

## **[The Clean Industrial Deal: A Visionary Blueprint for Europe's Green Transformation & Global Competitiveness](#)**

February 27, 2025

Synopsis: The European Commission's Clean Industrial Deal sets forth a bold plan to strengthen the EU's industrial competitiveness and resilience by accelerating decarbonisation. With a strategic focus on energy-intensive industries and clean technologies, the deal aims to lower energy costs, boost sustainable product demand, and finance the clean transition with over €100 billion. Central to its success will be the promotion of circularity, securing critical raw materials, and creating a skilled workforce for Europe's green future. The Deal also emphasizes the importance of global partnerships and trade defense to ensure fair competition.

## **[The Clean Industrial Deal: Europe's Green Transformation for Competitiveness & Decarbonisation](#)**

February 27, 2025

Synopsis: The Clean Industrial Deal is a transformative initiative launched by the European Commission to make European industries more competitive and resilient while driving a green transformation. The Deal is designed to accelerate decarbonisation, reduce energy costs, boost demand for clean technologies, and create a sustainable future for Europe's manufacturing sector. With over €100 billion in funding, the Deal also prioritizes job creation, circularity, and the reduction of dependence on non-EU raw materials. The plan aims to make Europe a global leader in green industrial practices.

## **[Carbon Pricing Set to Revolutionize Steelmaking: Accelerating the Shift to Low-Carbon Production](#)**

February 27, 2025

Synopsis: As global efforts to combat climate change intensify, carbon pricing has emerged as a powerful tool driving the transformation of the steelmaking industry. With mechanisms like the EU Emissions Trading System and the Carbon Border Adjustment Mechanism, steelmakers are under growing pressure to reduce their carbon footprints. This article explores how carbon pricing is reshaping steel production, highlighting key technological advancements and the role of DRI and green hydrogen in the transition toward green steel. As carbon markets spread globally, the steel sector must adapt to survive in a world where sustainability is becoming a business imperative.

## **[A Comprehensive Overhaul of the Carbon Border Adjustment Mechanism: Simplification and Strengthening for a Sustainable Future](#)**

February 27, 2025

Synopsis: The European Commission has introduced a comprehensive set of proposals to reform the Carbon Border Adjustment Mechanism in February 2025. These changes are designed to reduce administrative burdens, particularly for small businesses and SMEs, while ensuring the continued effectiveness of the mechanism in curbing carbon leakage. Key reforms include a de minimis exemption for smaller importers, streamlined compliance processes, stronger anti-abuse provisions, and the potential future expansion of CBAM to other sectors. This reform is part of the European Commission's broader strategy to enhance EU competitiveness and contribute to the goals of the European Green Deal.

### **TOSYALI SULB's Bold Move: A Cutting-Edge DRI Complex in Libya to Revolutionize Green Steel Production**

February 27, 2025

Synopsis: TOSYALI SULB, a strategic partnership between TOSYALI and Libya United Steel Company has announced the launch of a state-of-the-art Direct Reduced Iron complex in Benghazi, Libya. The first phase of the project will involve the creation of a 2.5 million metric tons capacity cold DRI plant, utilizing advanced MIDREX Flex® technology. This groundbreaking facility will focus on sustainable steelmaking by incorporating both natural gas and hydrogen, positioning Libya as a key player in green steel production. The initiative will contribute significantly to Libya's economic development, industrial infrastructure, and green steelmaking efforts, expanding its role as a vital supplier in the global DRI market.

### **Cleveland-Cliffs Faces Uncertainty in Hydrogen-Based Steel Production Amid Policy Shifts**

February 27, 2025

Synopsis: Cleveland-Cliffs, a leading US steel producer, has been working on a decarbonization project involving hydrogen injection in its blast furnaces at its Middletown Works facility in Ohio. However, the company faces uncertainty about the future of its hydrogen efforts due to potential policy changes under the Trump administration, which could affect the viability of its green steel plans. The company's \$500 million grant from the Department of Energy under the Biden administration may be impacted, leaving its clean energy transition in question.

### **Steelwatch: Nippon Steel's Super COURSE50: A Misguided Path for Climate Action in Steelmaking**

February 27, 2025

Synopsis: Nippon Steel's Super COURSE50 technology, which combines hydrogen injection and carbon capture to reduce emissions from its steel plants, sounds like a step towards greener steel production. However, despite its green branding, this

technology continues the use of coal in steelmaking, delaying true decarbonization. In this article, we will explain why Super COURSE50 is not an effective solution for tackling climate change and why green hydrogen in Direct Reduced Iron production is a more viable, sustainable alternative to coal-based steelmaking.

### **Revolutionizing Steelmaking: Midrex's Pathway to Green Steel & Lower CO<sub>2</sub> Emissions**

February 27, 2025

Synopsis: Steelmakers face the urgent challenge of meeting rising global demand for high-quality steel while addressing the growing pressure to reduce CO<sub>2</sub> emissions. With governments enforcing stricter emissions regulations and industries seeking sustainable materials, Midrex Technologies is leading the charge in providing innovative solutions to decarbonize the steel industry. Through its cutting-edge technologies like MIDREX Flex and MIDREX H2, Midrex enables steelmakers to produce steel in an environmentally responsible way, driving the transition to a green future for the steel industry. This article explores Midrex's role in reshaping steel production to meet global sustainability goals.

### **Transforming Steel Decarbonization: How Importing Green Iron Can Reduce Transport Costs by 75%**

February 27, 2025

Synopsis: The shipping of green sponge iron from countries rich in renewable energy resources offers a new, highly efficient solution to decarbonizing the steel industry. This innovative approach can reduce transport requirements by up to 75% compared to the conventional method of separately transporting hydrogen and iron ore. By utilizing locally produced green hydrogen and iron ore, steelmakers can significantly cut logistical costs, reduce CO<sub>2</sub> emissions, and create a more efficient supply chain, contributing to the global transition toward green steel.

### **Malaysia's Steel Industry Restructuring: Navigating Global Tariffs for a Sustainable Future**

February 27, 2025

Synopsis: The Ministry of Investment, Trade and Industry (MITI) of Malaysia is focused on restructuring the country's steel industry to enhance sustainability. This comes amid challenges like impending U.S. tariffs on steel and aluminum, which could disrupt the market by redirecting foreign steel to Southeast Asia. MITI is working closely with industry associations to formulate a comprehensive plan to address these challenges and secure the future of Malaysia's steel sector.