



Defence Professionals News & Analysis

January 06,2025 | Day 006

Top Gainers

Stock	Close	Prev	Change
KRISHNADEF	799.7	764.4	+4.62%
DCXINDIA	373.1	368.9	+1.14%

Top Losers

Stock	Close	Prev	Change
PREMEXPLN	503.3	551.05	-8.67%
APOLLO	128.59	138.25	-6.99%
PTC	141.85	152.37	-6.9%
HIGHENE	611.4	654.45	-6.58%
GRSE	1534.85	1642.9	-6.58%

Defense Business and Industry

Goa Shipyard Unveils Two Indigenous Fast Patrol Vessels for ICG [SHARE](#)

06-Jan-25

Goa Shipyard Limited (GSL) has successfully launched two indigenous Fast Patrol Vessels (FPVs), named Amulya and Akshay, for the Indian Coast Guard (ICG), marking a significant milestone in India's defense production under the 'Atmanirbhar Bharat' initiative. These vessels, designed in-house with over 60% indigenous content, are optimized for offshore asset protection, fisheries monitoring, and anti-smuggling operations. The simultaneous launch using GSL's modern ship-lift system highlights advancements in shipbuilding technology and the shipyard's commitment to innovation, which contributed to a 100% increase in gross revenue, surpassing Rs 2,000 crore. This project not only enhances the operational readiness of the ICG but also supports local economic growth by creating employment opportunities within the ecosystem of MSMEs and local industries, showcasing India's resolve towards self-reliance in defense capabilities.

Tejas Fighter Jet Celebrates 24 Years, Future Rests on Mk1A Variant [SHARE](#)

06-Jan-25

The LCA Tejas fighter jet recently marked 24 years since its maiden flight, but the Indian Air Force has only inducted 40 jets due to development delays and production bottlenecks. Despite being a cornerstone of India's defense self-reliance, the program faces continued challenges, including evolving operational requirements. The upcoming Tejas Mk1A variant

promises improvements such as advanced avionics and increased capabilities, with deliveries expected by 2025. Future programs like the Tejas Mk2 and AMCA must learn from past obstacles to enhance India's indigenous defense manufacturing, highlighting the need for greater private sector participation and streamlined processes to overcome systemic inefficiencies.

GTRE's Kaveri Engine Redesign Aims for 90kN Thrust for Tejas Mk1A/Mk2 [SHARE](#)

06-Jan-25

The Gas Turbine Research Establishment (GTRE) is advancing the development of both the next-generation Kaveri engine, targeting 90kN thrust for the Tejas Mk1A and Mk2, and the Kaveri Derivative Engine (KDE), which currently produces 46kN but is heavier than desired. The new Kaveri engine requires a complete redesign to achieve higher thrust while maintaining reliability, aiming to reduce India's dependence on foreign engine suppliers. Meanwhile, the KDE's weight poses challenges for manned fighter aircraft due to its impact on agility and efficiency, but its application in unmanned systems like the Remotely Piloted Strike Aircraft (RPSA) remains promising. The development of these engines highlights India's commitment to enhancing indigenous defense capabilities, emphasizing advancements in materials and technology to achieve strategic autonomy in the defense sector.

Aero India 2025: Unleashing a Billion Opportunities in Bengaluru [SHARE](#)

06-Jan-25

Aero India 2025, Asia's largest aerospace exhibition, will be held from February 10 to 14, 2025, at Yelahanka Air Force Station in Bengaluru, focusing on the theme "The Runway to a Billion Opportunities." The event aims to

foster international partnerships and boost India's indigenisation efforts, featuring business days, public showcases, and a Defence Ministers Conclave to strengthen defense ties with friendly nations. With a spotlight on the Make-in-India initiative, the exhibition will highlight indigenous manufacturing capabilities and new technologies, promising to surpass previous milestones by showcasing cutting-edge innovations and facilitating critical global dialogues within the aerospace sector.

Modi to finalize \$7B deal for Rafale-M jets and Scorpene subs in Paris



06-Jan-25

India is poised to finalize a deal for 26 Rafale-M jets and three Scorpene submarines during Prime Minister Modi's upcoming visit to Paris. This agreement, valued at approximately \$7 billion, aims to enhance the Indian Navy's operational capabilities, especially against regional threats from China and Pakistan. The Rafale jets will support India's aircraft carriers, while the Scorpene submarines will be built with increased indigenous content, bolstering local defense manufacturing under the "Make in India" initiative. This strategic partnership with France reflects India's commitment to modernizing its naval forces and strengthening defense ties, thereby enhancing self-reliance and military readiness amid evolving security challenges in the Indo-Pacific region.

India's Aero Engine Decision by 2025: A Game-Changer for Defense



06-Jan-25

India's DRDO is set to make a pivotal decision by 2025 regarding indigenous aero engine manufacturing, a crucial step towards enhancing its defense capabilities, particularly for the TEJAS MK-2. International partnerships, notably with General Electric, aim to bolster India's self-reliance in defense technology, reducing import dependency and improving operational readiness amid regional tensions. The focus on developing advanced domestic engines promises not only to streamline fighter jet deployment but also to position India as a potential exporter of aero-engine technology, thus achieving greater strategic autonomy and strengthening the defense ecosystem overall. Renowned analyst Nitin A. Gokhale emphasizes that 2025 could be transformative for India's aerospace sector.

