

NEWSLETTER
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China Releases Strict Emission Standards For Non-Road Mobile Machinery

China has issued stringent new pollutant emission standards for diesel-powered non-road mobile machinery, including excavators, forklifts, and agricultural equipment. The regulation mandates the adoption of advanced exhaust after-treatment technologies to drastically cut nitrogen oxides and particulate matter. Manufacturers are required to upgrade engine designs and secure type approvals before the compliance deadline next year. **(Ministry of Ecology and Environment)**

China Commissions Largest Offshore Wind-Storage Integrated Demonstration Project

A massive offshore wind farm combined with a grid-scale battery storage system has been successfully connected to the grid in the East China Sea. The facility utilizes floating turbine platforms paired with high-capacity lithium iron phosphate batteries to mitigate intermittency issues. This integration allows for stable, round-the-clock power supply to coastal industrial users despite fluctuating wind conditions. **(National Energy Administration)**

China Pilots Mandatory Green Electricity Certificates For Data Center Operators

Regulators have launched a pilot program requiring large data center operators in key hubs to procure a minimum percentage of their power consumption from renewable sources via green electricity certificates. The policy aims to decarbonize the rapidly expanding digital infrastructure sector, which currently relies heavily on coal-fired power. Operators are encouraged to sign long-term power purchase agreements directly with wind and solar farms. **(National Energy Administration)**

China Advances Desert Solar PV Base Construction In Northwest Region

Construction has commenced on another gigawatt-scale solar photovoltaic base within the Kubuqi Desert, featuring sand control and photovoltaic power generation integration. The project utilizes specialized mounting structures designed to withstand shifting dunes while supporting local vegetation restoration efforts underneath the panels. **(National Energy Administration)**

China Introduces Extended Producer Responsibility For Retired EV Batteries

China has rolled out detailed regulations strengthening the extended producer responsibility framework for electric vehicle battery manufacturers. Companies must now establish traceable recycling networks and meet specific recovery rates for critical metals like lithium, cobalt, and nickel. The rules incentivize the development of efficient hydrometallurgical recycling processes to reclaim valuable materials from spent batteries. **(Ministry of Industry and Information Technology)**