EU Endorses €5 Billion German Scheme to Support Industrial Decarbonisation Efforts

March 27, 2025

Synopsis: The European Commission has officially approved a €5 billion state aid scheme designed to help Germany's industries, especially those under the EU Emission Trading Scheme, transition to greener production methods. By focusing on low-carbon technologies such as hydrogen, electrification, and carbon capture, the scheme aims to reduce emissions across key industrial sectors, contributing to both Germany's and the EU's climate goals. The scheme will select projects through an open bidding process, rewarding those with the most effective CO_2 reduction strategies.

China Expands Carbon Trading Market to Steel, Cement & Aluminum Sectors to Combat Emissions

March 27, 2025

Synopsis: China is expanding its carbon trading market to include the steel, cement, and aluminum smelting industries. This expansion is the first since the market's launch in 2021 and aims to reduce emissions in key industrial sectors responsible for significant carbon dioxide output.

Jingye Group Rejects £500M Government Aid Offer: Uncertainty Looms Over British Steel's Future

March 27, 2025

Synopsis: Jingye Group, the Chinese owner of British Steel, has turned down a £500 million government aid package aimed at supporting the company's transition to greener steel production. This decision raises serious concerns over the future of British Steel, including thousands of jobs and the stability of the UK steel industry as a whole.

GravitHy Secures €60M Investment to Revolutionize Green Steel with Low-Carbon Iron Production in Europe

March 27, 2025

Synopsis: GravitHy, a sustainable iron company based in Marseille, has successfully completed a €60 million funding round to accelerate its low-carbon iron production technologies, aiming to decarbonize the steel industry. With backing from prestigious investors, the company plans to create a green steel ecosystem by introducing Direct Reduced Iron and Hot Briquetted Iron as globally traded commodities. The new funding will support technological advancements, production facilities, and job creation, paving the way for a more sustainable and independent European steel industry.

HyIron Reaches Groundbreaking Milestone with First Green Hydrogen Production in Namibia

March 27, 2025

Synopsis: HyIron, a Germany-backed green iron manufacturer, has successfully produced its first batch of green hydrogen at its Oshivela project in Namibia. This milestone marks a significant step toward Namibia becoming a global hub for green hydrogen production, with the project leveraging solar power and cutting-edge electrolyser technology to drive sustainable iron production.

Metinvest's Cutting-Edge Italian Green Steel Plant to Revolutionize EU Steelmaking

March 27, 2025

Synopsis: Metinvest, a leading Ukrainian steel producer, is set to build the most modern green steel production plant in Italy by 2028. The plant, located in Piombino, will be a groundbreaking facility using advanced technologies, including electric arc furnaces and direct reduced iron from Ukraine. The €2.5 billion project will contribute significantly to the EU's decarbonization efforts and reduce Italy's dependence on steel imports.

Ovako Unveils Cutting-Edge Furnace in Boxholm to Halve Energy Use & Slash CO_2 Emissions

March 27, 2025

Synopsis: Swedish steel manufacturer Ovako has inaugurated a new energy-efficient furnace in Boxholm, which cuts energy consumption by 50% and reduces CO_2 emissions by 6,000-7,000 metric tons annually. This new investment is part of Ovako's long-term strategy to reduce carbon emissions and ensure fossil-free steel production in the future. Sweden's Minister for Climate and the Environment, Romina Pourmokhtari, praised Ovako's commitment to sustainable steel manufacturing.

Thyssenkrupp Steel Postpones Green Hydrogen Tender Amid Price & Market Challenges

March 27, 2025

Synopsis: Thyssenkrupp Steel, a leading German steel manufacturer, has paused its tender to purchase green hydrogen for its Duisburg direct reduction iron plant. This decision was made due to the high prices of green hydrogen and the slow pace of market development. The company had launched the tender in February 2024 for up to 151,000 metric tons of green hydrogen per year, but the high bids and challenges in the green hydrogen supply chain have forced Thyssenkrupp to reconsider its procurement strategy.

KR MELT Technology: A Groundbreaking Scrap Preheating System for Enhanced EAF Performance & Sustainability

March 27, 2025

Synopsis: SARRALLE and KR Tec have introduced KR MELT, a revolutionary scrap preheating system that significantly improves Electric Arc Furnace operations. By preheating scrap metal to approximately 700°C using heat from furnace off-gases, KR MELT offers substantial energy savings, enhanced productivity, reduced CO_2 emissions, and improved safety. This innovative system is poised to transform the steelmaking industry, driving both operational efficiency and environmental sustainability.

IFC's Strategic Investment in Aperam to Propel Sustainable Steel Production in Brazil

March 27, 2025

Synopsis: The International Finance Corporation has announced a major financing deal with Aperam, a global leader in stainless steel and alloy production, to promote sustainable steel manufacturing in Brazil. This investment aims to support Aperam's decarbonization efforts through the use of sustainable charcoal, contributing to reduced carbon emissions and improved forest management practices.

EMSTEEL & Yellow Door Energy Forge Pioneering Solar Partnership to Decarbonize UAE Steel Industry

March 27, 2025

Synopsis: EMSTEEL Group, one of the largest steel manufacturers in the Middle East, has partnered with Yellow Door Energy to develop the UAE's largest industrial rooftop solar photovoltaic (PV) project. This 31.5 MWp solar power initiative will supply renewable energy to EMSTEEL's operations in Abu Dhabi, reducing carbon emissions and helping the UAE meet its Net Zero by 2050 commitment.

CATL & Zenith Steel Forge Partnership to Propel Green Steel Industry

March 27, 2025

Synopsis: Contemporary Amperex Technology and Zenith Steel have partnered to advance a zero-carbon steel industry through clean energy and resource recycling initiatives. The collaboration focuses on integrating wind, solar, and energy storage, aiming to make steel production greener and more sustainable.

HBIS & VALE Forge MOU to Decarbonize Steel Industry Value Chain in Green Partnership

March 27, 2025

Synopsis: On March 20, 2025, HBIS and VALE signed a Memorandum of Understanding in Beijing to advance decarbonization in the steel industry value chain. This strategic partnership aligns with the sustainable mining industry MOU signed between China and Brazil in November 2024. The collaboration aims to foster green and low-carbon development in steel production, focusing on furnace input materials, recycling, and carbon capture, utilization, and storage (CCUS).

HBIS & Rio Tinto Forge Partnership to Decarbonize Steelmaking through Innovative Technologies

March 27, 2025

Synopsis: Chinese steelmaker HBIS Group has entered into a memorandum of understanding with Australian mining giant Rio Tinto to collaborate on reducing carbon emissions in steel production. This partnership focuses on optimizing blast furnace feed mixtures, enhancing energy efficiency, and exploring hydrogen-based metallurgy, contributing to the industry's green transition. This move follows a similar agreement with Brazilian miner Vale for sustainable steel development.

China's ZE-MHDV Market Sees Explosive Growth: Surge in Zero-Emission Trucks & Buses in 2024

March 27, 2025

Synopsis: China’s market for zero-emission medium- and heavy-duty vehicles has experienced a dramatic surge, with over 230,000 vehicles sold in 2024. This growth has been fueled by government incentives, technological advancements, and a shift toward battery electric and fuel-cell vehicles. In particular, the heavy truck segment has seen impressive strides, while the medium truck and city bus markets are also evolving with electrification. New technologies like battery swapping and natural gas are further transforming the market.