



Defence Professionals News & Analysis

December 10, 2025 | Day 344

Top Gainers

Stock	Close	Prev	Change
DRONACHRYA	51.07	48.64	+5.0%
SWANDEF	1199.3	1142.2	+5.0%
URAVIDEF	161.01	153.36	+4.99%
SIKA	949.95	905.4	+4.92%
TECHERA	218.5	211.55	+3.29%

Top Losers

Stock	Close	Prev	Change
WALCHANNAG	152.42	159.99	-4.73%
AXISCADES	1302.5	1353.8	-3.79%
APOLLO	231.2	240.2	-3.75%
CFF	580.0	600.0	-3.33%
RELINFRA	135.13	139.66	-3.24%

Defense Business and Industry

Indian arms makers meet in Russia to discuss joint ventures. SHARE

10-Dec-25

Executives from leading Indian arms manufacturers, including Adani Defence and Bharat Forge, participated in significant meetings in Russia to explore potential joint ventures, marking the first high-level industrial visit since Russia's invasion of Ukraine. This initiative aligns with the Indian government's strategy to shift its long-standing defense relationship with Russia towards joint weapon development, although it poses challenges for collaborations with Western firms. The discussions coincided with an Indian defense delegation's visit, aimed at preparing for Russian President Vladimir Putin's upcoming trip to India. The ongoing reliance on Russian military technology, which comprises approximately 36% of India's arsenal, complicates India's ambitions to position itself as a global arms manufacturing hub amidst Western hesitation over sensitive technology transfers.

India to deploy indigenous air defense system for Delhi NCR protection. SHARE

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India is moving to deploy its first fully indigenous Integrated Air Defence Weapon System (IADWS) to shield the Delhi National Capital Region from missiles, drones and hostile aircraft, marking a strategic shift towards self-reliance after dropping plans to import the US NASAMS-II system over cost concerns. The multi-layered shield will be built around DRDO-developed Quick Reaction Surface-to-Air Missiles (QRSAM) and

Very Short Range Air Defence Systems (VSHORADS), linked through an advanced radar, sensor and command-and-control network operated by the Indian Air Force to protect vital national and strategic installations. The project has been fast-tracked in the backdrop of Pakistan's attempted strikes during Operation Sindoor in May 2025, and follows successful August trials off the Odisha coast, underscoring growing confidence in Indian systems that increasingly mirror capabilities of Western air-defence architectures while keeping critical technologies firmly under national control

India and Brazil sign MoU to enhance Scorpene submarine maintenance. SHARE

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India and Brazil signed a tripartite Memorandum of Understanding (MoU) on December 9, 2025, in Rio de Janeiro during Chief of Naval Staff Admiral Dinesh K Tripathi's official visit from December 9 to 12. The agreement, inked by Admiral Tripathi, Brazilian Navy Commander Admiral Marcos Sampaio Olsen, and Mazagon Dock Shipbuilders Limited (MDL) Chairman Capt Jagmohan, targets exchange of information, expertise, and best practices for Scorpene-class submarine maintenance, logistics, training, and life-cycle support. Both nations operate these vessels—India with six and Brazil with four—built in collaboration with France's Naval Group. The MoU enhances operational readiness, boosts joint defence R&D, technological innovation, and industrial ties, following a November 2025 visit by a 40-member Brazilian Naval War College delegation to India. It aligns with Prime Minister Narendra Modi's July 2025 Brazil visit, where he and President Luiz Inacio Lula da Silva outlined a decade-long strategic roadmap emphasizing defence

and security pillars, including military exchanges and joint exercises.

ADA Issues Tender to Enhance LCA AF Mk2 Performance Model Ahead of Flights

10-Dec-25

The Aeronautical Development Agency (ADA) has issued a fresh tender to update the aircraft performance model of the LCA AF Mk2, reinforcing India's drive for self-reliance in combat aviation. Dated 9 December 2025, the tender covers a work package to refine aerodynamic and engine data, generate updated performance prediction models, and prepare flight performance charts for the first block of test flights. The contract seeks specialised support to integrate ground-test and simulation inputs, coordinate closely with ADA's flight-test teams in Bengaluru, and iteratively tune the model as real flight data becomes available. This step comes as the LCA Mk2 programme moves towards its maiden flight in the second half of this decade, with the more powerful, larger Tejas variant intended to replace legacy foreign fighters and emerge as a mainstay of the Indian Air Force's indigenously designed fleet.

Australian Ghost Bat drone successfully conducts first live AMRAAM strike in autonomous test.

10-Dec-25

On December 8, 2025, Australia's MQ-28A Ghost Bat drone successfully executed its first live firing of a Raytheon AIM-120 AMRAAM, downing a fighter-class target drone in a significant milestone for autonomous combat capabilities. This trial demonstrated the effective collaboration between uncrewed and crewed platforms, showcasing the Ghost Bat's ability to engage targets based on external sensor data. For India and its Indo-Pacific allies, this development highlights the evolving landscape of air combat, emphasizing the importance of unmanned aerial vehicles in enhancing air dominance. The event signals a critical shift towards operationalizing collaborative combat aircraft, necessitating India to assess the implications for regional air power and potential interoperability with partners like Australia in the Indo-Pacific security framework.

US military launches GenAI.mil platform to enhance operational efficiency and AI capabilities.

