SteelAsia's Green Steel Triumph: Batangas Plant Recognized as World's Cleanest Steel Mill

March 19, 2025

Synopsis: SteelAsia's Calaca plant in Batangas has achieved a significant milestone by being recognized as one of the world's cleanest steel mills. With a carbon footprint nearly 90% lower than traditional steelmaking methods, SteelAsia's plant integrates renewable energy and recycling technologies to produce green steel. By scaling up production, the company is positioning itself as a leader in sustainable manufacturing in the Philippines and the global steel industry.

Navigating the Cross-Border Carbon Adjustment Mechanism: A New Era for EU Importers

March 19, 2025

Synopsis: The European Commission has published the procedures for the authorization of CBAM declarants, which will officially begin on March 28, 2025. This new step ensures that importers wishing to supply goods covered by the Cross-border Carbon Adjustment Mechanism (CBAM) to the EU must apply for authorization. The application process will run parallel to the development of an IT system for a digital register, set to be fully operational by January 1, 2026.

Strategic Blueprint for Europe's Steel Future: Five Critical Actions for a Competitive, Green Industry

March 19, 2025

Synopsis: The European steel industry plays a pivotal role in manufacturing essential technologies for achieving climate neutrality, providing hundreds of thousands of jobs. However, to secure a sustainable and competitive future, urgent action is needed to modernize the industry. The Strategic Dialogue on Steel proposes five key actions: reducing energy costs, fostering demand for green products, ramping up investments, applying fair trade policies, and guaranteeing quality jobs. These steps, if implemented effectively, will help the steel sector thrive while contributing to Europe's green transition.

Closing the Loop: Revolutionizing Automotive Steel Recycling for a Sustainable Circular Economy

March 19, 2025

Synopsis: The automotive industry plays a significant role in the European Union's steel consumption, with over 7 million metric tons of steel used annually. As the EU moves toward a circular economy, improving automotive steel recycling is crucial to reduce reliance on raw materials, cut greenhouse gas emissions, and mitigate the

environmental impact of mining. This article dives into strategies for enhancing the circularity of automotive steel, addressing challenges, and providing policy recommendations for a sustainable future.

EU's Relaxation of 2025 CO_2 Targets: A Dangerous Detour from Europe's Electric Future

March 19, 2025

Synopsis: The European Commission's recent proposal to relax the 2025 CO_2 emission targets for car manufacturers risks delaying Europe's transition to electric vehicles (EVs) and undermines the region's climate ambitions. By allowing manufacturers to offset emissions in future years, this change will result in higher CO_2 emissions in the short term, potentially slowing the growth of the electric car market and affecting the competitiveness of the European automotive industry.

Metinvest's Green Push: A Bold Investment into Gas and Solar Power for the Future

March 19, 2025

Synopsis: Metinvest Group is embarking on a major UAH1.4 billion investment to build gas-fired power plants and a solar power facility in Kryvyi Rih, Ukraine. The focus is on enhancing energy independence, boosting efficiency, and supporting the production of green steel. These steps are vital for the company's growth and sustainability amid current challenges such as the ongoing war and changing market dynamics. The investment aims to modernize production and ensure Metinvest's future success in a competitive global market.

Pioneering LCO_2 Carrier Design: A Step Toward Low-Cost CO_2 Transport for Asia-Pacific Decarbonization

March 19, 2025

Synopsis: DNV has awarded Approval in Principle (AiP) for a groundbreaking liquid carbon dioxide (LCO_2) carrier designed by Shell and Brevik Engineering. This innovative vessel, with a capacity of 74,000 cubic meters, is intended for the Asia-Pacific market, addressing the region's need for efficient, cost-effective CO_2 transport to support carbon capture and storage (CCS) initiatives. The design, which uses low-pressure technology, marks a significant step forward in enabling large-scale CO_2 shipping while reducing costs.

H2MET: Paving the Path to Precise Hydrogen Flow Measurement for a Sustainable Future

March 19, 2025

Synopsis: DNV has launched the H2MET joint industry project (JIP) to advance hydrogen flow metrology, addressing the growing need for accurate and standardized hydrogen flow measurement systems. This initiative aims to ensure the reliability and transparency of hydrogen trading, supporting global decarbonization goals. The H2MET project, led by DNV's Technology Centre in Groningen, will foster industry collaboration, allowing participants to shape the future of hydrogen measurement and facilitate the transition to a low-carbon energy system.