Shiva Texyarn Wins Major Contract for 16,000 NBC Suits from Army



06-Jan-25

Shiva Texyarn Ltd has secured a major contract from the Indian military to supply 16,000 pairs of advanced Nuclear, Biological, and Chemical (NBC) suits, specifically the Permeable MK V model. This achievement underscores the company's capability in producing high-quality protective gear that meets the strict standards of the Indian Armed Forces. The suits, designed for lightweight durability and extended protection in extreme environments, are crucial for enhancing India's defense preparedness. This contract not only reflects the growing collaboration between the defense industry and military but also reinforces India's commitment to advancing its defense capabilities through indigenous production.

DRDO Enhances HALE UAV Development for Superior Aerial Surveillance



06-Jan-25

The Defence Research and Development Organisation (DRDO) is advancing its development of a High Altitude Long Endurance (HALE) UAV tailored for ISTAR missions, significantly bolstering India's aerial surveillance capabilities. This 5-tonne UAV, with a 2-tonne payload capacity, can operate above 35,000 feet and has an impressive endurance of over 25 hours, facilitating continuous intelligence gathering without frequent redeployment. Powered by a turboprop engine for high-altitude efficiency, the UAV's advanced specifications enable it to carry various sensors and potentially offensive systems. General Atomics will contribute as a consultant to validate systems, further enhancing the program's credibility and effectiveness in strengthening India's defense posture.

BrahMos-NG Trials Set for Late 2027, Boosting IAF Capabilities



06-Jan-25

The next-generation BrahMos-NG missile is set to enter trials by late 2027 or early 2028, significantly enhancing India's aerial strike capabilities. Designed for versatility across various fighter jets, including smaller platforms like the LCA-Tejas Mk1A, the BrahMos-NG will achieve a supersonic speed of Mach 3.5 while weighing between 1.3 to 1.4 tons, allowing for greater operational flexibility. The integration of this missile with the Su-30MKI is also underway, promising to augment India's defense arsenal without compromising on range or precision. This advancement reaffirms India's commitment to modernizing its military capabilities and

ensuring a robust defense posture in a dynamic geopolitical landscape.

Su-57E Production Delayed by Engine and Tech Issues: IAF Official



06-Jan-25

A senior Indian Air Force official has indicated that the production of the Su-57E, Russia's fifth-generation stealth fighter, is at least 4-5 years away, primarily due to delays in developing key technologies like the AL-51F engine and 2D Thrust Vector Control (TVC). The official's insights highlight concerns over the readiness of these features, with India having already exited the joint FGFA program due to performance and cost issues. This situation emphasizes the necessity for India to focus on its indigenous Advanced Medium Combat Aircraft (AMCA) program and potential collaborations with Western defense manufacturers, thereby ensuring strategic autonomy and enhanced defense capabilities.

L&T Begins Second Zorawar Light Tank Prototype Ahead of Trials



06-Jan-25

Larsen & Toubro (L&T), in collaboration with the DRDO, has commenced manufacturing the second prototype of the Zorawar Light Tank, which is geared for high-altitude warfare as the Indian Army prepares for trials of the first prototype. This initiative, with plans to induct up to 354 units, underscores India's commitment to enhancing its armored capabilities in challenging terrains, particularly along the Line of Actual Control with China. The Zorawar, weighing around 25 tonnes, features advanced optics, a 105mm gun, and AI-enabled systems, aligning with India's self-reliance goals in defense manufacturing and the broader Make in India initiative. This development represents a significant leap forward in India's indigenous defense capabilities.

Indian Defense Firms Excel at Vietnam's Defense Expo 2024



06-Jan-25

Indian defense enterprises showcased their capabilities at the Vietnam International Defence Expo in Hanoi from December 19 to 22, 2024, enhancing Indo-Vietnamese defense collaboration. Key players like Bharat Electronics Limited, Hindustan Aeronautics Limited, and BrahMos Aerospace displayed innovative technologies such as missile systems, advanced aerospace solutions, and naval defense technologies, highlighting India's commitment to defense innovation.

The event facilitated discussions on technological advancements and potential joint ventures, emphasizing mutual interests in maritime security and defense production. This strategic engagement not only strengthens ties between India and Vietnam but also positions India as a key player in regional defense partnerships.

India's Defence Ministry Launches Three Key Surveillance Projects



06-Jan-25

India's Ministry of Defence is advancing three crucial surveillance integration projects to enhance the operational capabilities of its armed forces. The Indian Air Force's initiative focuses on integrating national air surveillance radars within the Integrated Air Command and Control System (IACCS) to provide real-time intelligence, while the Army's Akashteer project automates air defense command and firing processes, improving situational awareness and response times to aerial threats. These projects not only streamline command decisions but also ensure effective communication across defense components, significantly bolstering India's air defense strategy and operational efficiency against potential threats.

Indian Army Pursues Advanced Camouflage Nets for Desert Operations



06-Jan-25

The Indian Army has issued a Request for Proposal for 10,276 Multi-Spectral Camouflage Nets (MSCN) to enhance its operational capabilities in desert and semi-desert environments. These advanced nets aim to provide critical military assets like tanks and radars with sophisticated concealment against enemy detection across various electromagnetic spectrum ranges, thus ensuring a tactical advantage. The MSCNs are engineered to adapt to environmental conditions while effectively hiding equipment from visual and thermal surveillance, as well as minimizing radar signatures. This procurement underscores India's commitment to modernizing its defense capabilities and maintaining strategic superiority in challenging terrains.

