

## NEWSLETTER

### HI-TECH & INNOVATION

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#### **China's brain-computer interface development shifts into high gear**

China's brain-computer interface (BCI) development is accelerating, highlighted at the 2026 Zhongguancun Forum. Domestic systems "Beinao-1" and "Beinao-2" drew attention, with "Beinao-1" already implanted in seven patients who regained motor and speech functions. China has launched supportive policies, approved the world's first invasive BCI device, and expanded clinical applications nationwide. **(Xinhua)**

#### **Shanghai unveils plans to develop complete embodied intelligence ecosystem**

Shanghai launches a complete embodied intelligence ecosystem, integrating domestic chips, algorithms, systems, and AI platforms. The plan targets 50 partners, five national standards, and five scalable application scenarios, including a research institute and global co-development initiative, boosting humanoid robot industrialization and China's AI competitiveness. **(China Daily)**

#### **China harnesses technological innovations to power clean energy transition**

China is accelerating its clean energy transition through technological innovations, including a compressed-air storage plant in Shandong with 460 million kWh annual output and the world's largest 26-MW offshore wind turbine producing 100 million kWh yearly. Renewable installations now exceed half of national capacity, while clean-energy-powered data centers and overseas cooperation support carbon-reduction goals. **(Xinhua)**

#### **Chinese researchers unveil catalyst to cut energy use, boost light olefins production efficiency**

Chinese researchers developed a catalytic system that efficiently converts syngas (synthesis gas) into light olefins under mild conditions. Conducted at DICP (Dalian Institute of Chemical Physics), CAS (Chinese Academy of Sciences), the system achieves about 80% CO (carbon monoxide) conversion, 60% light-olefins selectivity, and over 80% total olefins selectivity, offering a low-energy, cleaner Fischer-Tropsch process. **(Xinhua)**

#### **Robot 'interns' hit the factory floor in South China's Guangxi**

Industrial humanoid robots have begun "interning" in a factory in Liuzhou, Guangxi Zhuang Autonomous Region, training in real production environments to handle materials, sort parts, and collect containers. The UBTech Walker S1 robots use visual recognition to adapt to complex conditions, preparing for human-machine collaboration that aims to improve efficiency, reduce costs, and take on high-risk manufacturing tasks. **(People's Daily Online)**