

### [Unveiling the Intricacies of Hydrogen Diffusion in X70 Pipeline Steel: Insights from Simulation & Experimental Data](#)

*Updated on : Feb 24, 2025 12:23 pm*

Synopsis: This research explores the behavior of hydrogen in X70 pipeline steel, focusing on hydrogen diffusion and saturation. Using high-pressure hydrogen charging, thermal desorption analysis, and advanced numerical modeling, the study offers a comprehensive understanding of hydrogen's impact on pipeline material integrity. The findings are crucial for improving pipeline safety and advancing the transition to hydrogen-based energy systems.

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### [Precision in Automation: Streamlining Water Analysis at Salzgitter Flachstahl GmbH](#)

*Updated on : Feb 24, 2025 12:23 pm*

Synopsis: At Salzgitter Flachstahl GmbH, approximately 32,000 samples are processed annually in the field of operational analytics, primarily focusing on water analysis. The company employs a high degree of automation in its testing procedures to efficiently manage large sample volumes and produce accurate results for both internal production and public water supply. Among the advanced technologies used is a robotic system, SP2000, that autonomously handles various sample preparation and analysis steps.

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### [UGIMA®-X: A Quantum Leap in High-Performance Machinable Stainless Steel](#)

*Updated on : Feb 24, 2025 12:23 pm*

Synopsis: Swiss Steel Group's UGIMA®-X, the third generation of high-machinability stainless steels, introduces revolutionary advancements in productivity, tool life, and consistency. These new grades, UGIMA®-X 4021, 4028, and 4460, offer up to 50% longer tool life and a 20% boost in productivity, along with remarkable improvements in chip breakability and reduced quality variations. Designed for diverse industrial applications, UGIMA®-X also aligns with sustainable practices, offering a "Climate+" version produced with renewable energy.

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### [ArcelorMittal Brasil Invests in AI for Steel Production Quality Assurance](#)

*Updated on : Feb 24, 2025 12:22 pm*

Synopsis: ArcelorMittal Brasil has implemented an AI-driven solution in its Resende plant in Rio de Janeiro to ensure high-quality steel production. The system uses a

machine learning algorithm integrated with cameras to monitor and identify any defects in steel coils, enhancing product quality and production efficiency.

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### [Argentina's Metallurgical Industry Shows Signs of Recovery with 2.6% Growth in January](#)

*Updated on : Feb 24, 2025 12:22 pm*

Synopsis: After facing a sharp decline in 2024, Argentina's metallurgical industry rebounded with a 2.6% growth in January. The growth was driven by the agricultural sector, with key sub-sectors showing a positive shift as the country prepares for the upcoming harvest.

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### [Brazil's Ferrous Scrap Exports Could Decline in 2025 Amid Shrinking Demand](#)

*Updated on : Feb 24, 2025 12:20 pm*

Synopsis: Brazil's ferrous scrap exports have shown a significant decline in early 2025, with January exports falling 23% compared to the previous year. This follows a pattern of decreasing exports in 2024, raising concerns about the future of the industry, which saw a drop in total exports in 2024 compared to a record-high 2023.

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### [Mexican Steel Industry Eyes Regional Integration Amid Rising Trade Tensions](#)

*Updated on : Feb 24, 2025 12:20 pm*

Synopsis: Mexico's steel industry is positioning itself for growth and regional integration despite increasing trade uncertainties with the US. The upcoming Expo Acero in Monterrey, scheduled for March 24–26, 2025, will highlight the industry's optimism, with projections for \$8.7 billion in investments over the next three years.

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### [Vietnam Slaps Preliminary Antidumping Duties on Chinese Hot-Rolled Steel Imports](#)

*Updated on : Feb 24, 2025 12:20 pm*

Synopsis: Vietnam's Ministry of Industry and Trade has announced the imposition of preliminary antidumping duties on hot-rolled steel products imported from China. This decision follows an investigation that found the products were being dumped into the Vietnamese market, harming local producers. The new duties will range from 19.38% to 27.83%, and they will come into effect on March 7.

