 to 25, 2023. Indian Navy's INS *Sahyadri* and INS *Kolkata*, along with Royal Australian Navy's HMAS Choules and HMAS Brisbane, participated. The exercise involved ships, helicopters, fighter aircraft, and maritime patrol aircraft, conducting complex exercises in all maritime domains

Source: [Press Information Bureau](#)

An IAF team is in Cairo, Egypt, to take part in Exercise BRIGHT STAR-23, a multilateral tri-service exercise from August 27 to September 16, 2023. The 2023 edition marks the IAF's maiden participation in this exercise which also involves teams from the United States, Saudi Arabia, Greece, and Qatar. The

DOT Weekly

NEWSLETTER AUGUST - 26 - SEPTEMBER: 01 VOL: 1 ISSUE: 30

main goal of the exercise is to improve joint operation planning and execution.

Source : [Press Information Bureau](#)

TENDERS AND REQUEST FOR PROPOSALS

The Indian Ministry of Defense awards a \$34.7 million contract to Kalyani Rafael Advanced Systems Pvt. Ltd. (KRAS) to supply an undisclosed quantity of Spike anti-tank guided missiles to the Indian armed forces. KRAS is a joint venture between Kalyani Strategic Systems Ltd. (KSSL) and Israel's Rafael Advanced Defense Systems Ltd.

Source : [Janes](#)

India's Defense Acquisition Council, led by Defense Minister, Rajnath Singh, approved the purchase of long-range land attack cruise missiles (LRLACM) for the IAF. The LRLCAM is developed by Bangalore's Aeronautical Development Establishment, a division of India's Defense Research and Development Organization (DRDO)

Source: [Janes](#)

The Indian Army awards contracts for one-thirty tethered drones and nineteen tank-driving simulators through

DOT Weekly

NEWSLETTER AUGUST - 26 - SEPTEMBER: 01 VOL: 1 ISSUE: 30

emergency procurement (EP) from various vendors, with delivery expected within a year. The acquisitions are part of the fourth tranche of EPs authorized by the Indian defense ministry and will bolster the armed forces' operational readiness.

Source: [DRDO](#)

The U.S. Government grants Raytheon a contract worth \$7 million to further develop and assess their GhostEye MR radar, an advanced medium-range sensor for the National Advanced Surface-to-Air Missile System.

Source: [RTX](#)

BWX Technologies secures a contract to process U.S. government-owned scrap material containing enriched uranium, converting it into over two metric tons of high assay low enriched uranium (HALEU). The HALEU will be used as fuel for advanced reactors, aiding in the decarbonization of the U.S. power grid.

Source : [BWXT](#)

The U.S. Space Force awards Science Applications International Corp. (SAIC) a \$574.5 million contract to maintain

DOT Weekly

NEWSLETTER AUGUST - 26 - SEPTEMBER: 01 VOL: 1 ISSUE: 30

ground-based radar sensors used for missile warning and space surveillance. The U.S. Air Force designed these specific radar sites in the United States and the United Kingdom to track intercontinental ballistic missiles during the cold war and conduct space surveillance and satellite tracking

Source : [Department of Defense](#)

DOT Weekly

NEWSLETTER AUG 26 - SEP 01 2023

VOL: 1 ISSUE: 30

LAND & SEA | SOFTWARE, SYSTEMS, AND CYBER | CROSS-DOMAIN |
GOVERNMENT UPDATES | AEROSPACE AND SPACE | TENDERS/RFPs | BUSINESS UPDATES

About Us



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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