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On December 8, 2025, the US Department of Defense launched GenAI.mil, a generative AI platform utilizing Google Cloud's Gemini, aiming to enhance operational efficiency for approximately three million military and civilian personnel. This initiative, framed as a response to the need for AI superiority, could significantly improve US military capabilities in areas like logistics and intelligence analysis, potentially widening the techno-military gap with regional adversaries such as China and Pakistan. For India, this development underscores the urgency of developing sovereign AI systems for defense and leveraging US partnerships to enhance interoperability, while also emphasizing the necessity to maintain control over its own defense data and technological dependencies.

Three lesser-known defense stocks benefiting from India's aerospace industry growth.

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India's defense industry is experiencing significant growth, with defense production reaching Rs 1.3 lakh crore in FY 2023-24 and exports hitting a record Rs 23,622 crore in FY 2024-25. This expansion is not only led by major players like Hindustan Aeronautics Limited (HAL), Bharat Electronics Limited (BEL), and Mazagon Dock, which have seen increased arms revenues, but also by smaller companies like Data Patterns, MTAR Technologies, and Avantel, which are pivotal for specialized components in defense and aerospace systems. HAL, ranked 44th globally, boasts a robust order book expected to deliver revenue visibility until FY 2033, while BEL's revenue rose by 24% due to increased orders for electronic warfare systems and radars. The heightened focus on indigenous production aligns with India's strategic goals to enhance self-reliance in defense capabilities amidst rising geopolitical tensions. However, while Indian companies' combined arms revenue only accounts for 1.1% of the global total, indicating room for growth, the competitive landscape is intensifying as global defense spending rises, necessitating continuous advancements and innovations within the sector to fully capitalize on emerging opportunities.

Indian Army enhances Kalyani M4 vehicles for automated anti-drone operations at high-altitude borders.

10-Dec-25

The Indian Army is exploring a proposal to enhance its Kalyani M4 armoured vehicles, transforming them into automated mobile anti-drone units to counter aerial threats along high-altitude borders. This initiative aims to provide the vehicles with advanced detection and neutralization systems for small and medium-sized drones, crucial for safeguarding troops in contested environments. The M4's indigenous engineering, combined with its modular upgrade design, allows for swift integration of anti-drone capabilities without extensive retrofitting. This advancement is particularly significant for units deployed in Jammu & Kashmir and along the Line of Actual Control, addressing emerging threats from drone warfare and bolstering operational readiness amidst evolving challenges.

Lockheed Martin to establish C-130J co-production hub in India.

10-Dec-25

Lockheed Martin announced plans to establish a co-production facility for the C-130J Super Hercules in India, marking the first global hub outside the United States. This initiative aligns with the Indian Air Force's (IAF) search for up to 80 tactical lift transport aircraft, with the C-130J being highlighted as a proven choice, already in operation with the IAF. The partnership with Tata Advanced Systems aims to enhance India's defense capabilities, further integrating local industry into the supply chain. Additionally, a defense maintenance, repair, and overhaul facility is being set up in Bengaluru, signifying a robust commitment to bolstering India's military aviation infrastructure and advancing indigenous manufacturing in defense.

Atomic-6 Launches Space Armor to Safeguard India's Orbital Missions.

10-Dec-25

Atomic-6, a US-based advanced composites firm, recently introduced Space Armor tiles designed to combat the growing threat of space debris, a critical concern for India's expanding space program, including the Gaganyaan mission and ISRO's satellite constellation. These innovative composite tiles, developed through a unique fiber-to-resin process, provide enhanced protection against hypervelocity impacts while minimizing secondary debris, thereby securing vital communication infrastructures. With lightweight variants catering to various debris sizes,

this technology is particularly significant for India, which aims for greater self-reliance in space defense amidst geopolitical tensions and rising threats to its orbital assets. The adoption of such advancements is essential for maintaining national security and operational capabilities in an increasingly congested low Earth orbit environment.

US Air Force develops AI-driven WarMatrix for rapid wargaming simulations.

10-Dec-25

The U.S. Air Force has initiated the development of a cloud-based, AI-driven "WarMatrix" wargaming ecosystem capable of running simulations up to 10,000 times faster than real-time, aiming to enhance force design and operational planning. This advancement emphasizes a significant shift towards machine-assisted planning, which could influence future air and maritime combat strategies in the Indo-Pacific, an area of keen interest for India. As the U.S. seeks "decision superiority" amid rising competition with China, India must adapt its own military doctrine and technology strategies to leverage potential collaborations while being cautious of regional adversaries adopting similar capabilities. The implications of this initiative highlight the evolving nature of military engagements and the necessity for India to enhance its multi-domain operational readiness.

Ethereal develops India's first private LOX turbopump using additive manufacturing, boosting indigenous aerospace capabilities.

10-Dec-25

Ethereal Exploration Guild, a Bengaluru-based private space startup, has announced on 9 December 2025 that it has built India's first privately developed liquid oxygen (LOX) turbopump entirely through additive manufacturing, underscoring the country's growing self-reliance in critical rocket propulsion hardware. Designed for cryogenic engines, the Inconel-based turbopump can be produced in weeks instead of months and at up to 70 percent lower cost, thanks to 3D printing of complex internal geometries that enhance efficiency while reducing weight. Developed without heavy state subsidy, the system reflects the maturity of India's private aerospace ecosystem and directly supports national objectives under Make in India and Atmanirbhar Bharat in strategic technologies. The turbopump is expected to feed into future semi-cryogenic Pegasus-class engines and privately built

launch vehicles, positioning Indian industry to compete more aggressively with global new-space players.

