

NEWSLETTER

HI-TECH & INNOVATION

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Applications of high-tech innovation gain traction

China is expanding real-world testing grounds to accelerate high-tech adoption, with cities like Hefei opening diverse scenarios for autonomous vehicles, drones and eVTOLs. A new national guideline promotes large-scale scenario development across 22 fields. Provinces such as Guangdong, Beijing and Sichuan are advancing applications from smart cities to high-speed maglevs. **(China Daily)**

Path lights up for China's rare earth nanocrystals

Chinese and Singaporean researchers achieved efficient electroluminescence in insulating rare earth nanocrystals, enabling them to emit light under electrical power. A tailored molecular coating transfers energy into the core, producing tunable, pure colors. The breakthrough could expand uses in next-gen displays, sensing, healthcare and infrared technologies, strengthening prospects for higher-value rare earth innovation. **(China Daily)**

Optics Valley emerging as nation's high-tech hub

Optics Valley in Wuhan is emerging as a major high-tech hub, with humanoid robots, advanced chips and 6G technologies advancing at scale. The zone hosts over 70% of Hubei's humanoid-robot suppliers and more than 300 chip firms, with the chip cluster set to exceed 100 billion yuan (\$14.12 billion) in output this year. New facilities are also supporting China's next-stage 6G R&D and broader tech self-reliance goals. **(China Daily)**

China successfully debuts safety tech for lithium battery air cargo

China completed its first cargo flight using an AI-enabled active safety system for power lithium batteries, marking a breakthrough in reducing combustion risks in air transport. The SF Express flight departed from Ezhou Huahu Airport. China's lithium battery output reached 1.2 trillion yuan (about \$170 billion) in 2024, while related air cargo rose 21.26% to 645,000 tonnes, underscoring strong industry demand. **(People's Daily)**

China's space authority sets up new department to oversee commercial space sector

China has established a new department within the China National Space Administration (CNSA) to oversee its fast-growing commercial space sector. The move strengthens specialized regulation and supports safe, high-quality industrial development. China now has over 600 commercial space firms, and a new 2025–2027 action plan aims to integrate commercial space into national space strategy while promoting innovation and growth. **(Xinhua)**