

Green Steel: Paving the Path to a Climate-Neutral Future for the Steel Industry

March 22, 2025

Synopsis: The steel industry is a major contributor to global CO2 emissions due to its reliance on coal in traditional production methods. The transition to green steel, produced using green hydrogen, promises to reduce CO2 emissions drastically. Leading companies such as Thyssenkrupp Steel and Arcelormittal are pioneering this shift, aiming to decarbonize steel production by 2045. With the support of governments and the increasing need for clean energy solutions, green steel is set to play a crucial role in achieving global climate goals.

Salzgitter AG's Bold Green Transformation: Shaping a Sustainable Steel Future

March 22, 2025

Synopsis: Salzgitter AG is tackling economic challenges head-on through its transformative efforts, with a strong focus on green steel production. Central to this strategy is the SALCOS® program, which aims for carbon-neutral steel production by 2050. With substantial investments in green steel technologies, the company is positioned to lead the green revolution in the steel industry, balancing strong financial strategies with sustainability initiatives.

Thyssenkrupp Halts €3bn Green Steel Hydrogen Tender Amid Surging Prices & Strategic Negotiations

March 22, 2025

Synopsis: Thyssenkrupp, a German steel manufacturing leader, has suspended its €3bn hydrogen tender for its green steel project due to significantly higher-than-expected prices for hydrogen. As the company works on constructing a direct-reduced iron (DRI) plant, it seeks to renegotiate the terms of its €2bn government funding in talks with the German federal government and the European Commission. This move highlights the growing challenges of securing affordable hydrogen for steel production.

AZA Unveils Chile's Most Modern Scrap Shredding Plant with \$26 Million Investment

March 22, 2025

Synopsis: AZA, a leading Chilean company, has inaugurated the country's most advanced scrap shredding plant with a significant \$26 million investment. This new plant will not only create new jobs but also contribute to reducing CO2 emissions and energy consumption, marking a major step towards sustainability in the country's industrial sector.

CBM Calls for Harmonized UK Steel Policy Amid US Tariff Struggles & Domestic Supply Concerns

March 22, 2025

Synopsis: The Confederation of British Metalforming (CBM) has voiced concerns over the impact of US tariffs on British steel exports and the challenges faced by the UK's downstream manufacturers. While supporting the transition to greener steelmaking, the CBM urges a balanced approach to UK steel policies to ensure manufacturers can access affordable, high-quality steel while maintaining competitiveness on the global stage.

TNO's Pioneering Biorefinery Technology Propels the Biobased Economy into the Future

March 22, 2025

Synopsis: TNO's innovative Fabiola biorefinery technology is driving Europe's transition towards a biobased economy by efficiently converting biomass into valuable green building blocks like lignin, cellulose, and sugars. The technology's demonstration scale, which processes 1 million kilograms (1,000 metric tons) of biomass annually, will showcase its commercial viability and pave the way for large-scale biorefineries. This development aligns with Europe's sustainability goals, fostering self-sufficiency, energy efficiency, and reduced reliance on fossil fuels.