BEL Launches First Prototype of Tactical Communication System for Indian Army

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Bharat Electronics Limited (BEL) unveiled the first prototype of the Tactical Communication System (TCS) for the Indian Army at its Bengaluru facility on December 9, 2025, a pivotal milestone after over two decades of delays. Conceived around 1996-2000 as TCS2000 to replace the outdated Army Radio Engineering Network (AREN)—the rolling backbone communication system in service since the 1980s and inadequate for IP-based network-centric warfare—the project faced repeated setbacks despite approvals by three Defence Ministers and relabeling as TCS2010. Initially mired in procurement disputes over 'Buy and Make' versus nomination basis, it advanced under the Make-I framework from 2009, with BEL selected as a development agency alongside an L&T-led consortium in February 2014 to build prototypes funded at \$100 million each. The software-defined, lightweight system provides secure voice, data, and video via IP routing, 4G/5G wireless, frequency-hopping, Indian encryption, and anti-jamming for resilient operations in plains, deserts, mountains, and forests. Initial simulated trials validated extended range, signal clarity, and environmental robustness, with field evaluations by frontline units, interoperability tests with C4ISR platforms, and plans for seven systems' induction ahead. This indigenous effort under Atmanirbhar Bharat curtails foreign reliance, enhancing tactical coordination for strike corps.

Intel, Tata Electronics Ink Landmark India Chip Manufacturing Pact

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On 8 December 2025, Tata Group and Intel Corporation signed a memorandum of understanding to explore manufacturing and packaging of Intel products at Tata Electronics' upcoming semiconductor fabrication plant in Dholera, Gujarat, and its OSAT facility in Assam, in a deal valued at about 14 billion dollars. Intel will be Tata Electronics' first major global customer for these facilities, which aim to support India's Semiconductor Mission and strengthen domestic supply chains for AI, computing and consumer electronics. The alliance also includes plans to develop advanced packaging capabilities and tailored AI PC solutions for India, projected to be a top-five compute market by 2030.

Industry leaders describe the move as a major boost to India's ambition to emerge as a global hub for semiconductor manufacturing and electronics.

Bhairav Robotics Launches Vrishabh: India's Advanced Unmanned Battlefield Vehicle

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Kakinada-based defence startup Bhairav Robotics has unveiled the Vrishabh Combat All-Terrain Vehicle, a multirole unmanned ground vehicle (UGV) showcased through a demonstration video released on December 8, 2025, and amplified across social media platforms on December 9. Developed to support Indian armed forces in high-risk roles, Vrishabh is designed for combat, intelligence, surveillance and reconnaissance, casualty evacuation, and frontline logistics across difficult terrain. The tracked platform features all-terrain mobility, autonomous navigation, and integration with Bhairav Robotics' indigenous Rakshak remote weapon station, which offers stabilized, AI-enabled targeting for small arms and machine guns. Visuals shared by defence enthusiasts show Vrishabh with a mounted weapon station and electro-optical sensors, highlighting its suitability for border security, urban operations, and convoy protection. The launch aligns with the Atmanirbhar Bharat push to expand India's indigenous defence robotics ecosystem, adding to Bhairav Robotics' portfolio of armed quadruped robots and autonomous weapon systems aimed at enhancing troop safety by removing soldiers from direct line-of-fire roles.

Bengaluru startup develops Infini drone for 417-day continuous flight, enhancing maritime surveillance capabilities.

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Bengaluru-based startup Alteon Energy has unveiled "Infinity," a high-altitude platform station (HAPS) drone designed to remain airborne for over 400 days, effectively functioning as a low-cost pseudo-satellite for India's strategic needs over the Indian Ocean region. Announced around 5–6 December 2025, the solar-powered platform uses dynamic soaring and wing-mounted turbines to harvest wind energy in the stratosphere, allowing persistent operations between roughly 18 and 30 km altitude above commercial air traffic and weather disturbances. Infinity is projected to support intelligence, surveillance and reconnaissance, as well as 4G/5G connectivity and environmental monitoring, giving India a sovereign capability for continuous maritime domain awareness and border

security without dependence on foreign satellite assets. The system aligns with New Delhi's broader push for indigenous HAPS technologies and complements earlier efforts by CSIR-NAL and private firms in long-endurance stratospheric platforms.

Russia prioritizes India as future S-500 customer post domestic needs. SHARE

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Russia has indicated that India is a top future customer for the S-500 Prometheus air defense system, although current export orders are not feasible due to domestic production demands. While the Indian Air Force has expressed strong interest, Russian officials reveal that their priority is meeting national security needs, with significant production constraints expected to persist until at least 2028. The S-500 is crucial for India's air defense strategy, particularly in countering emerging threats from China's advanced missile systems. In the interim, discussions are ongoing to enhance India's fleet of S-400 systems, suggesting a continued partnership in advancing India's defense capabilities as both nations seek to strengthen their strategic ties.

