

Decarbonizing India's Steel Industry: The Green Steel Revolution & the Path Forward

March 11, 2025

Synopsis: The Green Steel Revolution Seminar brought together leaders from India's top steel producers to discuss the challenges and opportunities in decarbonizing the steel industry. They highlighted the technological hurdles, the cost implications of green steel, and the urgent need for skilled project management to navigate the complexities of scaling up both production capacity and sustainability goals.

Jon Stewart Appointed CEO of Binding Solutions to Accelerate Green Steel Technology

March 11, 2025

Synopsis: Binding Solutions Limited, a pioneer in green steel technology, has appointed Jon Stewart as its new Chief Executive Officer. With over 30 years of experience in leading international steel technology businesses, Stewart's appointment signals a new chapter for BSL, focusing on scaling their cold agglomeration technology to revolutionize steel production by reducing emissions and energy use.

Norway Prepares for Carbon Border Adjustment Mechanism Implementation in 2027

March 11, 2025

Synopsis: Norway is set to implement the Carbon Border Adjustment Mechanism by 2027, aiming to create fair pricing for greenhouse gas emissions and protect national industries. The initiative will level the playing field by imposing carbon taxes on imports from countries with less stringent environmental standards, helping reduce carbon leakage and maintain Norway's competitiveness.

Nuclear-Powered Green Steel: Danieli & newcleo's Partnership to Decarbonize Steelmaking with Advanced Nuclear Technology

March 11, 2025

Synopsis: Danieli & C. Officine Meccaniche S.p.A., a global leader in steelmaking technologies, has joined forces with newcleo SA, a cutting-edge nuclear energy company, to explore the integration of Lead-cooled Fast Reactors with steel production. The goal is to combine nuclear energy with green steelmaking to produce affordable, abundant, and clean energy, paving the way for a sustainable, low-carbon steel industry. This partnership highlights a major step towards decarbonizing steel manufacturing in Europe and beyond.

Transforming Steelmaking: Elcogen's Horizon Europe SYRIUS Project Ushers in Hydrogen-Powered Industrial Revolution

March 11, 2025

Synopsis: Elcogen announces the launch of the Horizon Europe SYRIUS project, aiming to revolutionize the steel industry by integrating green hydrogen production and circular energy practices. The €10 million initiative will use cutting-edge Solid Oxide Electrolyser Cell technology to reduce carbon emissions and promote sustainable steel manufacturing.

H2Gen Breakthrough: Revolutionizing Hydrogen Production & Decarbonizing Heavy Industry

March 11, 2025

Synopsis: Utility's H2Gen system offers an innovative and practical solution for producing clean hydrogen directly from water using industrial off-gases like blast furnace gas. This breakthrough technology eliminates the need for electrical inputs, integrates seamlessly into existing infrastructure, and offers a scalable, cost-effective solution for decarbonizing some of the world's most energy-intensive industries, such as steel manufacturing, refining, and chemicals. H2Gen has already proven its capabilities in real-world applications, demonstrating impressive flexibility, reliability, and economic viability for the energy transition.

Pioneering Sustainability: SSAB & Putzmeister Join Forces for Fossil-Free Steel in Concrete Equipment

March 11, 2025

Synopsis: In an ambitious step toward sustainable construction, SSAB and Putzmeister have signed a historic partnership to integrate fossil-free steel into the production of concrete pump trucks and concrete mixers. This collaboration is set to significantly reduce the carbon emissions associated with the manufacturing of heavy construction machinery, marking a crucial shift in the industry toward greener solutions. The project uses SSAB's cutting-edge HYBRIT® technology, which replaces traditional steel production methods with a process that eliminates carbon emissions.

ArcelorMittal Partners with IDSL to Supply Sustainable Steel for UK Air Conditioning Projects

March 11, 2025

Synopsis: ArcelorMittal Steel Service Centres Europe has partnered with UK-based Imperial Ductwork Services Ltd to provide hot-dip galvanized steel for the production of ductwork at IDSL's Dartford factory. The steel supplied is made from ArcelorMittal's XCarb® recycled and renewably produced steel, which significantly reduces carbon

emissions by 65%. This collaboration supports IDSL's commitment to decarbonization and sustainability in their ongoing and future projects across the UK.

Pioneering Partnership: ArcelorMittal & PANO® Drive Decarbonization in Packaging Industry

March 11, 2025

Synopsis: PANO®, a leader in PVC-free closures for glass food containers, and steel manufacturer ArcelorMittal have collaborated to develop a groundbreaking solution for reducing CO₂ emissions in the packaging industry. Using ArcelorMittal's XCarb® steel certificates, the companies have created the BLUESEAL® closure, a product that fulfills environmental and consumer safety standards. This partnership highlights the importance of direct carbon savings through investments in decarbonization, aiming for a sustainable transformation in the packaging sector.

Steel Reforged: UK Steelmakers' Union Urges Urgent Action to Secure a Competitive Future

March 11, 2025

Synopsis: The Steelmakers' Union, Community, has launched an urgent report, "Steel Reforged," calling for the UK Government to take swift and decisive actions to ensure the long-term survival and competitiveness of the country's steel industry. The report outlines several key recommendations, including investment in Direct Reduced Iron technology, new steel plate mills, and policies to encourage the use of UK-made steel for crucial infrastructure projects. These actions are critical to counter rising competition, high energy costs, and the influx of cheap, carbon-intensive imports.

Nippon Steel Advances Sustainability with SuMPO EPD Certifications for Pipes & Tubes

March 11, 2025

Synopsis: Nippon Steel Corporation has obtained five new SuMPO EPD certifications for its steel pipes and tubes used in the chemical industry and boilers. These certifications, awarded by the Sustainable Management Promotion Organization, highlight the company's commitment to carbon neutrality and support the growing demand for decarbonization in industries such as petroleum refining, petrochemicals, and nuclear power.

FuelCell Energy & MHB Join Forces to Pioneer Green Hydrogen Solutions Across Asia

March 11, 2025

Synopsis: FuelCell Energy and Malaysia Marine and Heavy Engineering Holdings have entered into a joint development agreement to create large-scale hydrogen production systems. The collaboration aims to use solid oxide electrolyser technology to produce green hydrogen in Asia, New Zealand, and Australia, marking a significant step toward reducing hydrogen production costs and promoting green energy initiatives.