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### [Hermann von Mühlenbrock Warns: Protectionism Hurts Free Trade & Steel Industry](#)

*Updated on : Feb 24, 2025 12:18 pm*

Synopsis: Hermann von Mühlenbrock, the general manager of Aceros AZA, argues that protectionist measures like tariffs are harmful to global trade, particularly for the steel industry. He points to Chile's success with low tariffs as a model and warns that trade diversion due to restrictive policies will lead to steel dumping, ultimately destabilizing markets.

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### [Latin American Steelmakers Urge Trump for Strategic Alliance Against China](#)

*Updated on : Feb 24, 2025 12:18 pm*

Synopsis: The Latin American Steel Association Alacero has expressed surprise at President Donald Trump's decision to impose 25% tariffs on all steel imports, regardless of origin. They argue that this move stems from problems caused by China, which also affects the steel industries in Latin America. They are now calling for a strategic alliance to address these shared challenges.

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### [EU Braces for Massive Impact as Trump's Steel & Aluminum Tariffs Could Hit €28 Billion in Exports](#)

*Updated on : Feb 24, 2025 12:18 pm*

Synopsis: The European Union is preparing for a significant blow to its economy, with estimates suggesting that up to €28 billion of its exports could be impacted by a new wave of steel and aluminum tariffs imposed by the US. These tariffs, part of President Trump's broader trade strategy, mark a major escalation in the ongoing trade dispute, and the EU is readying retaliatory measures.

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### [Trump Announces New 25% Tariff on Automobiles: A Major Shift in Trade Relations](#)

*Updated on : Feb 24, 2025 12:16 pm*

Synopsis: President Donald Trump has announced a new 25% tariff on automobiles. With Mexico heavily reliant on the US for automotive exports, this move is expected to significantly affect the automobile trade between the two countries, especially since vehicles and auto parts are key exports from Mexico to the US..

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### [Hazoor Multi Projects Secures Rs 102.10 Crore Deal for Versova Bandra Sea Link Bridge](#)

*Updated on : Feb 24, 2025 12:16 pm*

Synopsis: Hazoor Multi Projects has bagged a contract worth Rs 102.10 crore from Venkatesh Infra Projects for the Versova Bandra Sea Link bridge construction in Mumbai. The deal includes reinforcement steel and structural steel fabrication, including cutting, bending, drilling, and welding, with a completion deadline of six months.

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### [Hyundai HYMS Elevates Steel Plate Production to 450 Metric Tons Daily, Eyes New Ventures in Port Cranes](#)

*Updated on : Feb 24, 2025 12:16 pm*

Synopsis: Hyundai HYMS, a key player in the steel manufacturing industry, has significantly enhanced its production capabilities. The company now produces 400 to 450 metric tons of steel plates daily at its Mokpo facility in South Jeolla Province, marking a remarkable achievement in steel plate production. Additionally, Hyundai HYMS is expanding its operations into new sectors such as independent tanks and port cranes, capitalizing on the growing shipbuilding boom.

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### [Bhilai Steel Plant Sets Historic Record with 18,037 Metric Tons of Hot Metal Production in One Day](#)

*Updated on : Feb 24, 2025 12:15 pm*

Synopsis: On February 22, 2025, Bhilai Steel Plant achieved a monumental feat by producing 18,037 metric tons of hot metal in just one day using only four of its six blast furnaces. This achievement set a new all-time daily production record, marking a historic milestone for the plant and underscoring its capacity to produce steel efficiently with fewer furnaces.

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### [Steel & Tube Holdings Defies Recessionary Pressure, Poised for Growth with Strategic Acquisitions](#)

*Updated on : Feb 24, 2025 12:15 pm*

Synopsis: Steel & Tube Holdings Limited reported its 1H25 results, reflecting the impact of weak economic conditions on customer demand. Despite challenges, the company remains resilient with a robust balance sheet, no bank debt, and a \$100m bank facility. Focused on high-value products and cost efficiency, Steel & Tube anticipates market recovery starting mid-2025. They also announced an acquisition agreement with Perry Metal Protection, Perry Grating, and Waikato Sand Blasting, set to complete by May

2025.