Defense Policy and Budgeting

DRDO Saves ₹2.64 Lakh Crore Through Indigenous Defense Innovations SHARE

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A Parliamentary Standing Committee on Defence report, presented in Parliament on December 9, 2025, reveals that the Defence Research and Development Organisation (DRDO) saved ₹2,64,156 crore over the past five years through indigenous research, significantly advancing India's self-reliance in defence. Key milestones include the successful flight test of India's first long-range hypersonic anti-ship missile in November 2024 and the Multiple Independently Targetable Re-entry Vehicle (MIRV) technology demonstration on the Agni missile in March 2024, enhancing strategic deterrence. The Very Short-Range Air Defence System (VSHORADS) and man-portable anti-tank guided missile have also been developed and validated, bolstering operational capabilities against aerial and armoured threats while reducing import dependence.

Parliamentary Defence Panel reviews AI cloud initiative for Armed Forces' modernization and self-reliance. SHARE

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The Parliamentary Standing Committee on Defence has noted significant progress in the development of a high-power computing AI cloud for the Army, Navy and Air Force, calling it central to India's drive for technologically driven self-reliance and 24x7 operational readiness. Presented in Parliament as part of action taken on Demands for Grants 2025-26, the report links the AI cloud and National Quantum Mission to future warfare domains such as space, cyberspace and unmanned systems, positioning India to narrow the technology gap with adversaries. The panel highlighted the Navy's plan to reach 234 ships and submarines, with 61 warships under construction and contracts for 62 more vessels and 120 fast interceptor craft in advanced stages, almost entirely in Indian shipyards, underlining Aatmanirbhar Bharat in shipbuilding. It also welcomed expanding roles for women in the Army and an indigenous Su-30 upgrade programme led by HAL, DRDO and domestic industry.

Geopolitics and Security Alliances

Nigeria and India Strengthen Defense Partnership, Enhance Military Ties SHARE

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The strategic defense partnership between Nigeria and India received a significant enhancement during a recent visit by Indian Defence Adviser Colonel Manoj Singh to the Nigerian Chief of Army Staff, Lieutenant General Waidi Shaibu, in Abuja. This visit underscored both nations' commitment to advancing military cooperation and shared security interests, with Singh praising the Nigerian Army's efforts in addressing national security challenges. The discussions highlighted India's readiness to expand training opportunities for Nigerian personnel, deepen technical exchanges, and collaborate further in counter-terrorism operations and intelligence sharing. Lieutenant General Shaibu acknowledged India's long-standing support in military training and capacity building as invaluable, emphasizing the importance of maintaining a robust and enduring partnership. This growing alliance reflects a strategic shift in defense cooperation that could enhance regional security and stability in light of ongoing security challenges faced by both countries.

Escalating Thailand-Cambodia clashes jeopardize ceasefire, causing civilian evacuations and military casualties.

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Intensifying clashes between Thailand and Cambodia have escalated following a skirmish that left two Thai soldiers injured, derailing a recent ceasefire agreement facilitated by U.S. President Donald Trump. Over the past five days, the fighting has resulted in dozens of fatalities on both sides and the evacuation of over 100,000 civilians. Reports indicate that Thai F-16 fighter jets have bombed several Cambodian villages, including Slor Kram, while Cambodian forces retaliated with rocket strikes on Thai hospitals, notably Phnom Dong Rak Hospital, which has been targeted multiple times. The conflict has seen significant military engagement, with both sides utilizing artillery and drones, leading to the deaths of four Thai soldiers and approximately 61 Cambodian troops. This renewed violence comes just weeks after Thailand suspended a peace agreement aimed at resolving long-standing border disputes, rooted in colonial-era territorial maps, which have historically sparked military confrontations. The situation remains critical, as tensions threaten to disrupt regional stability, underscoring the need for renewed diplomatic efforts to prevent further escalation.

Admiral Tripathi and Brazilian Navy Commander Discuss Enhanced Naval Cooperation

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Indian Navy Chief Admiral Dinesh K. Tripathi is on an official visit to Brazil from December 9-12, aimed at enhancing the growing maritime partnership between the Indian and Brazilian navies, which is a fundamental aspect of the broader India-Brazil Strategic Partnership. During this visit, Admiral Tripathi will engage with senior Brazilian officials, including Defence Minister Jose Mucio and naval leadership, to review ongoing bilateral cooperation and explore new collaborative avenues. This comes on the heels of previous significant interactions, such as a recent tripartite Memorandum of Understanding signed for sharing maintenance information on Scorpene-class submarines, reinforcing mutual commitment to operational readiness and technological innovation. The strengthening ties reflect a shared focus on maritime security, interoperability, and capacity building, which are vital for stability in the global maritime domain, particularly benefiting the Global South. These developments underscore the

intent of both nations to deepen their strategic partnership and collaborative defense capabilities, as evident from earlier discussions on military education and cybersecurity cooperation.

China Supports Putin's India Visit, Highlighting Global South Unity

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China has welcomed Russian President Vladimir Putin's recent visit to India, emphasizing the importance of the trilateral relationship among China, Russia, and India as a key component of the Global South. Chinese Foreign Ministry spokesperson Guo Jiakun highlighted that strong ties between these emerging economies are beneficial not only to their national interests but also to regional and global peace and stability. This endorsement underscores the strategic unity among these nations in addressing common challenges and enhancing cooperation, thereby reinforcing their collective influence on the international stage. The developments signal a potential strengthening of alliances that could reshape geopolitical dynamics in Asia and beyond.

