EU's Steel Decarbonization Vision: €1 Billion Investment to Revitalize the Industry's Future

March 21, 2025

Synopsis: On March 19, 2025, the European Commission revealed its Steel and Metals Action Plan, committing €1 billion for 2025 to decarbonize Europe's steel industry. This action plan aims to enhance the EU's steel sector's sustainability, ensuring it stays globally competitive and contributes to climate goals. The initiative covers decarbonization, energy transition, trade protection, circular economy, and carbon leakage prevention.

SteelZero Joins Forces with Civil Society to Forge EU's Path Towards Green Steel Transition

March 21, 2025

Synopsis: SteelZero, together with 27 other civil society organizations, has called on the European Union to take decisive action towards green steel by committing to a clear and strategic path for decarbonizing steel production. The recent report "The State of the European Steel Transition" outlines the importance of reducing emissions in the steel sector, which accounts for 5% of the EU's total emissions. The report provides a roadmap with key recommendations for the EU to meet its climate goals and ensure long-term industrial competitiveness.

EU's Steel and Metals Action Plan: Paving the Path for Green Steel, But Urgent Action Needed

March 21, 2025

Synopsis: The European Union's Steel and Metals Action Plan marks a significant step toward a green steel transition, aiming to ensure the sector's competitiveness while aligning with climate goals. While the focus on energy costs, trade fairness, and market leadership is positive, experts like Jen Carson from the Climate Group urge for bolder actions. They emphasize the need for clear policy frameworks, stronger demand signals, and clear timelines for phasing out fossil fuel-based steel to scale low-emission steel effectively and achieve a sustainable future for the steel industry.

Unveiling Europe's Green Steel Future: Strategic Decarbonization for Global Competitiveness

March 21, 2025

Synopsis: The European Steel and Metals Action Plan presents a roadmap for revitalizing Europe's steel sector, with decarbonization at its heart. With global competition rising, particularly from China and the U.S., the S&D Group urges EU policymakers to prioritize renewable energy, green steel technologies, and public procurement incentives to

maintain Europe's leadership in the global steel market. This detailed plan addresses urgent challenges, including plant closures, energy costs, and fair global trade practices, while emphasizing the need for a coordinated transition to green steel production.

Forging Steel's Future: Energy Costs, Trade Protection, & Transformation at ArcelorMittal Eisenhüttenstadt

March 21, 2025

Synopsis: Brandenburg's Economic Minister Daniel Keller visited ArcelorMittal Eisenhüttenstadt to address the critical challenges facing the German steel industry, focusing on the impact of rising energy costs, global competition, and the urgent need for government support. The meeting highlighted trade protection measures and the importance of a smooth transformation to a decarbonized steel production model, aiming to secure long-term competitiveness and sustainability.

The European Steel Action Plan: A Strategic Blueprint for Future Competitiveness & Sustainability

March 21, 2025

Synopsis: On March 20, 2025, Stéphane Séjourné, Executive Vice-President of the European Commission, presented the European Steel Action Plan at thyssenkrupp Steel in Duisburg, Germany. This action plan aims to revitalize Europe's steel industry by addressing several challenges such as trade protection, carbon leakage, high energy costs, and the need for green raw materials. The plan highlights the importance of swift and consistent implementation of these measures to enhance the competitiveness and sustainability of European steel production.

German Steelmakers Weigh Bureaucratic Burdens Amid Green Transition Challenges

March 21, 2025

Synopsis: German steelmakers are facing increasing frustration over bureaucratic hurdles in documenting emissions reductions and the rapid transition to green hydrogen. At a recent conference, industry leaders raised concerns about the extra burden of Environmental, Social, and Governance reporting, particularly for medium-sized companies. As the shift toward cleaner production methods continues, these challenges threaten to delay progress in achieving green steel goals, with concerns about the practicality of green hydrogen and carbon capture technologies in the short term.

HBIS Joins Worldsteel's Updated Sustainability Charter: Paving the Way for a Greener Future

March 21, 2025

Synopsis: HBIS has become a member of the Worldsteel Updated Sustainability Charter after passing a rigorous standard review. The updated charter includes 9 principles and 20 criteria aimed at fostering sustainability in the steel industry. HBIS's commitment to low-carbon development aligns with its mission to contribute to China's carbon peaking and neutrality goals, shaping a more sustainable future for the industry. Other notable companies in this prestigious group include ArcelorMittal, Nippon Steel, and POSCO, marking a collective industry effort to move toward more sustainable practices.

John Cockerill Joins Forces with IIT Bombay to Pioneering Decarbonization, Green Hydrogen, & Defense Innovations

March 21, 2025

Synopsis: John Cockerill, a global leader in engineering, has signed a transformative MoU with the Indian Institute of Technology Bombay. The collaboration will focus on advancing technologies for steel decarbonization, green hydrogen, and defense product development, driving sustainability, energy transition, and security innovations for both India and the global market.

Strategic Synergy for Sustainability: HBIS & Vale's Bold Move Toward Steel Decarbonization

March 21, 2025

Synopsis: China's HBIS Group and iron ore giant Vale have signed a significant memorandum of understanding aimed at advancing decarbonization in the steel industry. Their collaboration seeks to identify low-carbon transition solutions, explore the feasibility of innovative technologies like the Tecnored furnace, and achieve carbon neutrality by 2050. The partnership also emphasizes breakthrough technologies such as hydrogen metallurgy and carbon capture, utilization, and storage, which could reshape the steel sector's environmental impact.

Tata Steel Embraces Green Energy: Transition to Piped Natural Gas for Sustainability

March 21, 2025

Synopsis: Tata Steel has taken a significant step towards reducing its carbon footprint by replacing furnace oil with Piped Natural Gas at its Ferro Alloys Plant in Jajpur, Odisha. This change, made possible through a partnership with Bharat Petroleum Corporation Limited, marks a crucial move towards more sustainable operations, helping to lower greenhouse gas emissions and contribute to India's greener industrial future.

Steel Corrosion's Hidden Toll: How It Drives Maritime Emissions & Undermines Decarbonization Efforts

March 21, 2025

Synopsis: Steel corrosion is contributing more to global CO_2 emissions than the entire aviation industry, particularly in the maritime sector. With the shipping industry consuming vast amounts of steel, premature corrosion and the need for constant steel renewal are driving up carbon emissions. Effective corrosion protection can not only save costs but drastically reduce emissions, advancing decarbonization goals and improving sustainability.

Harnessing PSA Technology for Maritime Decarbonization: DNV, HD KSOE, & HD Hydrogen's Revolutionary Collaboration

March 21, 2025

Synopsis: In an effort to reduce carbon emissions in the shipping industry, DNV, HD Korea Shipbuilding and Offshore Engineering, and HD Hydrogen have joined forces on a groundbreaking Joint Industry Project to develop and implement Pressure Swing Adsorption carbon capture technology in Solid Oxide Fuel Cells. This collaboration aims to replace conventional ship engines with SOFC systems, significantly lowering the environmental footprint of maritime operations