Project-75I Submarine Tender Faces Legal Hurdles Over AIP Issues



06-Jan-25

The Project-75I submarine tender in India is facing legal challenges due to questions about compliance with Air Independent Propulsion (AIP) standards by the bidders,

ThyssenKrupp Marine Systems (TKMS) and Navantia. While TKMS has proven AIP technology on smaller submarines, Navantia has yet to demonstrate its system integrated into a submarine, with its first deployment not expected until 2026. Defence analyst Ranesh Rajan warns that if either company is awarded the contract, the other might contest the decision, potentially delaying the project by several years. This situation highlights the complexity of defense procurement, emphasizing the need for the Indian Navy to navigate technical and legal challenges to enhance its strategic submarine capabilities.

Indian Navy Upgrades Talwar-Class Frigates with New Weapons Systems

06-Jan-25

The Indian Navy is enhancing its Talwar-class frigates with a significant overhaul that includes the upgraded A-192M Naval Gun and the implementation of a Vertical Launch System (VLS) for the Shtil-1 Air Defence system. These upgrades will improve the frigate's offensive and defensive capabilities, providing better range, accuracy, and faster reloading options for engaging multiple threats. The transition to VLS allows for a broader missile range and contributes to the vessels' stealth by reducing radar signatures. Overall, these enhancements will bolster India's maritime security and operational effectiveness in a region characterized by evolving threats.

HAL Sees Increased Global Demand for Su-30 Engine Repairs Amid Russian Supply Disruptions

06-Jan-25

Hindustan Aeronautics Limited (HAL) is experiencing a surge in inquiries from global operators of Su-30 jets for AL-31F engine maintenance due to disruptions in Russian supply chains caused by the Ukraine conflict. The reliance on Russian export clearance for engine components poses a challenge for HAL, which has potential to become a key player in the global defense market by offering maintenance and repair services. If HAL secures the necessary approvals, it could position India as a hub for Su-30 maintenance in Asia, highlighting the need for countries to diversify their defense supply chains to mitigate geopolitical risks. This scenario may foster stronger Indo-Russian defense collaborations.

Indian Navy Develops Jet-Powered UAVs for Indian Ocean Surveillance

06-Jan-25

The Indian Navy is advancing its capabilities by developing long-range, jet-powered unmanned aerial vehicles (UAVs) to enhance surveillance across the Indian Ocean Region (IOR). This initiative aims to improve maritime domain awareness, enabling quicker response to emerging situations. While acquiring MQ-9 Reaper drones for ISR roles, the Navy seeks to overcome limitations of current turboprop UAVs by collaborating with Indian defense firms to create jet-powered platforms with extended range, high speed, and advanced sensors. This development is crucial given the increasing presence of foreign naval forces in the IOR, solidifying India's commitment to maritime security and power projection in a strategically vital region.

Geopolitics and Security Alliances

North Korea Tests Missile as Blinken Pushes for Regional Unity

06-Jan-25

North Korea launched an intermediate-range ballistic missile on the same day that U.S. Secretary of State Antony Blinken visited Seoul, emphasizing the urgency for enhanced regional security cooperation among the U.S., South Korea, and Japan. This missile, traveling over 1,100 kilometers before landing in the sea, is notable as it marks Pyongyang's first launch since November 5. Amid South Korea's political turmoil, following the impeachment of President Yoon Suk Yeol, Blinken reiterated Washington's steadfast defense commitment and advocated for close diplomatic relations to counter North Korean provocations. The developments underscore North Korea's ambition to advance missile technology, particularly solid-fuel systems, which pose significant strategic challenges, highlighting the necessity for a robust collective response from allied nations.

Biden's Era Strengthened U.S.-India Defense Ties, Expert Says

06-Jan-25

The Biden administration was notably pro-India, enhancing defense ties and technology sharing, according to expert Aparna Pande. She anticipates that the incoming Trump administration will continue this trend, supported by key nominees like Marco Rubio and

Mike Waltz, who advocate strong India relations. While challenges remain, such as trade disputes and immigration issues, U.S. policy is likely to maintain a focus on countering China, with India positioned as a crucial ally. The expert emphasizes that while India enjoys bipartisan support, the new administration may prioritize power politics over altruism, affecting future diplomatic dynamics.

Israel Denies Hamas Hostage List Amid Ongoing Strikes



06-Jan-25

Israeli Prime Minister Benjamin Netanyahu's office has denied claims that Hamas provided a list of hostages for a potential ceasefire, asserting that no such list has been received. Concurrently, the Israel Defense Forces (IDF) conducted targeted drone strikes against Hamas operatives in Gaza, including the killing of Saad Said Zaki Dahnon, a key Islamic Jihad figure involved in previous attacks. These actions underscore Israel's ongoing military strategy to neutralize threats while addressing the complexities of the hostage situation. The situation reflects the broader geopolitical tensions in the region, demonstrating Israel's commitment to national security amidst the challenges posed by militant groups.