US Secretary Rubio Affirms Strong Commitment to Quad Alliance

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During high-level strategic talks in Washington, US Secretary of State Marco Rubio reaffirmed the United States' deep commitment to the Quad alliance, comprising India, Japan, and Australia, emphasizing ongoing collaboration and future engagements. Rubio noted the successful Quad Foreign Ministers meetings and the upcoming 2025 Leaders Summit, scheduled to be hosted by India. The Quad's efforts were further exemplified by the recent Counterterrorism Working Group meeting in New Delhi and the annual Humanitarian Assistance and Disaster Response exercise in Hawaii, aiming to enhance disaster-response capabilities across the Indo-Pacific. This commitment not only strengthens regional security partnerships but also reflects a unified approach to addressing emerging geopolitical challenges in the area.

Syria showcases Turkish armored vehicles, signaling military cooperation and regional influence.

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On December 8, 2025, during the Liberation Day parade in Damascus, the Syrian Armed Forces showcased Turkish-made armored personnel carriers, including the

Nurol Ejder and Ejder TTZA 6x6, reflecting a significant military cooperation between Turkey and Syria following a post-Assad reconciliation. This development highlights Ankara's increasing influence in the Levant, as it provides vital military support against U.S.-backed Kurdish militias, perceived by Turkey as extensions of the PKK terrorist group. For India, this cooperation could stabilize the region amid Turkish offensives while simultaneously complicating counter-terrorism efforts essential to India's strategic interests in West Asia. The absence of official confirmations from Syrian or Turkish defense ministries, however, leaves some aspects of this partnership unverified.

China's 2025 winter naval drills involve over 100 vessels, raising regional tensions.

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On December 4, 2025, the Chinese People's Liberation Army Navy conducted its largest maritime deployment to date, with over 100 vessels positioned across the Yellow Sea, East China Sea, South China Sea, and western Pacific. This aggressive maneuvering, which took place during the 2025 winter exercises, underscores China's escalating naval capabilities amidst ongoing regional tensions over Taiwan and maritime disputes. For India, this development highlights the urgent need to enhance maritime domain awareness in the Indian Ocean and to expedite indigenous carrier programs, as China's growing blue-water fleet threatens critical sea lines of communication and Quad-aligned interests in the Indo-Pacific. The operations signal a potential shift in China's approach to naval presence, complicating freedom of navigation crucial for regional stability and energy security.

China-Russia bomber patrol triggers Japanese, South Korean fighter jet responses.

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On December 9, 2025, Japan and South Korea scrambled fighter jets in response to a joint patrol by Chinese H-6 bombers and Russian Tu-95 bombers over the East China Sea, raising alarm over regional security dynamics. This incident reflects the escalating Sino-Russian military cooperation that has intensified since 2019, posing significant challenges to Indo-Pacific stability and potentially straining alliances such as the Quad. Japan's military response, including bolstered defenses on Yonaguni Island, signifies heightened vigilance against growing Chinese assertiveness,

particularly amid increased carrier operations. For India, the deepening China-Russia axis necessitates enhanced maritime domain awareness to safeguard its interests in Southeast Asia and the Indian Ocean region, underscoring a need for strategic recalibration in response to these shifting geopolitical currents.

US experts highlight challenges yet emphasize enduring India-US partnership importance.

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US experts have expressed concern over the India-US strategic partnership, citing significant political and economic challenges, including tariffs and renewed US ties with Pakistan's military. Analysts noted that despite a strong foundation in defense and technology, recent developments have strained relations, particularly following tariff actions and conflicts between India and Pakistan. However, cooperation continues in defense, with a new 10-Year Defense Framework Agreement and advancements in space and technology. The broader implications suggest that while the partnership faces hurdles, both nations share mutual interests in promoting stability in the Indo-Pacific and countering China's influence, indicating that the relationship remains crucial for regional security.

Modi's Ethiopia visit highlights India's growing influence in African geopolitics.

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Prime Minister Narendra Modi's anticipated visit to Ethiopia next week underscores India's strategic intent to enhance its presence in African geopolitics amidst rising competition from global powers. By choosing Addis Ababa, the seat of the African Union, Modi aims to strengthen bilateral ties with Ethiopia, particularly in trade, investment, and defense, following discussions with Ethiopian Prime Minister Abiy Ahmed at the recent BRICS summit. With a rich historical connection and growing trade amounting to \$571.52 million, India's outreach reflects a commitment to reclaim diplomatic space and assert its role in Africa, a region that remains critical for global governance and maritime security. This visit marks a significant step in consolidating India's long-standing relationships and expanding its influence in a geopolitically vital area.

Putin's India visit boosts nuclear power collaboration and trade.

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During President Vladimir Putin's recent visit to India, both nations advanced their strategic nuclear partnership by agreeing to expand cooperation in nuclear energy, including the establishment of new reactors and floating nuclear power plants. This collaboration aims to enhance India's energy infrastructure, with plans for a second Rosatom power plant and increased joint research on nuclear technologies. Prime Minister Narendra Modi emphasized the importance of strengthening connectivity and trade routes between India and Russia, aiming for bilateral trade to reach \$100 billion. The initiatives align with India's ambitious goal of achieving 100 GW of nuclear power by 2047, reinforcing Russia's role as a key supplier of nuclear technology amidst evolving global energy alliances.

India and Brunei launch first Defense Cooperation Working Group in New Delhi.

