

## **Rio Tinto Announces Strategic Board Reshuffle as Part of Transition in 2025**

February 21, 2025

*Synopsis: Rio Tinto has unveiled changes to its Board of Directors, marking the conclusion of a transitional phase that began with the integration of new and experienced members. Key updates include the stepping down of Sam Laidlaw, Simon Henry, and Kaisa Hietala, alongside several leadership shifts within Board committees.*

## **Revolutionizing Coil Tracking: Primetals Technologies' AI-Driven Innovation at SSAB Hämeenlinna**

February 21, 2025

*Synopsis: Primetals Technologies has implemented an AI-powered digital assistant system at SSAB's Hämeenlinna plant, revolutionizing coil tracking and defect detection. This new technology ensures the correct processing sequence, minimizes production interruptions, and prevents damage to equipment by identifying surface issues in real-time.*

## **El Marakby Steel Elevates Production Capacity with Advanced SMS Minimill Upgrade**

February 21, 2025

*Synopsis: El Marakby Steel, a leading Egyptian steel manufacturer, has partnered with SMS Group for a significant upgrade to its minimill in 6th of October City. The project, which focuses on enhancing its electric arc furnace, casting plant, and rolling mill, aims to boost annual production by 10%, improve efficiency, and reduce operating costs. With key technological advancements like the CONSO systems and CONVEX® Mold Tube, El Marakby Steel strengthens its competitive position and increases its capacity to produce 460,000 metric tons of rebar and wire rod per year.*

## **Hoa Sen Steel Plant Expansion in Vietnam to Boost Steel Production with \$90 Million Investment**

February 21, 2025

*Synopsis: Hoa Sen Group, one of Vietnam's largest steel manufacturers, has committed to a significant \$90 million expansion of its steel plant in Binh Dinh province. The investment aims to increase the production capacity of galvanized, color-coated, and cold-rolled steel, while contributing to the broader industrial development of the Nhon Hoi Economic Zone in central Vietnam. This expansion aligns with Hoa Sen's continued growth strategy and Vietnam's manufacturing sector objectives.*

## **SAIL's Rourkela Steel Plant Signs Deal for a 2 Million Metric Ton Pellet Plant**

February 21, 2025

*Synopsis: The Steel Authority of India Limited has partnered with a consortium to construct a 2 million metric tons per year pellet plant at its Rourkela Steel Plant. This plant will improve resource utilization, utilizing ultra-fines generated from mining to enhance productivity in blast furnaces.*

### **Harsco Environmental & İDÇ Forge Strong Partnership in Turkey's Steel Industry**

*February 21, 2025*

*Synopsis: Harsco Environmental, part of Enviri Corporation, has secured a new contract with İzmir Demir Çelik Sanayi in Izmir, Turkey. This deal will see Harsco Environmental providing furnace digging services for two electric arc furnaces at İDÇ's plant, marking a key expansion for the company in the Turkish market.*

### **Delong Steel Group & Steelinvest Forge Joint Venture in Dubai to Boost Global Steel Trade**

*February 21, 2025*

*Synopsis: In a strategic move to expand their global footprint, Delong Steel Group, a leading Chinese steelmaker, and Steelinvest Group, a renowned steel trader based in Belgium, have launched a new joint venture named Ziming SG Global in Dubai, UAE. This venture will serve as a hub for the export of semi-finished and finished steel products, including hot rolled coils, plates, and long steel products, from Delong's plants. The new company aims to enhance export efficiency and strengthen the marketing of Delong's products worldwide.*

### **Danieli's Revolutionary Technology Powers Hengyang Valin's Seamless Pipe Expansion**

*February 21, 2025*

*Synopsis: Hengyang Valin Steel Pipe has chosen Danieli's cutting-edge FQM® technology for its new hot-rolling production line. This investment will enable the production of extra-large diameter seamless tubes for the energy and infrastructure sectors, marking a significant step forward in the Chinese steel industry.*

### **Al Yamamah Steel Secures SAR 112.9 Million Deal for Ultra-High Voltage Line in Saudi Arabia**

*February 21, 2025*

*Synopsis: Al Yamamah Steel Industries Company has signed a SAR 112.9 million contract to supply steel towers for a 380 kV ultra-high voltage line in Saudi Arabia's Western region. This agreement marks another significant step in the company's growth, with the supply set to begin in July. The deal is expected to positively impact the company's financial performance from Q4 2025 onward.*

