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US humanoid robots retire with scars after helping build 30,000 BMW cars

By Sujita Sinha, November 20, 2025

California-based Figure AI announced on Wednesday that it is officially retiring its Figure 02 (F.02) humanoid robots. The decision comes after an 11-month deployment at BMW Manufacturing's Spartanburg, South Carolina plant. The pilot project was part of a collaboration to test humanoid robots on a real assembly line.



Racing against the talent gap: Sustaining Africa's data center growth

By Staff Writer, November 20, 2025

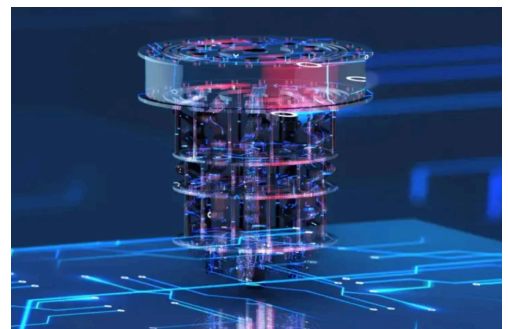
Africa's data center capacity has more than doubled over the last five years, and analysts predict that the industry will have more than 1,000 MW of installed IT load by 2030. With new facilities rushing to go online at an unprecedented rate, the meaning of "infrastructure" for African economies has changed because of the fintech revolution, e-commerce, and the rapid increase of cloud use



Researchers use symmetry to decode quantum noise behavior in next-gen processors

By Aamir Kholam November 20, 2025

Researchers at the Johns Hopkins Applied Physics Laboratory and Johns Hopkins University have reported a major advance in characterizing quantum noise, a barrier that continues to slow progress toward reliable quantum computers.



[LG ramps up a robotics stack aimed at the U.S. market](#)

By Lee Jae lim, November 21, 2025

LG Group — once defined globally by its consumer electronics, displays, components and batteries — is now leveraging those same core strengths to position itself as a major supplier in the fast-rising humanoid robotics industry, aiming for future supply deals in the United States.



[Rapid carbon-to-stone tech nears industry deployment after 2,500-hour operational run](#)

By Neetika Walter, November 19, 2025

Carbon can take centuries to turn into stone in nature, but a Netherlands-based carbon-mineralization startup says it can now do the same in hours, and at a scale that looks increasingly industrial. Paebbl has hit several engineering milestones that signal a shift from R&D into manufacturing readiness.



[Father-son duo 3D prints drone that hits 360 mph, sets new Guinness World Record](#)

By Sujita Sinha, November 20, 2025

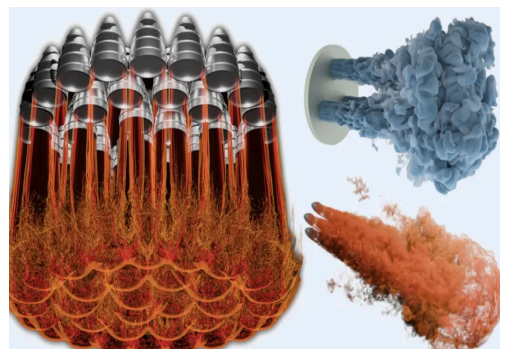
A new high-speed milestone for battery-powered quadcopters was confirmed on November 18, when YouTuber Luke Maximo Bell released a video announcing that the Peregreen 3 had set a record flight earlier in the year.



[World's fastest supercomputer runs record-breaking fluid simulation for rocket testing](#)

By Prabhat Ranjan Mishra, November 20, 2025

Researchers in the United States have used an exascale supercomputer to perform the largest fluid dynamics simulation ever. It surpassed one quadrillion degrees of freedom in a single computational fluid dynamics (CFD) problem. The team used Lawrence Livermore National Laboratory's (LLNL) exascale supercomputer El Capitan.



News Articles

Battleground of cybersecurity has shifted from firewalls to identities: KPMG partner

RITWIK MUKHERJEE
Kolkata, 19 November

In a world where every action - every payment, login, or click - creates a traceable digital imprint, cybersecurity has become a national imperative rather than a technical footnote. Few countries have witnessed a transformation as rapid and sweeping as India's: from the early days of internet banking to today's sprawling digital economy powered by Aadhaar, UPI, and cloud-driven enterprises. With this expansion has come a parallel evolution in the nation's understanding of cyber risk.

Speaking to The Statesman, Atul Gupta, Partner and Head, Digital Trust and Cyber, at KPMG, reflects on two decades of this shift. In the early 2000s, he explains, security incidents were simply IT glitches - never "cyber incidents." Banks and telecom players triggered the



first wave of modernization, but the focus remained on data centers and internal networks. "That defined the first decade," Gupta notes, "a time when organisations were just beginning to grasp that security could not be ignored." The 2010s marked a dramatic departure. Cloud computing, the rise of mobility, and deeper regulatory intervention - especially the RBI's mandate for banks to appoint CISOs - recast the entire conversation. Cybersecurity was no longer an appendix to IT; it was

embedded in business risk. Regulators stepped in firmly, audits became routine, and corporate India began reorganizing how it viewed digital threats. Then came the pandemic. The abrupt shift to remote work dissolved the traditional perimeter that had long protected corporate networks, leaving millions of devices exposed. "That was the tipping point," Gupta says. "Cybersecurity became an enterprise-wide priority." It also fueled the rise of red teaming, threat hunting, and structured crisis management - disciplines once confined to global corporations but now common across Indian enterprises. For Gupta, the heart of modern cybersecurity lies in identity. With organisations juggling employee identities, vendor access, customer authentication and now proliferating machine IDs driven by AI systems, access

control has become the critical line of defense. "Most breaches occur because identities are mismanaged," he emphasises. "Privilege today is the most valuable asset an attacker can capture."

The model, he adds, extends naturally to government. From Aadhaar to GST and NPCI, India's flagship digital systems are built on mature cybersecurity frameworks, supported by agencies like CERT-In and NCCC. "The government isn't just building a digital India," he says. "The mission now is to build a digitally secure India."

As India's digital expansion continues, one truth stands firm: the battleground of cybersecurity has shifted decisively from firewalls to identities. And in that battlefield, access - who holds it, who shouldn't, and how it is governed - will shape the nation's resilience for years to come.

Source: The Statesman, 20-11-2025

Page No 10

Link: https://drive.google.com/file/d/1OnJksGxqbqED8b6ll_pe3UG6yNkHysmU/view

Source: Financial Express 20-11-2025

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ATHARVA COLLEGE OF ENGINEERING, MALAD-MARVE ROAD, CHARKOP NAKA, MALAD (WEST), MUMBAI-400095



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