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### [Olympic Steel's Strategic Growth & Resilient Earnings Amid Market Challenges in 2024](#)

*Updated on : Feb 24, 2025 12:15 pm*

Synopsis: Olympic Steel, Inc. reported its financial results for Q4 and full-year 2024, showing solid performance despite challenging market conditions. The company achieved a sequential improvement in profitability in Q4 and maintained positive EBITDA across all segments throughout the year. Despite a drop in net income and sales, Olympic Steel continued to execute its diversification strategy, completing its eighth acquisition in seven years. The company also increased its quarterly dividend by 7%, rewarding shareholders with a \$0.16 per share payout.

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### [Ternium S.A. Reports 2024 Performance: Mixed Results Amid Market Fluctuations](#)

*Updated on : Feb 24, 2025 12:14 pm*

Synopsis: Ternium released its financial results for Q4 and full-year 2024, showing a mix of challenges and successes. Despite a downturn in key markets like Mexico and Brazil, steel shipments remained strong overall, with a notable increase in steel shipments to industrial customers. The company's net income reached \$333 million for Q4, but a significant provision reversal boosted results. Ternium also focused on expanding its operations, with major investments in Mexico and Argentina. Despite challenges, Ternium maintained a solid net cash position of \$1.6 billion by year-end.

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### [Tenaris' 2024 Q4 & Full Year Financials: Decline in Revenue, Resilient Performance Amidst Challenges](#)

*Updated on : Feb 24, 2025 12:14 pm*

Synopsis: Tenaris, a leader in tubular products and services, has announced its financial results for Q4 2024 and the entire year. The company saw a decrease in net sales by 16% year-over-year, with challenges such as lower demand in key markets like North America and the Middle East. Despite a drop in revenue, the company showcased resilience in its operations, especially in the Middle East and South America, and experienced a slight increase in operating income compared to Q3 2024.

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### [Reliance, Inc. Achieves Robust Financial Performance in 2024 with Resilient Growth Strategies](#)

*Updated on : Feb 24, 2025 12:13 pm*

Synopsis: Reliance, Inc. has reported impressive financial results for the fourth quarter and full year of 2024. The company demonstrated resilience with strong earnings, solid growth in tons sold, and strategic investments including acquisitions and share repurchases. Despite challenges in metal pricing and macroeconomic uncertainties, Reliance's profitability and operational execution helped the company sustain growth across multiple markets, with a focus on non-residential construction and manufacturing sectors.

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### [British Steel Secures Major Contract to Supply Shaft Guides for Botswana's Karowe Diamond Mine](#)

*Updated on : Feb 24, 2025 12:13 pm*

Synopsis: British Steel has secured a significant contract to supply 768 metric tons of unique top hat profile shaft guides to the Karowe diamond mine in Botswana. The mine, known for producing high-quality diamonds, will use these specialized shaft guides for its underground mining operations, set to begin in 2028. The top hat shaft guides, produced by British Steel, offer significant advantages in durability, inspection ease, and hoisting capacity over traditional designs.

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### [TYASA to Launch New Steel Mill in Mexico, Strengthening Auto Industry Supply by 2026](#)

*Updated on : Feb 24, 2025 12:12 pm*

Synopsis: TYASA is set to begin operations on a new steel mill in Mexico by early 2026. The mill will produce 400,000 metric tons of specialized steel bars for the automotive industry, currently imported. The project aims to create 1,500 jobs during construction and approximately 500 permanent jobs once operational.

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### [Sourav Ganguly's Steel Plant Project in Garbeta: A Monumental Investment for West Bengal's Growth](#)

*Updated on : Feb 24, 2025 12:12 pm*

Synopsis: Former Indian cricket captain Sourav Ganguly announced that his steel plant project in Garbeta, West Bengal, is expected to start operations in 18-20 months. The venture, with a Rs 2,500 crore investment, will have a capacity of 0.8 million metric tons per annum. This project, located at Garbeta, marks a major step in Ganguly's transition to industrialism, aiming to boost the state's economy.

