ArcelorMittal Poland Paves the Way for a Hydrogen Revolution with Groundbreaking Furnace Project in Kraków

March 4, 2025

Synopsis: ArcelorMittal Poland has recently completed a significant PLN 52 million investment in hydrogen furnaces at its Kraków plant, reducing CO_2 emissions by 50%. This initiative marks a major step in the company's sustainability efforts, transitioning to more eco-friendly technologies and improving production quality. With ongoing investments totaling nearly PLN 2.5 billion in the plant, the company is poised to further revolutionize steel manufacturing in Europe.

ČEZ ESCO Fuels Green Steel Future with 4.4 GWh Power Purchase Agreement for Sustainable Steel Production

March 4, 2025

Synopsis: ČEZ ESCO, a subsidiary of the Czech energy producer ČEZ Group, has entered into a landmark power purchase agreement with Třinecké Železárny, a prominent Czech steelmaker. Under the agreement, ČEZ ESCO will supply 4.4 GWh of emission-free electricity per year from the Vrskmaň photovoltaic power plant, enabling Třinecké Železárny to stabilize energy costs and move toward achieving its goal of reducing CO_2 emissions by 55% by 2030.

ArcelorMittal Poland Takes Bold Step Towards Sustainable Steel Transport with BioLNG Trucks

March 4, 2025

Synopsis: ArcelorMittal Poland has completed a successful pilot project utilizing bioLNG trucks to transport steel products across 35,000 kilometers between Poland, Belgium, and the Netherlands. The initiative is part of the company’s ongoing efforts to reduce CO_2 emissions, test alternative fuels, and adapt its logistics for future sustainability. This follows earlier trials with electric trucks and HVO100-powered vehicles, highlighting ArcelorMittal's commitment to greener and more sustainable transport solutions.

Revamping Europe's Steel Industry: The Crucial Role of Recycled Steel in Climate Action & Competitiveness

March 4, 2025

Synopsis: As the European Commission gears up for a strategic dialogue on Europe’s steel industry, Germany’s Steel Recyclers Federation stresses the critical importance of recycled steel in shaping the future of steel production. With a focus on sustainability, decarbonization, and circular economy principles, BDSV advocates for the integration of

steel scrap in the industry's transformation and the preservation of open international trade routes to maintain market stability.

Driving Circular Economy in Nuclear Industry: SARRALLE & EDF Forge Groundbreaking Collaboration

March 4, 2025

Synopsis: SARRALLE, a leader in steel melting technology, has been selected by Électricité de France to develop the Detailed Preliminary Design for the Technocentre project. This collaboration aims to revolutionize the recycling of nuclear waste, specifically transforming low-level radioactive metallics from nuclear plants into valuable ingots using advanced processes. The project not only promotes environmental sustainability and resource efficiency but also sets a new benchmark in cost-saving practices and technological advancements in nuclear waste management.

Watercycle Technologies & Primobius Forge Alliance to Propel Sustainable Battery Recycling

March 4, 2025

Synopsis: Watercycle Technologies, a UK-based climate-tech company focused on critical minerals recovery, has entered into a cooperation agreement with Primobius, a leader in innovative recycling solutions. The collaboration aims to optimize battery recycling processes using advanced technologies, promoting sustainable mineral recovery, reducing carbon emissions, and contributing to the circular economy. This partnership seeks to accelerate the commercialization of battery recycling technologies, addressing the growing demand for critical minerals in battery supply chains.