

### [Revolutionizing Concrete Strength Analysis: Machine Learning in Industrial Waste-Based Concrete Reinforced with Steel Fiber](#)

*Updated on : Mar 10, 2025 11:06 am*

Synopsis: This article delves into the innovative use of machine learning to evaluate the compressive strength of concrete made with industrial waste and steel fibers. It offers a modern, faster, and more sustainable method for evaluating concrete properties, bypassing traditional, resource-intensive experimental processes. The study highlights the use of advanced ML models that can predict concrete strength, optimizing material use and reducing the environmental impact. The research underscores the effectiveness of models like Kstar and Decision Table, focusing on how steel fiber content and fiber orientation significantly influence concrete performance.

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### [Bokaro Steel Plant Innovates with Sludge Mill Scale Bricks for Sustainable Iron-to-Steel Conversion](#)

*Updated on : Mar 10, 2025 11:06 am*

Synopsis: The Bokaro Steel Plant has developed a groundbreaking sludge mill scale brick, a cost-effective and eco-friendly alternative to scrap metal in the iron-to-steel conversion process. This new innovation enhances steel production efficiency by acting as both a heat absorbent and coolant, reducing production costs and scrap metal usage. Manufactured from waste materials like sludge and mill scale, the brick has been successfully tested and is currently in operation at the plant.

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### [Gronkowski & US Steel Team Up for \\$400K Woodland Hills Fitness Center Overhaul](#)

*Updated on : Mar 10, 2025 11:05 am*

Synopsis: Rob Gronkowski, a former NFL player and Woodland Hills High School graduate, has partnered with U.S. Steel to donate \$400K for the renovation of the school's fitness center. This donation will provide modern fitness equipment, benefiting not only athletes but all students, with plans for limited community access as well. The project highlights Gronkowski's commitment to giving back to his hometown and U.S. Steel's ongoing investment in the local community.

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### [Kardemir & Amsted Rail Forge Strategic Partnership to Revolutionize Global Railway Industry](#)

*Updated on : Mar 10, 2025 11:05 am*

Synopsis: Kardemir, a leading Turkish integrated long steel producer, has entered into a strategic partnership with US-based Amsted Rail Company, Inc. This collaboration aims to enhance railway component production, particularly cast railway wheels, targeting global markets with advanced, integrated systems.

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### [Mexico Launches Antidumping Probe into Hot-Rolled Steel Imports from China & Vietnam](#)

*Updated on : Mar 10, 2025 11:05 am*

Synopsis: Mexico has initiated an antidumping investigation into hot-rolled steel imports from China and Vietnam, citing concerns over unfair pricing practices and their detrimental impact on the local steel industry. This investigation is aimed at safeguarding the competitiveness of the domestic steel sector and may lead to the imposition of tariffs if the allegations are substantiated.

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### [Concerns Over Fair Trade and US Tariffs: Implications for Latin American Steel Markets](#)

*Updated on : Mar 10, 2025 11:04 am*

Synopsis: Hermann Von Muhlenbrock, the General Manager of AZA Acero Sostenible, has expressed grave concerns regarding the potential disruption of fair trade principles due to U.S. steel tariffs. These measures could lead to a shift in trade flows to Latin America, introducing risks like "dumping" and market imbalances, which highlight the urgent need for effective institutional regulation to protect regional markets and industries.

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### [Colombian Steel Industry Faces Regional Trade Tensions Amid Import Surge from Andean Neighbors](#)

*Updated on : Mar 10, 2025 11:03 am*

Synopsis: The Colombian steel industry is grappling with a rise in imports of reinforced steel bars from Peru, Ecuador, and Bolivia, which has led to concerns from the Colombian Chamber of Steel Producers, CAMACOL. Despite a Colombian investigation highlighting market distortions, the Andean Community has rejected Colombia's request for safeguard measures to protect its local steel market. This has created significant friction within the Andean region over how to balance regional trade agreements with the need for national industry protection.

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## [US & Mexico Agree to Temporary Tariff Pause Under T-MEC: A Strategic Trade Agreement Shift](#)

*Updated on : Mar 10, 2025 11:03 am*

Synopsis: The United States and Mexico have agreed to pause tariffs on all products covered under the T-MEC agreement until April 2, a decision designed to stabilize trade relations between the two nations. This pause follows discussions around controlling migration and the growing fentanyl trade. The agreement aims to provide relief to industries while promoting cooperation on crucial issues.

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## [Ternium CEO Máximo Vedoya Warns of Tariff Damage, Stresses Need for Innovation & SME Support in Mexico](#)

*Updated on : Mar 10, 2025 11:02 am*

Synopsis: Máximo Vedoya, CEO of Ternium, delivered a poignant farewell speech as the president of CAINTRA, the industrial chamber of Nuevo León, Mexico, where he emphasized the negative impacts of tariffs on North American trade relations. He called for a focus on import substitution, value-added production, and the empowerment of Mexican SMEs to strengthen the economy and safeguard future investments.

