Local Collaborations Fuel £1.25 Billion Green Steel Investment at Port Talbot

March 26, 2025

Synopsis: Tata Steel is collaborating with local South Wales companies to support its £1.25 billion investment in low CO_2 steelmaking at its Port Talbot site. This project will bring over 300 skilled jobs to the area, boosting the local economy and supporting the transition to greener steel production. By working with firms like Darlow Lloyd & Sons, Wernick Buildings, and Andrew Scott Ltd, Tata Steel aims to drive forward its sustainability agenda, reduce carbon emissions, and transform steelmaking practices.

JSW Green Steel to Acquire Salav Unit in Strategic Move Towards Green Steel Production

March 26, 2025

Synopsis: JSW Green Steel Limited, a wholly owned subsidiary of the company, has been approved to acquire the Salav unit in Maharashtra, which houses a Direct Reduced Iron (DRI) capacity of 0.9 MTPA, on a slump sale basis. The acquisition, valued at ₹2,233 crores, is part of the company's larger plan to reduce its carbon footprint and transition towards producing green steel. The deal is expected to be completed by 31st March 2025.

Pacific Steel Group's Mojave Micro Mill to Revolutionize California's Rebar Market

March 26, 2025

Synopsis: Pacific Steel Group has announced the groundbreaking of its Mojave Micro Mill in California, a transformative project set to reshape the state's rebar production industry. With an annual capacity of 380,000 metric tons for #3 to #11 concrete rebar, the mill will integrate renewable energy and advanced carbon capture technologies to minimize its environmental impact. Expected to begin operations in 2027, the Mojave Micro Mill will make use of Danieli MIDA Hybrid technology, marking California's first new steelmaking operation in 50 years.

Marc Ferracci Explores Strategic Transformation at Fos-sur-Mer with Marcegaglia's 750 Million Euro Investment

March 26, 2025

Synopsis: On March 24, 2025, French Minister for Industry and Energy, Marc Ferracci, visited the Fos-sur-Mer plant, where Marcegaglia Group is investing 750 million euros in a significant revitalization project. This transformation aims to modernize the facility, create 380 new jobs, and reduce CO_2 emissions through electrification and cutting-edge technologies. The visit underscored the strategic importance of this site to the Group's global operations and sustainability efforts.

Thyssenkrupp Steel Unveils CO_2-Reduced Powercore® Traction NGO 025-125Y420 at Coiltech 2025

March 26, 2025

Synopsis: Thyssenkrupp Steel, in collaboration with RWTH Aachen University, presents its CO_2-reduced bluemint® high-performance electrical steel, powercore® traction NGO 025-125Y420, at Coiltech 2025. This innovative material features low remagnetization loss and high mechanical strength, making it ideal for use in modern traction motors for electric vehicles. The new grade, with a 13% lower CO_2 footprint, sets a new standard for sustainable electromobility and is now ready for high-volume series production.

Electrolux Sets Bold Recycled Steel & Plastic Use Targets to Enhance Sustainability by 2030

March 26, 2025

Synopsis: Swedish home appliance giant Electrolux has announced a significant commitment to sustainability by targeting a 35% use of recycled steel and plastic in its product manufacturing by 2030. This target, which introduces steel into the scope for the first time, nearly doubles the amount of recycled materials compared to its previous goal. The move is part of a broader effort to make Electrolux's supply chain more sustainable, contributing to a greener future for its products and operations.

Digital Revolution in Steel Recycling: Laser & AI Transforming Sustainability

March 26, 2025

Synopsis: Tata Steel Nederland, in collaboration with leading steel producers in Germany and Austria, is pioneering a revolutionary project aimed at making steel production more sustainable and energy-efficient. By integrating cutting-edge technologies such as laser analysis, artificial intelligence (AI), and digital twins, the companies are reimagining the steel recycling process to reduce waste, CO_2 emissions, and energy consumption. The project, named the 'Digital Twins for Green Steel' (DiGreeS) program, could drastically change the way steel is produced by 2030, contributing to a circular economy and driving the industry towards greater environmental responsibility.

Charter Steel Pioneers Sustainability with Wisconsin's Largest Behind-the-Meter Solar Initiative

March 26, 2025

Synopsis: Charter Steel, Wisconsin's largest industrial energy consumer, has launched the state's largest behind-the-meter solar installation, a bold move toward sustainability. This 19.5-megawatt solar project, developed in collaboration with SunVest Solar, is set to produce around 30,000 megawatt-hours of electricity annually,

fulfilling more than 20% of the plant's energy needs. This step represents a significant shift for the steel industry, one of the most energy-intensive sectors, by embracing renewable energy and reducing reliance on fossil fuels.

Beltrame Group Harnesses Hydroelectric and Photovoltaic Energy to Cut Costs & Lead Sustainable Steel Production

March 26, 2025

Synopsis: The AFV Beltrame Group, one of Europe's leading steel manufacturers, is addressing high energy costs by investing in renewable energy sources. Through acquisitions of hydroelectric power plants, installations of photovoltaic systems, and the signing of Power Purchase Agreements (PPAs), the company is reducing energy costs while striving for environmental sustainability in its steel production process.