## **Nordic Steel Selected Again for Salmon Evolution: Expanding Trust in Aquaculture Innovation**

February 21, 2025

*Synopsis: Nordic Steel has once again been entrusted with the construction of phase two of Salmon Evolution, one of the largest land-based aquaculture facilities in the world. The Bryne-based steel company will contribute 200 metric tons of equipment, including CO<sub>2</sub> aerators and ventilation systems, to enhance water treatment and operational efficiency at the facility. This collaboration is a continuation of a successful partnership, reflecting Nordic Steel's expertise and role in the growing aquaculture industry.*

## **Erciyas Çelik Boru Secures \$76.34 Million Pipe Order for Morocco's Project Phase 3**

February 21, 2025

*Synopsis: Erciyas Çelik Boru, a prominent Turkish pipe manufacturer, has secured a \$76.34 million pipe order for the third phase of a project in Morocco. This follows their successful involvement in the first two phases of the project, marking their continued commitment to providing high-quality piping solutions.*

## **SIJ Steel Group Optimistic About 2025 Amid Challenges in the Steel Industry**

February 21, 2025

*Synopsis: Slovenian Steel Group is looking forward to a more promising outlook in 2025 despite the challenging conditions in the steel industry. With projected growth in demand and an expected recovery in the steel market, SIJ is confident that their revenues and EBITDA will improve. The company is also counting on the European Union's support to tackle high energy prices and looks forward to potential growth in international markets, including the U.S. and the Middle East.*

## **POSCO & Kerry Siam Seaport Form Strategic JV to Revolutionize Steel Logistics in Southeast Asia**

February 21, 2025

*Synopsis: Kerry Logistics Network and POSCO Flow, a subsidiary of the world's largest steelmaker, POSCO Group, have established a joint venture in Thailand called POSCO Flow (Thailand). This partnership will enhance steel logistics operations in Southeast Asia, providing comprehensive services, from port support to transportation, warehousing, and customs clearance. The collaboration aims to create a competitive edge in the regional market, combining KLN's logistics expertise with POSCO's steel manufacturing strength.*

## **SAIL's Rourkela Steel Plant Eyes Leaner Workforce with New Five-Year Strategic Plan**

February 21, 2025

*Synopsis: Steel Authority of India Limited is implementing a new strategy to streamline its workforce at the Rourkela Steel Plant. The company aims to reduce its workforce by over 50%, cutting the current 11,800 employees down to around 5,000-6,000. This move is part of SAIL's broader plan to improve workforce efficiency, adopt modern technology, and enhance cost competitiveness as part of its ambitious expansion and modernization initiatives. The company is focused on reducing labor costs while boosting productivity and production capacity in line with global benchmarks.*

## **Fortress Building Products Revolutionizes Outdoor Living with Evolution Tile Deck Tray for Fire-Safe, Durable Decks**

February 21, 2025

*Synopsis: Fortress Building Products has introduced the Evolution Tile Deck Tray, a cutting-edge solution that enhances the construction of outdoor living spaces by providing fire-safe, durable, and moisture-resistant decks. This innovative tray is compatible with the Evolution steel deck framing system, offering contractors a seamless surface to install tile pavers or a combination of tiles and deck boards. With its fire-safe and weather-resistant properties, the tray offers long-term performance and design flexibility for creating beautiful and reliable outdoor spaces. Available through Fortress's dealer network across North America, this new product promises to meet the growing demand for resilient outdoor solutions in a variety of climates and environments.*

## **UK Government Upholds Anti-Dumping Measure on Corrosion Resistant Steel from China**

February 21, 2025

*Synopsis: The UK government has accepted the Trade Remedies Authority's recommendation to extend anti-dumping duties on corrosion-resistant steel imports from China for an additional five years. The decision follows a review process indicating that removing the measure would harm UK industries, especially concerning decarbonisation efforts. The duties will range from 17.2% to 27.9%, ensuring protection for UK CRS producers and their contributions to the economy and environmental goals.*

## **South Korea Takes a Stand: Provisional Anti-Dumping Tariffs on Chinese Steel Plates**

February 21, 2025

*Synopsis: South Korea's Ministry of Industry has announced a provisional decision to impose tariffs of up to 38% on Chinese steel plates following an investigation into alleged dumping. These plates, used primarily in shipbuilding and construction, were found to be sold at unfairly low prices, harming the domestic steel industry. This move is part of South Korea's efforts to protect local manufacturers amidst rising concerns over global steel pricing and market fairness.*

### **US DOC Rescinds Antidumping Duty Review on French Steel Cut-to-Length Plate**

*February 21, 2025*

*Synopsis: The US Department of Commerce has decided to rescind the administrative review of the antidumping duty order on certain carbon and alloy steel cut-to-length plates imported from France for the review period between May 1, 2023, and April 30, 2024. The review, initially started on July 5, 2024, was terminated as the DOC found there were no suspended entries of subject merchandise from Dillinger France during the period.*