Blinken warns of Russia-North Korea ties in satellite tech exchange



06-Jan-25

US Secretary of State Antony Blinken has expressed concerns that Russia is expanding its cooperation with North Korea, specifically in advanced satellite technology, likely in exchange for North Korean support in the Ukraine conflict. This development comes amid North Korea's missile test coinciding with Blinken's visit to Seoul. Blinken reiterated that the US believes Russia is considering formally recognizing North Korea as a nuclear power, a move that could exacerbate regional tensions. This scenario poses significant implications for security in the Indo-Pacific, highlighting the need for enhanced defense collaboration among allies, including India, to counteract the growing influence of Russia and North Korea in the region.

CFOs Warn of Geopolitical, Cyber, and Inflation Risks for India Inc



06-Jan-25

CFOs from various sectors in India are voicing concerns about geopolitical uncertainties, cybersecurity threats, regulatory challenges, inflation, and talent acquisition as significant risks for businesses heading into 2025.

They emphasize the need for proactive risk management strategies that prioritize technological innovation, resilient supply chains, and robust cybersecurity frameworks to navigate these challenges effectively. The evolving regulatory landscape, particularly concerning data privacy and ESG standards, adds further complexity, while inflationary pressures are squeezing profit margins. CFOs advocate for fostering talent and building high-performing teams to drive growth amid these uncertainties, highlighting the importance of adaptability in a rapidly changing environment.

Zelenskiy: U.S. Support Essential to Counter Russian Threats



06-Jan-25

Ukrainian President Volodymyr Zelenskiy emphasized the necessity of U.S. security guarantees to effectively counter Russian aggression and expressed hope for a prompt meeting with President-elect Donald Trump. He warned that a U.S. withdrawal from NATO could embolden Russia, jeopardizing European security. Zelenskiy highlighted the urgent need for NATO membership and stressed that without U.S. backing, any peace agreement would merely allow Russia to regroup. As the situation intensifies in the Donbas region, he called for strong American leadership to compel Moscow towards serious negotiations, while also acknowledging the heavy toll of North Korean troop involvement in the conflict.

BJP counters Congress, linking Chinese incursions to Nehru era



06-Jan-25

The BJP has criticized the Congress for blaming Prime Minister Narendra Modi for Chinese territorial incursions, asserting that these events transpired during Jawaharlal Nehru's tenure. BJP IT head Amit Malviya emphasized that China's annexation of regions such as Aksai Chin occurred long before Modi's administration. He highlighted historical details, including the construction of the G219 Highway and specific territorial occupations by China from 1959 to 1962. This discourse underscores the ongoing political contention over national security narratives, with the BJP defending Modi's record while attributing past failures to earlier leadership, thereby reinforcing its stance on the importance of historical accountability in addressing contemporary geopolitical challenges.

French Ships FS Forbin and FS Alsace Arrive in Kochi to Boost Naval Ties

🔒 SHARE

06-Jan-25

French naval ships FS Forbin and FS Alsace have arrived in Kochi, India, enhancing naval collaboration and interoperability between India and France. This visit is part of Mission CLEMENCEAU 25, where the French Carrier Strike Group, led by the aircraft carrier FNS Charles de Gaulle, engages in joint training and prepares for multinational exercises like La Perouse and Varuna. Since 1998, India has been a key strategic partner for France, marked by extensive military cooperation through various bilateral exercises. This collaboration underscores both nations' commitment to maritime safety in the Indian Ocean region, fostering mutual growth and operational readiness against diverse threats.

Pakistan Eyes Chinese ASAT Missiles Amid India's Space Dominance

🔒 SHARE

06-Jan-25

Pakistan is seeking to acquire Anti-Satellite (ASAT) missiles from China to protect its satellite assets, following India's successful ASAT test in 2019, which raised concerns about the security of Pakistan's space infrastructure. With reliance on satellites for communication and reconnaissance, Pakistan's collaboration with China may expedite its ASAT capabilities amidst regional rivalries. However, the introduction of ASAT weapons risks escalating military tensions and could contravene international norms designed to preserve peaceful space operations, highlighting the need for strategic restraint to avoid potential conflicts in the evolving domain of space warfare. This situation underscores India's technological advancements and strategic intent in maintaining space superiority.

Military Operations

IAF Chief Reviews Combat Preparedness in Lakshadweep Islands

🔒 SHARE

06-Jan-25

Air Chief Marshal AP Singh, Chief of Air Staff, recently reviewed the combat readiness of the Indian Armed Forces in the strategically significant Lakshadweep Islands. His two-day visit included interactions with air warriors at Minicoy and Kavarati Islands, as well as discussions with personnel from the Indian Navy and

Coast Guard. Emphasizing the need for vigilance in a dynamic geopolitical landscape, he highlighted the Indian Air Force's critical role in addressing emerging threats and the necessity of maintaining a high state of readiness. The Chief praised the professionalism of the forward-deployed troops, reinforcing the importance of safeguarding India's security interests in the region.

Ukraine Launches New Offensive in Russia's Kursk Region

🔒 SHARE

06-Jan-25

Ukraine has launched a new offensive in the Kursk region of Russia, with reports indicating that Ukrainian forces managed to break through the border and hold territory since August. Russian officials claim to have repelled several attacks, but military bloggers suggest that Russian units are facing significant pressure. This offensive may weaken Ukraine's defenses in the east as Russian forces have made advancements there, marking their most rapid progress since 2022. The situation underscores the ongoing volatility in the region and highlights the complex dynamics of the conflict, emphasizing the strategic importance of territorial control in potential peace negotiations.