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India and Brunei have taken a significant step in their defense relationship by establishing the Joint Working Group (JWG) on Defence Cooperation, which convened for the first time in New Delhi on December 9, 2025. The discussions focused on enhancing military engagement, maritime security, and cooperation in defense technology and industry, with a strong emphasis on securing sea lanes and improving joint training. The signing of the terms of reference marks the beginning of structured, regular engagement between the countries' defense establishments. Both nations reaffirmed their commitment to maintaining peace and stability in the Indo-Pacific region, highlighting the importance of enhancing regional security mechanisms amid evolving strategic challenges.

NATO tests POLARIS laser communications to counter Russian jamming threats.

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NATO has successfully tested the POLARIS laser communications terminal developed by Lithuanian company Astrolight during its largest military exercise, DiBaX, in Latvia, amid escalating Russian jamming threats. This innovative technology demonstrated its ability to provide undetectable, high-speed data

transmission even in adverse weather conditions, outperforming traditional radio frequency communications that are vulnerable to jamming. The exercise, which ran from October 27 to November 7, showcased the system's interoperability and reliability, crucial for modern tactical operations in contested environments. This advancement highlights NATO's proactive measures to enhance battlefield communication capabilities, significantly addressing the increasing electronic warfare pressures in the Baltic region and beyond.

India and Canada renew intelligence sharing to address security concerns.

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India and Canada have resumed intelligence sharing and cooperation in law enforcement following productive meetings between their National Security Advisers, Ajit Doval and Nathalie G. Drouin. This renewed engagement aims to address mutual security concerns, including gang violence, drug trafficking, and terrorism, despite prior diplomatic tensions involving allegations against Indian agents. The dialogue emphasizes building trust and fostering operational coordination, particularly between India's National Investigation Agency and the Royal Canadian Mounted Police. As both nations navigate their complex relationship, these efforts signify a commitment to enhancing public safety and reaffirming bilateral ties, which are crucial for regional stability and security.

Asim Munir warns India not to underestimate Pakistan's military response.

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In his inaugural address as Pakistan's Chief of Defence Staff, Field Marshal Asim Munir warned India against underestimating Pakistan's military response, particularly following the recent Operation Sindoar, which targeted terrorist infrastructure in response to an attack in Pahalgam. He emphasized Pakistan's commitment to sovereignty and territorial integrity, asserting that any aggression would elicit a swift and severe reaction. Munir's remarks underscore a heightened military stance amid ongoing tensions, reflecting Pakistan's positioning in regional geopolitics while also addressing internal security concerns regarding the Tehreek-e-Taliban Pakistan. The implications of these statements may escalate the already strained relations between the two nations, necessitating vigilant monitoring of developments.

Trump criticizes Europe's weaknesses, urges Ukraine elections amid NATO concerns.

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In a recent interview, former President Donald Trump criticized European allies for their handling of migration and perceived weaknesses, calling their situation a "disaster." He urged Ukraine's President Volodymyr Zelenskyy to conduct elections amidst the ongoing conflict with Russia, indicating frustration over the lack of substantial support from NATO allies for defense spending. Trump's remarks reflect a growing divergence in U.S. foreign policy, particularly regarding support for Ukraine and attitudes towards migration, which may heighten concerns among European leaders about the future of transatlantic relations. This public reprimand signals potential ideological fractures within Western alliances at a time when unity is crucial for addressing both European security and the ongoing challenges in Ukraine.

Terrorism and Counterterrorism

Security forces neutralize 14 Maoist leaders, LWE violence drops 91%.

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Security forces in India have achieved a significant milestone in the fight against left-wing extremism (LWE) by neutralizing 29 top Maoist leaders since 2019, including 14 Central Committee and Politburo members in 2025 alone. The number of districts affected by Maoist activities has drastically decreased from 126 in 2014 to just three as of October 2025, reflecting a reduction of 91%. Minister of State for Home Affairs Nityanand Rai highlighted that incidents of Maoist violence plummeted from 1,936 in 2010 to 218 in 2025, resulting in a remarkable 91% decrease in fatalities, with only 93 casualties reported this year. The government remains committed to eradicating LWE by March 2026, employing a comprehensive strategy that includes security operations, targeted leadership strikes, and rehabilitation efforts for surrendered insurgents. This approach not only underscores the effectiveness of the Modi government's policy towards counter-insurgency but also contributes to improving safety and stability in regions previously plagued by violence, marking a pivotal step towards national security and development.

Military Operations

India and Nepal DGMOs validate SURYAKIRAN-XIX, strengthening military ties.

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India and Nepal's Directors General of Military Operations (DGMOs), Lt Gen Manish Luthra and Maj Gen Anup Jung Thapa, validated Exercise SURYAKIRAN-XIX on December 8, 2025, in Pithoragarh, Uttarakhand, culminating the 19th edition held from November 25 to December 8. Involving 334 personnel each from India's Assam Regiment and Nepal's Devi Datta Regiment, the two-day battalion-level exercise demonstrated joint tactics, techniques, and procedures for UN-mandated counter-terrorism operations in mountainous terrain, integrating drones for ISR and precision targeting, AI surveillance, unmanned platforms, and secure communications. Troops executed intelligence-based surgical strikes with aerial insertions, enhancing interoperability and rapid response for regional stability in the Himalayas. The DGMOs planted a Tree of Friendship, symbolizing enduring military brotherhood and India's leadership in shared Himalayan security.

NIA arrests eighth suspect linked to Red Fort attack logistics.

