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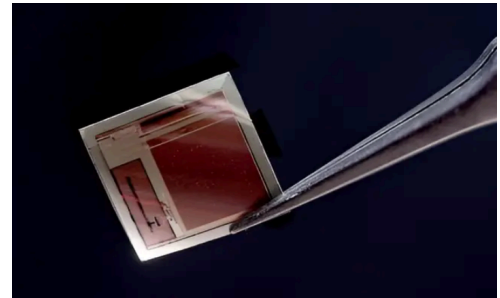
Daily News on Innovation & Technology

9th December 2025

US packs 65,536 electrodes into paper-thin brain chip for real-time neural streaming

By Kaif Shaikh, December 8, 2025

A new brain-computer interface (BCI) platform unveiled by researchers at Columbia University, New York-Presbyterian Hospital, Stanford University, and the University of Pennsylvania promises to expand the possibilities of neural treatment and human-computer interaction dramatically.



New Spectra supercomputer tests adaptive chips for nuclear-security simulations

By Neetika Walter, December 8, 2025

A new kind of supercomputer has landed at Sandia National Laboratories, and it may rewrite the rules of high-stakes national security simulations. Sandia has unveiled Spectra, a prototype machine built with tech company NextSilicon, marking one of the most unconventional computing architectures to enter a U.S. national lab.



IBM to Acquire Confluent to Create Smart Data Platform for Enterprise Generative AI

By ARMONK, NY and MOUNTAIN VIEW, CA, December 5, 2025

IBM (NYSE: IBM) and Confluent, Inc. (NASDAQ:CFLT), the data streaming pioneer, today announced they have entered into a definitive agreement under which IBM will acquire all of the issued and outstanding common shares of Confluent for \$31 per share, representing an enterprise value of \$11 billion.



[AI takes control in space for the first time, helps ISS robot move 60% faster](#)

By Aamir Kholam, December 8, 2025

A toaster-sized robot just took a major step toward autonomous space navigation. Stanford researchers have successfully demonstrated a machine-learning-based control system aboard the International Space Station (ISS) for the first time.



<https://interestingengineering.com/ai-robotics/robotic-float-antarctic-cavity>

By Neetika Walter, December 8, 2025

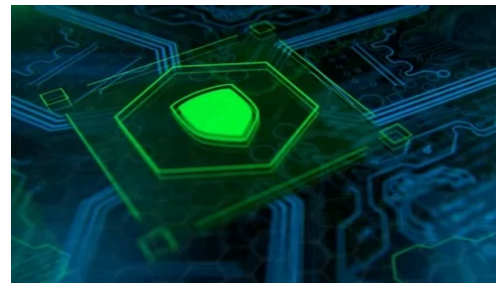
A lone robotic float has just achieved something no human, ship, or sensor array has ever managed. For two-and-a-half years, an Argo float equipped with temperature and salinity sensors drifted through East Antarctica's giant ice shelves, one of the harshest, least accessible regions on Earth.



[Automate Kubernetes AI Cluster Health with NVSentinel](#)

By Lalit Adithya , December 8, 2025

Kubernetes underpins a large portion of all AI workloads in production. Yet, maintaining GPU nodes and ensuring that applications are running, training jobs are progressing, and traffic is served across Kubernetes clusters is easier said than done.



[Tesla Optimus falls in Miami demo, hand movements sparks remote operation debate](#)

By Jijo Malayil , December 8, 2025

A new video from a Tesla demonstration in Miami shows the Optimus humanoid robot falling during its presentation. The footage highlights unusual hand movements made as it fell, which closely resemble the gestures of someone removing a VR headset.



[Nvidia Wins Trump's Approval to Sell H200 AI Chips in China](#)

By Maggie Eastland and Ian King, December 9, 2025

President Donald Trump granted Nvidia Corp. permission to ship its H200 artificial intelligence chip to China in exchange for a 25% surcharge, a move that lets the world's most valuable company potentially regain billions of dollars in lost business from a key global market.



[China debuts robot dog capable of mapping and navigating 10 million square feet](#)

By Jijo Malayil, December 7, 2025

Chinese robotics firm Pudu unveiled its latest creation, the D5, a nearly one-metre-tall (3.2 feet), four-legged robot, at Tokyo's International Robot Exhibition (iREX 2025). The quadruped captured attention as it gracefully descended a set of steps, lifted its right foreleg, seemingly acknowledging onlookers, then navigated an exhibition hall on wheels, avoiding obstacles, reports Chinese online media outlets.



News Articles



Source: The Economic Times, 9-12-2025
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Link: <https://drive.google.com/file/d/1zbviqFIIJvS4w2JDMSia26-4QMuHgZ5y/view>

Suzlon's long-term trajectory intact

MANUFACTURING CAPACITY SET FOR EXPANSION

SUZLON ENERGY'S SHARES have gained momentum this year on expectations of improving order visibility and operating leverage. The brokerage maintains a 'Buy' rating and a target price of ₹74 apiece. While recent pauses in renewable-energy auctions have clouded near-term sentiment, the company sees a durable multi-year cycle remains intact, underpinned by a deep domestic pipeline, rising export readiness and planned capacity additions that position the company to benefit from accelerating global and national demand for wind power.

The wind energy solution provider's emphasis on engineering, procurement and construction (EPC) is central to that strategy. By securing smaller, distributed land parcels across roughly 2.3GW of national wind sites, Suzlon aims to embed itself as a long-term development partner for large power producers. It plans to raise the EPC share of the business from about 20% today to 50% by 2028, betting that tighter control over project execution will enhance margins.