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### [Tenova's Green City Mill Flex at Vinton Steel: A Groundbreaking Leap in Sustainable Steel Production](#)

*Updated on : Feb 24, 2025 12:10 pm*

Synopsis: Vinton Steel LLC has partnered with Tenova to implement its Green City Mill Flex technology at their El Paso facility. This advanced steel production platform aims to enhance capacity to 400,000 metric tons annually, while drastically reducing emissions, energy consumption, and operational costs. With a focus on sustainability, this project promises to revolutionize long steel production, setting new standards for green steelmaking in the U.S.

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### [Texas Governor Abbott Champions Vinton Steel's \\$255M Investment in Borderland Economic Growth](#)

*Updated on : Feb 24, 2025 12:10 pm*

Synopsis: Texas Governor Greg Abbott visited the Borderland region as Vinton Steel announced a \$255 million investment plan to modernize its facility. This significant investment, the largest in its parent company Kyoei Steel's history, promises new machinery, hundreds of job opportunities, and a boost to local economic growth, making the region more attractive to global investors.

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### [Sheffield Steel Struggles: Liberty Plant Faces Crisis Amidst Idle Operations & Debt Woes](#)

*Updated on : Feb 24, 2025 12:09 pm*

Synopsis: A Liberty Steel worker has shared alarming concerns about the Rotherham and Stocksbridge plants, stating that they are "standing idle" and deteriorating. Despite efforts to restructure its finances and clear massive debts, Liberty Steel has faced major operational challenges, with some facilities not producing liquid steel since July 2024.

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### [Gerdau Rethinks Expansion Plans Amid US Tariffs & Strategic Shifts](#)

*Updated on : Feb 24, 2025 12:09 pm*

Synopsis: Brazilian steelmaker Gerdau is reconsidering its expansion strategy after the introduction of US tariffs, potentially opting to boost production in the US rather than proceed with plans to build a new plant in Mexico. The company had previously planned a \$500-600 million investment for a specialty steel facility in Mexico but has now

delayed this decision. Instead, it may focus on increasing its existing production capacity in the US.

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### [NUMSA Raises Alarm Over ArcelorMittal's Exit: A Threat to Workers & South Africa's Steel Industry](#)

*Updated on : Feb 24, 2025 12:09 pm*

Synopsis: The decision by ArcelorMittal to exit the long steel business has triggered concerns from the NUMSA union, which argues the move will lead to massive job losses and have a negative impact on South Africa's economy. With around 3,500 jobs at risk, NUMSA has called for urgent government intervention and a resolution to mitigate the crisis.

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### [Steel & Tube Acquires Leading Corrosion Protection & Grating Experts in Strategic Move](#)

*Updated on : Feb 24, 2025 12:09 pm*

Synopsis: Steel & Tube Holdings Limited has announced the conditional acquisition of Perry Metal Protection, Perry Grating, and Waikato Sand Blasting, expanding its portfolio with key additions in corrosion protection, grating products, and sandblasting services. This acquisition strengthens Steel & Tube's product offerings and enhances its position in the market, introducing new high-value processing solutions and aligning with growth strategies.

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### [Leadership and Innovation: A Visionary Approach by Sofía Trombetta at ArcelorMittal](#)

*Updated on : Feb 24, 2025 12:08 pm*

Synopsis: Sofía Trombetta, Director of People, Health, and Wellbeing at ArcelorMittal Long Steel and Mining in Latin America, emphasizes the importance of leaders adopting a mentor mindset to foster innovation and growth within organizations. She explains how leaders must empower employees to take the lead in driving change.

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### [Nucor's Leadership Shift: Executive Vice President Gregory J. Murphy to Retire, Promotions Follow](#)

*Updated on : Feb 24, 2025 12:08 pm*

Synopsis: Nucor Corporation announced that Gregory J. Murphy, Executive Vice President of Business Services and General Counsel, will retire in June 2025 after 36



years of service. His responsibilities will transition to Benjamin M. Pickett, who will be promoted to Executive Vice President, and Douglas R. Wilner, who will become President of Corporate Legal Affairs and General Counsel. The leadership transition ensures continuity and stability as the company moves forward.