INS Tushil Strengthens Ties with Senegal Through Joint Exercises

🔒 SHARE

06-Jan-25

The Indian Navy's INS Tushil, under Captain Peter Varghese, is visiting Senegal as part of its operational deployment, engaging in military and cultural activities such as joint training sessions and a yoga demonstration. A highlight of the visit includes a Passage Exercise (PASSEX) and joint patrol operations with the Senegalese Navy, aimed at enhancing interoperability and regional security in West Africa. This deployment signifies India's commitment to fostering stronger maritime cooperation and cultural ties with Senegal, showcasing India's proactive approach to securing its interests and promoting goodwill in the region, thus reinforcing its influence in West Africa.

Indian Army and Security Forces Seize 42 Weapons in Manipur

🔒 SHARE

06-Jan-25

In a series of coordinated operations across five districts in Manipur, Indian Army and local security forces recovered 42 weapons and a substantial amount of ammunition, showcasing effective inter-agency collaboration. Key recoveries included various rifles, IEDs, and grenades, underscoring the ongoing efforts to

restore peace following ethnic violence that resulted in significant arms looting. Manipur's Chief Minister reported over 3,100 arms and 2,500 explosives seized, with numerous arrests made. The successful operations highlight the commitment of the Indian defense and law enforcement agencies to maintaining security in the region, reflecting a proactive approach to countering insurgency and criminal activities.

Terrorism and Counterterrorism

Naxals ambush security vehicle in Chhattisgarh, killing 9

🕒 SHARE

06-Jan-25

Naxalites attacked a vehicle carrying security personnel in Bijapur, Chhattisgarh, using an improvised explosive device, resulting in the deaths of nine individuals, including eight policemen. This incident has drawn condemnation from local leaders, with former CM Dr. Raman Singh labeling the attackers as "cowards" and emphasizing the need for continued robust action against such militant groups. This attack underscores the persistent security challenges faced in the region and highlights the resilience of Indian security forces in addressing insurgency, while also emphasizing the government's commitment to enhancing operational strategies against such threats to ensure the safety of its personnel and civilians.

11 Pakistani Soldiers Killed in Balochistan Convoy Attack

🕒 SHARE

06-Jan-25

A recent attack in Turbat, Pakistan, resulted in the deaths of 11 soldiers and injuries to 48 others when a convoy was targeted by a bomb, allegedly carried out by the Baloch Liberation Army (BLA). This incident highlights the ongoing instability in Balochistan, where the BLA has claimed numerous attacks against Pakistani forces, asserting its pro-independence stance. The attack, condemned by Pakistani officials, underscores the significant security challenges facing Pakistan, particularly in regions impacted by separatist movements. As India closely monitors developments in its neighboring countries, such incidents may influence regional security dynamics and defense strategies.

Cybersecurity and Information Warfare

Taiwan faces 2.4M daily Chinese cyberattacks in 2024, report reveals.

🕒 SHARE

06-Jan-25

Taiwan's National Security Bureau reported a staggering increase in cyberattacks from Chinese forces, averaging 2.4 million daily in 2024, double the previous year's figure. This surge coincides with heightened military pressure from Beijing, exemplified by extensive military drills near Taiwan. The targeted sectors include telecommunications, transportation, and defense, with tactics ranging from distributed denial-of-service (DDoS) attacks to sophisticated cyber infiltration methods. Such aggressive actions reflect China's intent to undermine Taiwan's sovereignty and disrupt its operations, highlighting the urgent need for strengthened cybersecurity measures and international support for Taiwan in the face of escalating threats.

Lawmakers seek clarity on US Treasury breach linked to China hackers

🕒 SHARE

06-Jan-25

A recent cybersecurity breach at the US Treasury, attributed to China-backed hackers, has alarmed lawmakers, prompting calls for urgent congressional briefings. The breach, linked to a compromised third-party software provider, allowed access to unclassified documents, although officials assert that sensitive information remains secure. The incident underscores ongoing concerns about Chinese cyber operations targeting US infrastructure, with US senators emphasizing the need for robust protective measures against foreign adversaries. China's Ministry of Foreign Affairs has dismissed these accusations as unfounded, framing them as part of a political agenda aimed at undermining its image, highlighting the escalating geopolitical tensions in cyberspace.

China Denounces U.S. Sanctions, Cites Foreign Cyber Threats

🕒 SHARE

06-Jan-25

China has condemned recent U.S. sanctions against its cybersecurity firm, Integrity Technology Group, accusing Washington of using cyber attack allegations to smear its reputation. The U.S. Treasury imposed these sanctions over multiple hacking incidents targeting critical infrastructure, citing a Chinese state-

sponsored campaign, Flax Typhoon. In response, China's cybersecurity agency reported attacks from various foreign sources, asserting a significant threat to its networks. Integrity Technology, asserting compliance with laws, claimed the sanctions would not impact its operations, as it does not conduct business in the U.S. This ongoing cyber tensions highlight the geopolitical struggle between the U.S. and China over cybersecurity and technological dominance.

