

NEWSLETTER

ENERGY & ENVIRONMENT

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China Achieves Breakthrough In Hydrogen-Coal Co-Firing Technology

China Energy Group has validated a self-developed hydrogen-coal mixed low-nitrogen burner enabling up to 50% green hydrogen blending by heat value. The platform realizes 100% pure hydrogen combustion with comprehensive safety controls from transport to furnace operation. Using green hydrogen can cut coal consumption and carbon emissions by up to 50% while curbing NOx generation effectively. **(National Energy Administration)**

China Steps Up Fish Restoration In Upper Yangtze Hydropower Basins

Hydropower operators in the upper Yangtze have expanded fish conservation through breeding, releasing over 30 million marked fry and building fishways reconnecting 200 km of river. The Yalong River company mastered full-cycle breeding for 11 native species and installed traceable otolith and fluorescent markers for impact assessment. **(Ministry of Water Resources)**

China Releases 2025 Ecological Environment Bulletin Highlighting Steady Improvements

China has published the 2025 China Ecological Environment Status Bulletin detailing nationwide air, water, soil, and biodiversity indicators. Key national metrics show continued declines in major pollutants, better surface-water grades, and stabilized ecosystem service functions across critical zones. The report attributes progress to tightened inspections, green industrial upgrades, and large-scale ecological restoration. **(Ministry of Ecology and Environment)**

China Publishes Top Ten Ecological Science-Tech Advances For 2025

The China Association for Science and Technology's ecological consortium has announced the 2025 Top Ten Advances, including resilient global renewables-grid strategies and urban sewage deep denitrification via partial denitrification-anammox. Beijing-based institutes contributed breakthroughs like drone-based grassland biodiversity monitoring and short-range denitrification cutting aeration energy over 30%. **(China Association for Science and Technology)**

China Launches Joint Hydropower Fish Stocking Action For Eco-Protection

The China Society for Hydropower Engineering and Hydropower Planning Institute convened a national meeting launching synchronized fish-release actions at multiple basin sites. The event released the 2025 Hydropower Eco-Protection Development Report noting full-lifecycle eco-controls and advances in fishways, stratified intakes, and native-species breeding. **(National Energy Administration)**