

EU's Strategic State Aid Framework: Powering the Clean Industrial Deal with Sustainability

March 12, 2025

Synopsis: The European Commission has initiated a consultation on the draft State Aid Framework (CISAF) to accelerate the Clean Industrial Deal. The framework supports critical projects in renewable energy, industrial decarbonization, and clean technologies, while ensuring EU competitiveness. Open for public consultation until 25 April 2025, the framework is set to be adopted in June 2025, facilitating sustainable investments across Europe through simplified State aid procedures.

Clean Industrial Deal: Europe's Blueprint for a Green Future Faces Critical Scrutiny

March 12, 2025

Synopsis: The European Commission's Clean Industrial Deal (CID) aims to overhaul Europe's industrial landscape by promoting decarbonization, clean energy adoption, and enhanced competitiveness. However, European industrial sectors, particularly steel, have expressed concerns over the vagueness of the plan, urging for more concrete actions, especially on energy prices and trade protections.

Port Talbot's Green Steel Revolution: Contractors Prepare for £1.25 Billion Transformation

March 12, 2025

Synopsis: Port Talbot, the heart of the UK's steel industry, is undergoing a groundbreaking transformation with a £1.25 billion investment aimed at creating a green, low-carbon steel production system. Hosted by Sir Robert McAlpine, the Contractor Engagement Day brought together local suppliers to discuss the large-scale changes ahead. This ambitious project promises to reshape the future of steelmaking, addressing both environmental concerns and global demand for sustainable steel.

Offshore Wind Power Boosted by Dillinger's Revolutionary Steel for Monopiles

March 12, 2025

Synopsis: Dillinger, a leading steel specialist, has developed innovative steel types for offshore wind turbine monopiles. Collaborating with top research institutions, they've created materials resistant to storms, waves, and saltwater, perfect for demanding offshore conditions. These new steels, ideal for high-energy welding, significantly reduce production times and are crucial for the future of renewable energy infrastructure.

Diler Demir Çelik's Solar Power Project in Turkey: A Leap Toward Sustainable Steel Production

March 12, 2025

Synopsis: Turkey's steel giant, Diler Demir Çelik, has announced the completion of the Environmental Impact Assessment (EIA) process for its solar power plant project in Sarayönü, Konya. The plant, costing TRY 1.39 billion (\$38.0 million), will have a capacity of 85 MWe, generating approximately 182.89 million kWh of energy annually. The project is expected to significantly contribute to sustainable energy and help reduce the environmental footprint of steel production.

Pioneering Industrial Decarbonization: Carbon2Chem® Secures €50 Million for Sustainable Steel Transformation

March 12, 2025

Synopsis: Carbon2Chem®, a groundbreaking project led by thyssenkrupp, has been awarded a €50 million grant to continue its research into converting steel production gases into valuable chemical products. This project, focused on reducing CO₂ emissions from industrial processes, aims to drive green transformation in the steel and chemical sectors, helping accelerate global climate goals.

Breaking the EV Barrier: POSCO Future M's Cutting-Edge Cathode & Anode Material Innovations for the Future of Electric Vehicles

March 12, 2025

Synopsis: POSCO Future M is at the forefront of revolutionizing the electric vehicle (EV) industry with groundbreaking advances in cathode and anode materials. At the InterBattery 2025 exhibition, POSCO showcased its roadmap of innovative technologies designed to overcome the challenges posed by the "chasm"—a gap in electric vehicle performance. These new materials promise to deliver longer driving ranges, faster charging speeds, and more cost-effective solutions, setting the stage for the widespread adoption of electric vehicles. Key innovations include Ultra Hi-Ni cathodes, silicon-carbon anodes, and next-generation solid electrolytes, all of which will make electric vehicles more efficient and affordable.