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The National Investigation Agency (NIA) has arrested Dr. Bilal Naseer Malla, the eighth suspect linked to the November 10 car blast near the Red Fort, which resulted in 11 fatalities and numerous injuries. Malla, apprehended in Delhi, is accused of providing logistical support to the deceased terrorist Umar Un Nabi and allegedly destroying evidence related to the attack. The NIA's ongoing investigation aims to uncover the broader conspiracy surrounding this heinous act, demonstrating the agency's commitment to dismantling terrorist networks. This development underscores the persistent threat posed by terrorism in India and highlights the importance of coordinated efforts among security agencies to safeguard public safety.

Lt Gen Mishra emphasizes robust counter-terrorism strategies in Doda.

10-Dec-25

During a recent visit to Doda district in Jammu and Kashmir, Lt Gen P K Mishra, the General Officer Commanding of the Army's White Knight Corps, emphasized the importance of maintaining a robust and consistent counter-terrorism strategy amidst rising threats. Accompanied by Maj Gen A P S Bal, he assessed operational readiness and urged troops to remain vigilant and prepared for emerging challenges with professionalism and determination. This focus on alertness and proactive measures highlights the Indian Army's commitment to addressing security dynamics in militancy-infested areas, reinforcing its role in ensuring stability and safety in the region. The directives underscore the broader strategic objective of countering terrorism effectively, thereby contributing to national security.

Aditya-L1 enhances global solar storm research with key findings.

10-Dec-25

India's Aditya-L1 solar observatory has played a key role in explaining why the May 10, 2024 geomagnetic storm, dubbed "Gannon's storm", became the most powerful solar event in more than two decades, reaching the top G5 category on the NOAA scale and disrupting satellites, communications, GPS and power infrastructure worldwide. A study published in Astrophysical Journal Letters in early December 2025, drawing on multipoint observations from Aditya-L1 and six US spacecraft including NASA's Wind, ACE, DSCOVR, THEMIS-C, STEREO-A and MMS, shows that a rare sequence of multiple coronal mass ejections from the Sun collided en route to Earth, triggering large-scale magnetic reconnection inside an interplanetary CME flux rope. Precise magnetometer measurements from Aditya-L1 at the L1 Lagrange point enabled scientists to map an internal reconnection region about 1.3 million km across, nearly 100 times Earth's diameter, where the storm's magnetic field sharply reversed, greatly enhancing energy transfer into Earth's magnetosphere and marking a major advance in global space-weather forecasting capabilities and India's heliophysics profile.

Miscellaneous

Chandrayaan-3's RAMBHA-LP Provides Key Insights into Lunar Plasma Environment

10-Dec-25

Fresh analysis of Chandrayaan-3's RAMBHA-LP data released by ISRO on 9 December 2025 shows that the Moon's south polar surface hosts a much more active electrical environment than earlier thought, strengthening India's case for long-term operations near the lunar pole. Using the Radio Anatomy of the Moon Bound Hypersensitive ionosphere and Atmosphere – Langmuir Probe on the Vikram lander, scientists examined measurements taken near Shiv Shakti Point (69.3° S, 32.3° E) between 23 August and 3 September 2023, following the historic landing on 23 August 2023. The study reports near-surface electron densities of about 380–600 electrons per cubic centimetre and electron temperatures of roughly 3,000–8,000 Kelvin, significantly exceeding earlier remote-sensing estimates from higher altitudes. ISRO said the plasma is driven mainly by the solar wind and photoelectric charging, and is further modulated when the Moon traverses Earth's magnetotail, creating a constantly changing electrical environment that will affect communications, charging of landers and habitats, and dust behaviour around future south polar bases.

Microsoft to invest \$17.5 billion to advance India's AI future.

10-Dec-25

Microsoft has announced a substantial \$17.5 billion investment in India over the next four years to bolster the country's AI-first vision, enhancing infrastructure, skills, and sovereign capabilities. This investment follows an earlier \$3 billion commitment, reflecting a deepening commitment to India's rapidly growing digital market. Prime Minister Narendra Modi expressed confidence in India's potential as a global AI leader, supported by government incentives aimed at fostering indigenous semiconductor and tech manufacturing. The influx of investments from major companies like Google and Reliance signifies a transformative era for India's digital landscape, positioning the nation as a key player in global AI innovation and economic growth.

President Murmu highlights human rights' role in India's equitable society during NHRC celebration.

10-Dec-25

The President of India, Smt Droupadi Murmu, addressed the Human Rights Day celebration organized by the National Human Rights Commission in New Delhi, emphasizing the fundamental role of human

rights in fostering a just and equitable society. She highlighted India's historical contributions to the global human rights framework and underscored the importance of ensuring these rights reach the most marginalized, aligning with the nation's vision of a Viksit Bharat by 2047. The President noted significant advancements in human rights protections, particularly for women and vulnerable communities, and

acknowledged the transformative reforms introduced through the four Labour Codes, which aim to create a resilient workforce. She called upon citizens to actively participate in safeguarding human rights as a collective responsibility for a compassionate society, reinforcing that human rights and development are intrinsically linked, a perspective central to India's democratic ethos and national progress.

