

NEWSLETTER**HI-TECH & INNOVATION****29 December 2025 – 4 January 2026****Tech-driven mushroom farming boosts prosperity in east China county**

Qingyuan County in east China's Zhejiang Province is revitalizing its economy through technology-enabled shiitake mushroom farming. Smart drying systems, AI sorting and industrial parks are cutting emissions and raising efficiency. The sector supports over 40,000 people and generates annual output exceeding 400 million yuan (about 56.7 million U.S. dollars). ([Xinhua](#))

Advanced technology making roads safer in Taixing

Taixing city in east China's Jiangsu Province is using three-dimensional geological radar to inspect urban roads and prevent collapses. Radar vehicles scan underground structures to detect cavities and defects invisible to the naked eye. So far, 18 kilometers of roads have been examined, providing scientific support for maintenance and improving travel safety. ([China Daily](#))

China's robot rental orders surge at year-end

China's robot rental market is surging as year-end corporate events drive demand for humanoid robots and robotic dogs. Rental prices dropped from over 10,000 yuan/day to as low as 200 yuan (\$28.5). Industry insiders expect market size to exceed 1 billion yuan (\$142.7 million) in 2025 and potentially reach 10 billion yuan (\$1.43 billion) next year. Platform-based operations are accelerating commercialization and enterprise adoption. ([Global Times](#))

Drones deployed to ensure high-rise safety in Jiangsu

Taixing in East China's Jiangsu province uses drones with thermal imaging to inspect 330 high-rise residential buildings over ten years old. The UAVs detect hollowing, cracks, and unstable fixtures without blind spots. This method improves safety, reduces high-altitude risks, and lowers costs, providing accurate data for maintenance planning and enabling full closed-loop management from inspection to acceptance. ([China Daily](#))

China sets world record with superconducting maglev propulsion

The superconducting maglev team at the National University of Defense Technology accelerated a ton-level test vehicle to 700 km/h in two seconds, setting a global record. The breakthrough enables applications in ultra-high-speed vacuum-tube transport, aerospace launch assistance, and advanced testing, while future iterations are expected to drive new development in China's aviation, space, and rail sectors. ([CCTV](#))