

## **Strengthening Europe's Steel Future: A Bold Action Plan for Decarbonisation and Competitiveness**

March 20, 2025

*Synopsis: The European Commission has unveiled a comprehensive Action Plan aimed at securing the future of the steel and metals industries in Europe. This initiative seeks to enhance competitiveness, promote decarbonisation, and protect jobs, while addressing challenges like energy costs and unfair global competition. The plan includes strategies to reduce emissions, ensure affordable energy, protect industrial capacities, and foster innovation.*

## **ArcelorMittal CEO Applauds European Commission's Steel & Metals Action Plan for Urgent Reform**

March 20, 2025

*Synopsis: ArcelorMittal's CEO, Aditya Mittal, expressed optimism about the European Commission's newly published Steel and Metals Action Plan, emphasizing its potential to address critical issues such as trade fairness, carbon regulation, and energy costs that are hindering the European steel industry's decarbonization efforts.*

## **Rheinmetall Commits to German Steel as Priority Amid Supply Chain Security Concerns**

March 20, 2025

*Synopsis: Rheinmetall, a leading German arms manufacturer, has announced that it will prioritize the purchase of steel produced within Germany. The decision is driven by strategic and security considerations, aiming to reduce dependence on foreign suppliers and strengthen Germany's domestic supply chains. Rheinmetall sees it as a crucial mission to ensure national security by diversifying sources of steel supply.*

## **Steel Plant Struggles: Unions Demand Swift Action as U.S. Tariffs Hit Eastern Ontario**

March 20, 2025

*Synopsis: Canadian unions are urging government action after the Ivaco Rolling Mills steel plant in Eastern Ontario announces layoffs, blaming U.S. tariffs for job losses. The unions, representing steel and aluminum workers, are calling for immediate support to safeguard local employment and mitigate the effects of tariffs.*

## **Turkish Steel Industry Pushes for State Support Amid Intensifying Global Competition**

March 20, 2025

*Synopsis: The Turkish steel industry, which has seen exponential growth over the past few decades, is now facing intense global competition. The Steel Exporters Association (ÇİB) has called for state support to help sustain this growth, particularly amid protectionist trade policies and the global reorientation of the steel market.*

### **Thailand's Steel Industry Faces Turbulence Amid Global Tariff Wars & Protectionism**

*March 20, 2025*

*Synopsis: Thailand's steel industry is in a precarious position, as global trade protectionism and tariff wars, sparked by U.S. President Donald Trump's 25% steel import duties, are exacerbating challenges for local producers. As Thailand struggles with rising Chinese steel imports and sluggish economic conditions, steelmakers are urgently seeking additional government protection to safeguard their market share and avoid further economic harm.*

### **Posco Divests W467B Stake in Nippon Steel to Unlock Capital for Future Growth**

*March 20, 2025*

*Synopsis: Posco Holdings, the South Korean steel giant, has announced the sale of its W467 billion (\$321 million) stake in Nippon Steel. This decision comes as part of Posco's strategic plan to enhance value and free up capital. Despite the divestment, the strong partnership between the two steelmakers will continue, as both companies aim to pursue growth and stability.*

### **Swiss Steel Group Navigates Challenges with Strategic Adjustments Amid Market Decline**

*March 20, 2025*

*Synopsis: Despite facing a tough global economic slowdown, Swiss Steel Group remains committed to its long-term strategic objectives. The company adapted to a weak market in 2024, with declining sales and production, but managed to reduce debt and bolster its capital structure. By implementing cost-cutting measures and streamlining operations, Swiss Steel is positioning itself for a future recovery once market conditions improve.*

### **Worthington Steel's Dismal Third Quarter: Financial Results Fall Short Amid Sluggish Demand**

*March 20, 2025*

*Synopsis: Worthington Steel, Inc., a key player in metals processing, has reported troubling financial results for the third quarter of fiscal year 2025. Despite its strong market position, the company saw a significant drop in net sales, operating income, and earnings compared to the same period last year. Factors contributing to the downturn include reduced sales volumes, lower direct selling prices, and the ongoing economic*

uncertainty affecting demand. However, the company remains optimistic about its long-term growth prospects, including a strategic acquisition in Italy. Despite these challenges, the company's resilience is highlighted by its continued focus on safety and customer service.

### **Steel Homes for Earthquake Resilience: Karmod's Sustainable Solution to Concrete Construction**

March 20, 2025

*Synopsis: Karmod, a Turkish construction company, proposes steel-framed homes as an alternative to traditional concrete structures to improve earthquake resilience in Turkey. Highlighting the superior durability, energy efficiency, and faster construction times of steel homes, Karmod aims to address the country's seismic risks while promoting sustainability.*

### **Laser-Arc Weak Coupling for Porosity-Free Welding of High-Nitrogen Steel: A Game Changer**

March 20, 2025

*Synopsis: A new welding method, weakly coupled laser-arc hybrid welding, has been developed to solve porosity issues in high-nitrogen steel. This innovative technique offers stable droplet transfer, eliminates porosity, and ensures high-quality welds, marking a significant breakthrough for the welding of high-nitrogen steel in industries like aerospace and marine equipment.*

### **Enhancing Bonding Strength in Concrete-Filled Steel Tubes with Internally Welded Steel Bars**

March 20, 2025

*Synopsis: This article explores how internally welded steel bars improve the bonding strength between steel pipes and concrete in concrete-filled steel tube (CFST) structures. The study presents experimental results, ultrasonic testing, and finite element simulations that demonstrate the effectiveness of this method in enhancing the structural integrity of CFST components. Additionally, the impact of these reinforcement strategies on the dynamic behavior and stability of CFST under various loading conditions is evaluated, providing valuable insights for design optimization in civil engineering.*