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Defence Sector Stocks

Stock	Open	High	Low	Close	Volume	Change	RSI14	SMA20	SMA200
DRONACHRYA	49.94	51.07	49.94	51.07	166000	5.0	49.31	51.85	70.84
SWANDEF	1199.3	1199.3	1199.3	1199.3	4300	5.0	100.0	784.82	123.74
URAVIDEF	153.36	161.02	152.82	161.01	6730	4.99	22.25	188.55	390.68
SIKA	912.7	982.0	890.0	949.95	45917	4.92	41.44	981.97	1007.62
TECHERA	216.2	222.1	216.2	218.5	22400	3.29	40.1	233.38	196.98
JYOTICNC	935.3	1006.4	930.9	953.4	5990190	2.52	48.38	981.61	1014.57
LOKESHMACH	148.6	154.9	148.0	152.24	39697	2.38	39.63	161.22	181.78
ZENTEC	1350.0	1374.2	1329.5	1368.2	268362	1.72	45.22	1395.96	1541.13
CENTUM	2239.2	2317.6	2239.2	2276.1	28076	1.52	41.04	2375.72	2197.39
AVANTEL	143.1	147.9	142.62	144.58	1528663	1.43	33.09	154.13	147.05
PTC	153.55	156.75	153.55	155.03	707000	0.96	35.57	159.78	171.91
COCHINSHIP	1625.9	1648.9	1605.0	1618.8	518851	0.06	33.76	1671.05	1723.64
BHARATFORG	1387.1	1392.4	1375.7	1383.8	570470	0.04	50.86	1409.01	1217.03
LT	4000.0	4030.0	3970.0	3991.3	957277	-0.16	50.88	4021.9	3599.49
TANEJAERO	296.0	319.7	296.0	301.95	13473	-0.17	33.24	323.4	363.43
HAL	4310.5	4332.4	4271.0	4294.1	949813	-0.21	31.91	4543.47	4521.06
KRISHNADEF	752.0	765.0	730.0	733.65	17750	-0.31	40.03	778.83	785.94
DYNAMATECH	9650.0	9747.5	9411.0	9633.0	32715	-0.36	62.16	9224.85	7123.69
GOODLUCK	1110.0	1125.0	1084.1	1089.9	38123	-0.46	36.16	1147.42	1005.11
BEML	1695.6	1698.0	1663.6	1675.4	149804	-0.49	25.91	1843.13	1902.55
SUNITATOOL	780.0	780.0	770.0	770.2	2125	-0.53	39.24	834.61	776.59
BEL	390.0	391.45	385.75	387.35	8372979	-0.54	34.89	411.02	369.22
ROSELLIND	55.72	55.72	54.01	54.6	5209	-0.64	32.04	57.62	65.86
RTNINDIA	40.57	41.85	39.9	40.03	1219590	-0.79	20.56	43.49	50.45
MACPOWER	995.0	999.0	973.1	990.55	16286	-0.91	58.17	956.09	876.14
TEMBO	699.0	718.9	699.0	704.1	19917	-1.01	47.31	745.85	557.69
SOLARINDS	12588.0	12666.0	12412.0	12456.0	66901	-1.05	31.42	13309.3	13736.71
DCXINDIA	161.0	164.75	157.79	158.56	665665	-1.25	17.7	184.01	256.64
NIBE	1012.4	1021.75	991.95	998.55	2327	-1.27	31.01	1069.25	1341.16
ASTRAMICRO	899.9	906.85	881.1	886.65	87317	-1.47	33.53	945.08	950.77
ADANIENT	2255.8	2267.5	2204.1	2211.6	935149	-1.5	36.11	2331.76	2415.94
LMW	15200.0	15300.0	15000.0	15040.0	1008	-1.52	46.16	15221.7	15615.25
HBLPOWER	814.05	822.85	795.15	799.2	962947	-1.57	32.04	892.23	680.83
MIDHANI	303.2	307.55	296.6	298.35	261369	-1.68	25.87	331.87	362.85
PARAS	671.0	678.0	657.0	659.9	261992	-1.79	35.83	712.32	678.66
MARINE	208.0	208.51	200.98	201.55	227895	-1.88	33.51	228.6	199.67
BDL	1427.4	1438.5	1381.5	1400.3	1052587	-1.9	36.57	1508.05	1552.19
HIGHENE	564.0	564.0	551.55	553.15	2817	-1.92	38.67	591.15	606.11
MAZDOCK	2480.9	2509.9	2432.0	2439.1	673452	-2.01	25.88	2673.43	2837.55
GRSE	2448.0	2455.9	2383.0	2394.5	761770	-2.11	34.36	2692.4	2403.53
PREMEXPLN	515.0	516.75	495.85	498.75	138213	-2.23	31.63	545.0	508.27
MTARTECH	2332.4	2355.2	2258.7	2279.5	198137	-2.27	38.63	2517.16	1713.33
AZAD	1635.2	1636.2	1591.8	1599.1	63122	-2.34	44.56	1647.26	1575.52
IDEAFORGE	432.9	438.45	420.35	422.5	121413	-2.87	32.51	462.66	472.16
DATAPATTNS	2628.0	2635.2	2530.0	2543.2	322686	-3.06	30.52	2919.43	2518.71
RELINFRA	139.65	142.85	132.68	135.13	2920030	-3.24	24.51	164.05	270.55
CFF	608.95	608.95	580.0	580.0	9200	-3.33	34.23	620.2	583.18
APOLLO	240.2	246.0	230.0	231.2	3037250	-3.75	29.98	267.59	205.71
AXISCADES	1335.0	1339.0	1291.2	1302.5	34829	-3.79	36.19	1425.62	1226.65
WALCHANNAG	159.99	159.99	151.68	152.42	192372	-4.73	40.98	160.74	190.11