Miscellaneous

ISRO's SpaDeX Satellites Set for Docking with S2A Tracking SHARE

06-Jan-25

ISRO's SpaDeX mission, launched on December 30, 2024, is set to demonstrate pivotal docking technology with its small satellites SDX01 (Chaser) and SDX02 (Target), aiming for a successful docking on January 7, 2025. The selection of this date was meticulously planned, considering orbital dynamics, ground control readiness, optimal solar conditions, and exhaustive preparations by ISRO's team. Tracking by Swiss company S2A Systems is crucial for ensuring the satellites' precise maneuvers, showcasing India's growing capabilities in space exploration. This mission not only marks a significant leap for India in space technology but also positions ISRO as a key player in global space endeavors, paving the way for future projects like satellite refueling and space assembly. The successful execution of SpaDeX will further enhance India's stature in the competitive field of space technology.

NTPC and CCTE Partner to Develop Thorium Fuel for PHWRs SHARE

06-Jan-25

NTPC Limited, India's largest integrated power company, has partnered with US-based Clean Core Thorium Energy (CCTE) to develop ANEELTM fuel, a thorium-based fuel for Pressurised Heavy Water Reactors (PHWRs), pending government approvals. This initiative aims to enhance India's energy security by utilizing domestically available thorium, reduce nuclear waste, and lower operational costs while promoting sustainable energy transitions. The collaboration also seeks to explore indigenization of fuel manufacturing and establish a supply chain for High-Assay Low-Enriched Uranium. This partnership underscores India's commitment to innovation in nuclear energy, aligning with its net carbon zero goals and enhancing its strategic energy capabilities.

BSF Seizes Drone and Heroin in Punjab Border Operations SHARE

06-Jan-25

The Border Security Force (BSF) recently intensified its crackdown on narco-drones, recovering a DJI Mavic 3 Classic drone and heroin packets in separate operations along the Punjab border. In Amritsar, a drone

Mil Personnel & Veterans

Air Commodore Debakinandan Sahu Takes Command of Tughlakabad Depot SHARE

06-Jan-25

Air Commodore Debakinandan Sahu has assumed command of the Base Repair Depot in Tughlakabad as of January 6, 2025, succeeding Air Commodore Rishi Seth. With a career starting in the Aeronautical Engineering stream of the Indian Air Force (IAF) in 1994, he boasts extensive experience, having served in key positions including Chief Engineering Officer at a major Air Force Base and various staff roles at Operational Command Headquarters. His expertise spans aviation and guided weapon missile systems, and in recognition of his distinguished service, he was awarded the Vishisth Seva Medal by the President of India in January 2023, underscoring his significant contributions to the IAF.

Indian Navy Hosts Workshop on Mental Health and Resilience SHARE

06-Jan-25

The Indian Navy is set to conduct a vital workshop on mental health and emotional resilience on January 7, 2025, at the DRDO Bhawan in New Delhi, as part of a 60-day Resilience Program. The workshop, featuring Sister Shivani of Brahma Kumaris, aims to provide Naval and civilian personnel with tools for stress management and fostering a positive mindset. This initiative underscores the Navy's commitment to mental wellness, recognizing the high-stress environment faced by personnel. By promoting emotional well-being, the Navy is taking significant strides towards enhancing the overall resilience and mental health of its members, ultimately contributing to operational effectiveness and personal fulfillment.

was recovered from a sugarcane field, while in Tarn Taran, two heroin packets weighing 562 grams and 632 grams respectively were seized. These successful operations were made possible through actionable intelligence and coordinated efforts with the Punjab Police, effectively disrupting narcotics syndicates operating from across the border. This proactive approach highlights India's commitment to securing its borders and combating drug trafficking, showcasing the effectiveness of collaboration between security forces and local law enforcement.

Navy Chief Inspires NCC Cadets with 'ABCD' Life Mantra SHARE

06-Jan-25

Indian Navy Chief Admiral Dinesh K Tripathi addressed the National Cadet Corps (NCC) Republic Day Camp, emphasizing the importance of youth in India's journey towards becoming a developed nation. He introduced an "ABCD" mantra focusing on attitude, belief, character, and discipline. Tripathi commended the NCC cadets for their dedication and participation in community development initiatives, reinforcing the ethos of unity and discipline. He highlighted the successful collaboration between the NCC and the Indian Navy, with numerous training opportunities for cadets that enhance their skills and global exposure. This engagement fosters patriotism and social responsibility among the youth, positioning them as future leaders in a rapidly evolving India. Tripathi's message and the NCC's efforts reflect a commitment to nurturing a capable and responsible generation aligned with India's aspirations for growth and stability.

Hamas open to releasing 34 hostages in potential Israel deal SHARE

06-Jan-25

A Hamas official indicated readiness to release 34 hostages as part of a potential prisoner exchange deal with Israel, coinciding with resumed negotiations in Qatar amid ongoing hostilities. Israel's military escalated its offensive, claiming to target militant positions, resulting in significant casualties in Gaza. The situation remains fluid, with accusations exchanged between Israel and Hamas over obstructing the dialogue. The high number of casualties on both sides highlights the urgent need for a ceasefire and a diplomatic resolution to the conflict, which has resulted in devastating humanitarian consequences, necessitating international mediation for sustainable peace efforts.