### **Gerdau Faces Profit Drop in 2024 Amid Global Steel Oversupply & Import Challenges**

*February 21, 2025*

*Synopsis: In 2024, Brazilian steel giant Gerdau Group posted a significant decline in its financial performance. Net profits dropped to BRL 4.600 billion (\$807 million), compared to BRL 6.854 billion in 2023. This was accompanied by lower net sales, gross profit, and EBITDA, with a noticeable drop in steel product sales volume. Despite the challenges, Gerdau remains focused on sustainable growth and maintaining financial strength.*

### **Olympic Steel Sees Resilient Growth in Fourth-Quarter 2024 Amid Market Challenges**

*February 21, 2025*

*Synopsis: Olympic Steel, Inc. delivered solid results in the fourth quarter of 2024, despite challenging market conditions. The company showed sequential improvement in profitability and successfully executed its diversification strategy, including its eighth acquisition in the past seven years. Shareholders were rewarded with a 7% increase in the quarterly dividend. While the full-year results showed a decline in net income, Olympic Steel remains confident in its strategy for sustained profitability and growth.*

### **Çemtaş Faces Financial Loss in 2024 Despite Growth in Export Sales**

*February 21, 2025*

*Synopsis: Çemtaş, a Turkish steel manufacturer, reported a net loss of TRY 29.83 million (\$821,300) for 2024, compared to a net profit of TRY 119.27 million in 2023. The*

company's sales revenue dropped by 19.9% year-on-year to TRY 5.77 billion (\$158.87 million), while operating profit also saw a decrease. Despite these financial setbacks, Çemtaş increased export sales by 21%, while domestic sales declined.

### **Vale Reports Decline in Profits & Revenues for 2024 Amidst Iron Ore Challenges**

February 21, 2025

*Synopsis: Brazilian mining giant Vale posted a net profit of BRL 30.431 billion (\$5.338 billion) for 2024, marking a significant decline compared to BRL 40.554 billion in 2023. The company's net sales revenues also dropped by 1% to BRL 206.005 billion, with key financial indicators, including gross profit and operating profit, all showing notable decreases. Despite challenges, Vale produced 328 million metric tons of iron ore and remains focused on maintaining production targets for the next year.*

### **Rio Tinto's Robust Financials & Strategic Growth Amidst Challenges in 2024**

February 21, 2025

*Synopsis: Rio Tinto delivered strong financial results for 2024, showcasing resilience despite challenges like a dip in iron ore prices. The company continues to focus on sustainable growth, significant investments in energy transition, and improved operational performance.*

### **Vale's New Carajás Program: A Game-Changer in Brazil's Energy Transition & Global Sustainability Leadership**

February 21, 2025

*Synopsis: Vale, celebrating 40 years in the Amazon, has launched the New Carajás Program, investing R\$70 billion (\$13 billion) from 2025 to 2030. Focused on boosting iron ore and copper production in the Carajás region, this initiative is pivotal to global decarbonization efforts, sustainable mining practices, and Brazil's leadership in the energy transition. This expansion will significantly contribute to green steel production, circularity, and low-carbon solutions in mining.*

### **Mitsui Acquires Stake in Rhodes Ridge: Strategic Expansion for Rio Tinto's Joint Venture**

February 21, 2025

*Synopsis: Mitsui & Co. has agreed to acquire a 40% interest in the Rhodes Ridge Joint Venture from Rio Tinto's partners. This acquisition includes a 25% interest from VOC Group Limited and a further 15% from AMB Holdings Pty Ltd. The transactions are subject to regulatory approvals and aim to progress the Rhodes Ridge project, with the first ore expected by 2030. This strategic move further strengthens the long-standing partnership between Mitsui and Rio Tinto.*

## **Barragem Maravilhas III: Ensuring Stability & Safety in Minas Gerais Amid Construction Pause**

*February 21, 2025*

*Synopsis: The Barragem Maravilhas III in Nova Lima, Minas Gerais, has maintained excellent structural integrity as of January 2025, according to its latest Geotechnical Performance Assessment Report. Despite temporary halting of works due to the rainy season, the dam is under continuous 24/7 monitoring and remains in compliance with safety standards.*

## **Revolutionizing Steel Surface Defect Detection: Enhanced RetinaNet Approach for Unmatched Accuracy**

*February 21, 2025*

*Synopsis: This study introduces an innovative approach for detecting surface defects in steel materials by integrating deformable convolutions, advanced feature fusion, and a novel loss function into the RetinaNet architecture. By enhancing the model's ability to adapt to diverse defect shapes and improving the accuracy of bounding box predictions, the proposed method significantly outperforms existing models, offering improved detection efficiency for the steel industry.*