Suzlon is preparing to leverage India's ambitions to become a global wind-manufacturing hub. The company's current turbine platform—designed for 3MW and higher machines—is already 90 to 95% compatible with most international markets. The remaining customisation, largely related to country-specific grid codes and regulatory certification, can be completed within 12 to 18 months and does not require heavy capital investment.

The key takeaway is that Suzlon is steadily reinforcing its competitive position—in India and abroad—while capitalising on structural demand for round-the-clock renewable power.

More than 95% of Suzlon's turbines are delivering in line with original lifecycle assumptions, reinforcing confidence in long-term service revenues. The company sees a multi-decade opportunity as India's renewable-energy capacity rises from roughly 1.8GW today to a projected 1.6GW by 2047, driven by round-the-clock power needs and deeper electrification across industries.

At present, the company operates 4.5GW of annual production capacity,



STRONG WIND POWER



Source: Company, MOFSL

and its Puducherry facility alone can produce 2.8GW of wind-turbine generators and nacelle covers, though only about 30% of the site's land area is used today. The plant produces one turbine set per day and can scale up to three sets per day by moving to a three-shift schedule.

To meet rising domestic and export demand, Suzlon will add three new "smart-blade" factories from FY26 onwards. Two plants will be located in Gujarat and Karnataka and a third site will be finalised within the next several months. These facilities are intended to shorten delivery times, improve proximity to wind sites and cut logistics expenses, particularly for blades.

India could supply 10% of the world's wind-energy components by 2030, with the potential to double that share by 2035. For Suzlon, this opens a meaningful export channel

just as global wind installations are expected to expand 2.5 times over the next five years.

Domestic demand is also firming. India's power consumption is expected to grow around 5% annually, propelled by data centres, EV charging, green-hydrogen production and advanced manufacturing. With solar increasingly saturating daytime demand, wind is set to play a balancing role, providing evening and night-time generation.

The government's recent pause of renewable-energy auctions has left roughly 40GW of projects without power purchase agreements. Suzlon contends, however, that the effect on wind orders will be limited: about 15GW of wind projects remain active in bidding or award stages, and demand is rising from state utilities and commercial and industrial customers.

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Source: Financial Express Newspaper, 09-12-2025
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Link: <https://drive.google.com/file/d/19fZEwu4IWGubRol6Kc3MNz6reNiTpwj8/view>

Mid-career reboot: Reinventing leadership with executive PG programmes

SANGEETA SHAH BHARDWAJ

In today's rapidly evolving business landscape, mid-career professionals are increasingly seeking ways to stay relevant, agile, and future-ready. Executive Post Graduate (PG), which enrolls students with minimum 3 to 5 years of experience, are emerging as a powerful catalyst for this transformation, offering not just academic enrichment, but a complete leadership focus and reboot. These programmes blend strategic thinking, towards sustainable alternatives, digital fluency, and global perspectives, helping experienced professionals embrace adaptive, innovation-driven, cutting-edge technology-enabled leadership. As per the Future of Jobs Report 2025, 85 per cent of employers surveyed plan to prioritise upskilling their workforce, with 70 per cent of employers expecting to hire staff with new skills, 40 per cent planning to reduce staff as their skills become less relevant, and 50 per cent planning to transition staff from declining to growing roles.

Why the classic MBA no longer fits everyone

The well-known full-time MBAs, though, play a vital role, especially for early-career changers, for many aspirants who have missed that bus after 3-4 years of on-the-job experience, they get stuck at a level. It is at this time they need to reboot their career, which they can do by enrolling in full-time one-year Executive

Graduate Programmes or two year evening/weekend programmes. Unsurprisingly, applications to executive-format programmes, weekend modular and blended Post-Graduate (PG) diplomas and master's have surged.

Four ways Executive PG programmes are rewriting the leadership play-book

Dynamically adapting the curriculum to the requirements of the corporate. At present such programmes are integrating the 'triple lens' of globalisation, technology and sustainability. The curriculum and discussion addresses the impact of globalisation, technology and sustainability and the managers are as much concerned about the ethical dilemmas of using AI in decision making, addressing globalisation and sustainability issues as they are about the PwL. Optimisation and trade-off in decision making is the key to navigate in the complex and uncertain environment.

Flexibility, agility, and mobility

Ability to complete the course over period, opportunity to choose the electives/courses which are them with the most advanced learning concepts and hybrid delivery by the academic institutes, blending online with 121 learning experiences has emerged as the differentiating factor for the business schools.



Facilitating learning beyond ChatGPT's
The classroom delivery has to be ahead of the responses reproduced through the use of ChatGPT. The response to questions, case study discussions, or problem-solving approach requires integration

and a comprehensive response. The classroom discussions, reflections, and exploring the problem through AI-enabled tools and beyond need to be encouraged. The technology tools challenge the faculty members to blend the same in curriculum and further challenge the students in the

new norm when cognitive offloading to technology tools like ChatGPT has become common.

What to look for in an Executive PG partner

- Accreditation across borders (AACSB, EQUIS or AMBA)

- These global standards assure academic quality, ethical governance, and international employer recognition.

- Faculty who consult as much as they publish

- Look for scholar practitioners

who advise boards and startups alike. Their teaching is rooted in lived business realities.

- A cohort profile that mirrors the complexity of your stakeholder map

- Diversity of industry, function, and geography ensures the

learning doesn't echo your current echo chamber. Micro-certificates, live labs, and alumni networks are of great value to the students in addition to the classroom learnings.

THE WRITER IS DEAN, EGR, PGDMM ONLINE IN MANAGEMENT DEVELOPMENT INSTITUTE

Source: The Statesman Newspaper, 09-12-2025

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Link: <https://drive.google.com/file/d/1VeU01z6skmPL6D8tJN6hpLued8aln-d/view>



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