Breakthrough in Quantum Teleportation Over Fiber Optic Cables SHARE

06-Jan-25

Researchers have successfully executed quantum teleportation over a 30-kilometer fiber optic cable while simultaneously transmitting classical Internet signals, a feat previously deemed impossible due to potential interference. This achievement relies on quantum entanglement, allowing for the instantaneous transmission of information without physical particle movement. It simplifies the infrastructure for future quantum technologies, potentially enhancing encryption methods and enabling long-distance quantum connectivity. This breakthrough could revolutionize telecommunications, computing, and security, making quantum networks more accessible without significant new investments. As further refinements are made, these advancements promise significant implications for global data sharing and security.

INSV Tarini Begins Historic Voyage Led by Women Officers SHARE

06-Jan-25

The Indian Navy's INSV Tarini has embarked on the longest leg of its global voyage, covering approximately 5,600 nautical miles across the South Pacific, including the challenging Drake Passage to Port Stanley in the Falkland Islands. This expedition highlights India's growing maritime capabilities and the significant role of women in naval operations, following successful previous legs across the Indian Ocean and to New Zealand. Navy Chief Admiral Dinesh K Tripathi commended the crew for their courage, which underscores India's commitment to gender equality, maritime exploration, and international cooperation, thereby enhancing the nation's stature in global maritime affairs.

Tragic Explosion Claims Life at Major Defense Ammo Supplier SHARE

06-Jan-25

A worker tragically died in an explosion at Premier Explosives, a key supplier of solid propellant fuel for India's defense programs, including those for the DRDO and Bharat Dynamics Limited. The blast occurred during operations involving hazardous materials, raising concerns about safety protocols. Only four workers were present at the time, and one injured individual suffered serious burns. Authorities have launched an investigation into the incident, highlighting the importance of stringent safety measures in the defense

sector to prevent similar occurrences in the future. This situation underscores the critical need for rigorous adherence to safety standards in facilities handling explosive materials, which are vital for national security.

Piyush Goyal to Meet 20 Nations to Enhance India's Exports



06-Jan-25

Commerce and Industry Minister Piyush Goyal is set to meet representatives from 20 nations, including major economies like the US, China, and the UK, from January 6-8 to discuss strategies for boosting India's exports. The discussions will focus on critical issues such as non-tariff barriers and logistics, particularly in six key sectors like engineering goods and electronics. This initiative is crucial given the recent 4.85% year-on-year contraction in India's exports in November 2024, underscoring the need for strategic engagement to navigate challenges and seize opportunities in international trade. Strengthening these trade relationships could significantly enhance India's export potential and economic resilience.

Great Nicobar Island Project Awaits Final Cabinet Approval



06-Jan-25

The Great Nicobar Island Project, crucial for India's strategic positioning near vital maritime routes, is set to receive final Cabinet approval following environmental clearances. Valued at around 1 lakh crore, it comprises an international container transshipment terminal, a greenfield airport, an integrated township, and renewable energy initiatives. The project aims to boost India's maritime economy and enhance energy sustainability in the Andaman and Nicobar Islands. While opposing voices exist, the initiative is aligned with the government's broader strategy to strengthen India's maritime capabilities and regional influence, embodying the vision of transforming these islands into key economic and logistical hubs in the Indian Ocean.

Manipur Deports 26 Myanmar Nationals Amid Refugee Crisis



06-Jan-25

Manipur Chief Minister N. Biren Singh announced the deportation of 26 Myanmar nationals who had entered India illegally, reinforcing the state's commitment to humanitarian assistance while maintaining a strict stance against illegal immigration. Since the military coup in Myanmar, Manipur and Mizoram have seen an influx of approximately 35,000 refugees, with many residing in relief camps. The

central and state governments have been coordinating efforts for the biometric registration of these individuals to manage the situation effectively. This approach underscores India's dedication to border security while addressing humanitarian needs, reflecting a balanced strategy in handling regional challenges.

Sky Force Trailer: Akshay Kumar Leads Patriotic Aerial Action



06-Jan-25

The trailer for the highly anticipated film "Sky Force," starring Akshay Kumar and Veer Pahariya, was unveiled, set to release on January 24, 2025, coinciding with Republic Day week. This patriotic thriller narrates India's first significant airstrike against Pakistan, highlighting the valor and sacrifices of Indian Air Force (IAF) officers. Directed by Sandeep Kewlani and Abhishek Kapur, the film captures the emotional journey of soldiers and their families amidst military operations. Producer Dinesh Vijan emphasized the film as a tribute to the bravery and commitment of armed forces, aiming to inspire national pride and honor unsung heroes of India's military history.

Inquiry Launched After Fatal Indian Coast Guard Helicopter Crash



06-Jan-25

A Board of Inquiry has been initiated following the tragic crash of an Indian Coast Guard Advanced Light Helicopter (ALH) Dhruv in Porbandar, Gujarat, which resulted in the death of three crew members, including two pilots. The helicopter, involved in routine training, crashed while landing at the airport around noon. The deceased have been identified as Commandant (JG) Saurabh, Deputy Commandant SK Yadav, and Navik Manoj Pradhan. The Coast Guard is investigating the cause of the accident, emphasizing the commitment to honor the service of the brave personnel who sacrificed their lives in service to the nation. This incident underscores the inherent risks faced by defense personnel during training operations.

