

NEWSLETTER

HI-TECH & INNOVATION

6 – 12 October 2025



Foreign visitors snap up Chinese tech products

Foreign visitors are increasingly buying Chinese tech products such as DJI drones and Huawei devices, drawn by innovation, quality and value. At Beijing's APM Mall, overseas shoppers make up 30% of DJI store traffic. Policies like tax refunds via Alipay and visa-free entry for 76 countries have boosted inbound travel, with 13.64 million entering China visa-free in early 2025, up by 53.9% year-on-year. **(People's Daily)**

China develops fully superconducting magnet generating 351,000 gauss steady magnetic field

China's Institute of Plasma Physics developed a fully superconducting magnet producing a steady 351,000-gauss magnetic field for 30 minutes. Jointly created with Tsinghua University and other partners, it improves stability and efficiency under extreme conditions, enabling future commercialization in MRI equipment, fusion energy devices, aerospace propulsion, magnetic levitation and efficient power transmission. **(Guangming Daily)**

China solves solid–solid interface challenge in all-solid-state lithium batteries

Researchers from the Institute of Physics, Chinese Academy of Sciences (CAS), developed an anion-regulation technique forming a self-adaptive iodine-rich interface, ensuring tight electrode–electrolyte contact without external pressure. The breakthrough enables all-solid-state lithium batteries exceeding 500 watt-hours per kilogram (Wh/kg), advancing commercialization in electric vehicles and robotics. **(Science and Technology Daily)**

New technologies energize rural vitality across China

During the National Day holiday, advanced technologies revitalized China's countryside. In Jiangsu's Jiangxiang Village, solar panels and smart sensors optimized energy use. In Chengdu's Tianfu Agricultural Expo Park, 3D printing and AR revived straw art. In Gansu's Algeleitai Village, BeiDou satellite devices enabled digital herding. With 5G covering over 90% of villages, rural innovation is thriving. **(CCTV)**

Chinese scientists develop novel membrane for seawater desalination

Chinese researchers have designed an "hourglass-shaped" covalent organic framework membrane with high water flux and enhanced salt rejection. pH-responsive nanochannels enable fast water transport while blocking salts. The membrane is stable and chlorine resistant, with potential commercial use in seawater and brackish water desalination, high-salinity wastewater treatment, and smart industrial separation. **(Guangming Daily)**