Top Maoists in Karnataka Show Intent to Surrender and Reintegrate



06-Jan-25

Most wanted Maoists in Karnataka have expressed intentions to surrender and reintegrate into society following an appeal from Chief Minister Siddaramaiah's government, spurred by recent police actions against them. The leaders have outlined demands for a dignified surrender process, the closure of false cases,

judicial support, and financial aid for rehabilitation. This development indicates a potential step towards reducing insurgency in the region, as the government's engagement could pave the way for lasting peace. The

overall scenario reflects a strategic move that may enhance internal security while fulfilling the democratic rights of individuals seeking to return to normal life.

Disclaimer: This newsletter provides an independent analysis of news articles and reports published across various media outlets over the past 24 hours. The views and opinions expressed herein are those of the individual authors and do not necessarily reflect the official stance of the publishers or any affiliated organizations. The publishers are not responsible for the accuracy, completeness, or reliability of the content analyzed and make no representations regarding the information contained herein. Readers are encouraged to consult original sources for verification and further context; access to the list of original sources analysed can be made available upon request via email.

Subscribe to DefenceProfessionals Whatsapp Channel



Defence Sector Stocks

Stock	Open	High	Low	Close	Volume	Change	RSI14	SMA20	SMA200
KRISHNADEF	764.4	802.6	764.4	799.7	111500	4.62	65.97	753.75	660.76
DCXINDIA	392.95	393.0	366.8	373.1	3676680	1.14	68.0	337.96	335.74
BDL	1143.65	1149.45	1103.65	1132.15	712342	-1.01	44.2	1200.61	1216.54
LT	3684.75	3692.25	3585.5	3603.2	1212012	-1.55	42.03	3733.6	3617.77
HAL	4218.0	4220.0	4070.0	4101.75	1131463	-2.48	36.19	4373.08	4467.4
SOLARINDS	9745.15	9754.2	9450.0	9479.45	66223	-2.72	37.53	10174.04	10145.63
BHARATFORG	1296.3	1301.65	1251.15	1260.75	758114	-2.73	34.17	1321.01	1456.14
ASTRAMICRO	789.0	793.9	757.65	766.7	210783	-2.76	44.19	797.59	807.15
LMW	16838.35	16870.8	16250.0	16355.2	4616	-2.87	40.4	17247.76	16240.37
CFF	675.6	740.0	675.6	680.0	35800	-3.01	48.45	700.29	627.91
ZENTEC	2533.45	2569.0	2409.0	2455.35	436160	-3.08	63.84	2365.81	1518.13
BEL	292.55	292.55	280.55	282.15	12638091	-3.36	36.97	300.45	281.34
ADANIENT	2557.65	2568.85	2463.5	2474.45	1121398	-3.52	46.88	2475.39	2975.76
ROSSELLIND	79.1	80.5	76.65	77.76	37866	-3.62	38.45	79.55	354.26
NIBE	1725.0	1730.0	1620.0	1639.65	35363	-3.82	39.55	1765.75	1742.72
SIKA	2533.8	2573.3	2475.0	2490.4	2282	-3.86	42.63	2632.83	2535.27
PARAS	1019.95	1023.35	960.4	969.2	163887	-4.0	35.54	1043.55	1042.51
MAZDOCK	2235.0	2235.0	2120.0	2130.35	1781399	-4.76	36.64	2377.18	1956.3
AVANTEL	157.69	157.99	148.5	149.31	612965	-4.96	38.34	160.78	-
TANEJAERO	446.0	449.8	414.0	423.0	22158	-4.99	42.64	447.1	491.57
MARINE	270.0	270.0	252.3	252.3	311779	-4.99	40.28	287.74	198.36
TEMBO	870.0	881.95	816.05	816.05	51255	-5.0	55.1	797.65	397.98
COCHINSHIP	1596.95	1596.95	1518.35	1518.35	420930	-5.0	46.0	1568.48	1734.21
HBLPOWER	627.0	627.5	589.0	592.25	1214858	-5.16	39.0	654.21	566.45
LOKESHMACH	336.05	340.45	313.35	318.05	73741	-5.36	38.16	342.15	391.04
MIDHANI	350.65	350.7	328.5	330.55	278957	-5.38	38.26	357.43	406.94
MTARTECH	1778.8	1778.8	1655.0	1673.2	402731	-5.53	48.32	1675.03	1788.95
IDEAFORGE	645.65	645.65	606.65	609.75	141831	-5.58	50.73	613.48	687.64
DATAPATNS	2520.0	2521.0	2333.0	2344.8	138821	-5.65	39.43	2528.49	2720.62
BEML	4142.0	4142.45	3870.0	3897.0	186825	-5.92	36.83	4217.29	3986.78
AZAD	1894.9	1915.45	1756.0	1766.8	466488	-6.29	53.15	1750.41	1558.39
GRSE	1642.95	1649.25	1522.5	1534.85	396538	-6.58	40.47	1663.01	1605.19
HIGHENE	642.6	663.9	601.05	611.4	9717	-6.58	42.93	651.16	718.49
PTC	152.0	152.5	140.0	141.85	2952313	-6.9	32.84	155.78	199.56
APOLLO	139.55	141.0	127.11	128.59	15866500	-6.99	71.48	104.49	105.09
PREMEXPLN	527.7	530.15	496.1	503.3	475317	-8.67	47.81	525.41	530.39