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## [Commerce Secretary Howard Lutnick Signals Steel & Aluminum Tariffs Will Take Effect as Planned](#)

*Updated on : Mar 10, 2025 11:02 am*

Synopsis: Commerce Secretary Howard Lutnick has confirmed that the 25% tariffs on steel and aluminum imports will go into effect on March 12 as scheduled. Despite concerns and requests for exemptions, these tariffs will apply to imports from key suppliers like Canada and Mexico, alongside efforts to address international trade imbalances and illegal imports.

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## [Geopolitical Turbulence & Economic Pressures Reverberate Through Global Shipping & Recycling Markets](#)

*Updated on : Mar 10, 2025 11:02 am*

Synopsis: The global shipping and ship recycling sectors are facing increasing challenges as geopolitical tensions, trade wars, and falling oil prices collide with market demands. The ongoing economic uncertainties have exacerbated the volatility in shipping rates and recycling prices, affecting major international markets and regional

players alike.

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### [Karnataka Government Greenlights Rs 138 Crore Steel Plant in Tumakuru](#)

*Updated on : Mar 10, 2025 11:01 am*

Synopsis: The Karnataka government has approved the establishment of a new steel plant in Tumakuru, set to produce thermo-mechanically treated (TMT) bars, rods, and other steel products. With an investment of Rs 138 crore, this plant will play a vital role in strengthening the state's industrial infrastructure and boosting employment.

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### [CSN Faces \\$172 Million Fine in Brazil for Failure to Reduce Stake in Usiminas](#)

*Updated on : Mar 10, 2025 11:01 am*

Synopsis: CSN, a leading steel producer in Brazil, has been fined \$172 million by a federal court in Minas Gerais for not complying with a directive from the Brazilian competition authority, CADE, to reduce its ownership stake in Usiminas. The fine comes after CSN failed to meet a 2024 deadline for selling its shares, sparking legal and financial challenges.

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### [Heliene & Origami Solar Forge a Pioneering Agreement to Revolutionize US Solar with Steel-Enhanced Modules](#)

*Updated on : Mar 10, 2025 11:00 am*

Synopsis: Heliene Inc. and Origami Solar have entered a multi-year partnership to introduce steel-framed solar modules to the U.S. market. Starting in April 2025, Heliene will offer its bifacial modules with Origami's steel frames, providing a stronger, more sustainable, and cost-effective alternative to aluminum. This collaboration strengthens domestic supply chains, minimizes environmental impacts, and enhances module durability, meeting the growing demand for reliable solar solutions.

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### [Reviving UK's Steel Legacy: Dalzell Mill's Future in Offshore Wind Energy & Beyond](#)

*Updated on : Mar 10, 2025 11:00 am*

Synopsis: The UK's only plate steel mill, Dalzell Steelworks, holds immense potential to become a global leader in producing materials for offshore wind turbines and other vital industries. Union leaders are calling for substantial investment to modernize this mill, ensuring it meets growing demands, particularly in the renewable energy sector. A new

report stresses the need for strategic upgrades to Dalzell, along with government incentives to boost UK steel production for energy, defense, and infrastructure projects.

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### [Gritty Reality of Whyalla Steelworks: KordaMentha's Stark Revelations on the Crumbling Giant](#)

*Updated on : Mar 10, 2025 11:00 am*

Synopsis: The Whyalla steelworks in South Australia, a long-standing pillar of the country's industrial backbone, has plunged into a crisis so deep that even the seasoned administrators from KordaMentha were taken aback. Facing mounting debts, operational breakdowns, and a dangerously underfunded operation, the steelworks was hemorrhaging millions daily before it was placed into administration. The task at hand is now a delicate phase of stabilization, while the government and interested buyers hope to steer the facility toward a future that could secure the livelihoods of thousands of workers.

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### [Sanjeev Gupta's Steel Showdown: Legal Skirmish Over InfraBuild's Fate & GFG's Future](#)

*Updated on : Mar 10, 2025 10:59 am*

Synopsis: A fierce legal and financial dispute has emerged between Sanjeev Gupta, head of GFG Alliance, and administrators of Greensill Capital regarding the control of InfraBuild, a crucial Australian steel manufacturer. The outcome of this battle could determine the future of Gupta's business empire amid the fallout from Greensill's collapse and ongoing investigations into possible financial misconduct.

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### [Dr. Salim G Purushothaman Takes Helm as Director \(Operations\) at RINL](#)

*Updated on : Mar 10, 2025 10:58 am*

Synopsis: Dr. Salim G Purushothaman has officially taken charge as the Director (Operations) at RINL, the corporate entity of Visakhapatnam Steel Plant. With a robust career in the steel and energy sectors, his appointment signals a new phase for RINL, focusing on operational excellence and modernization.

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### [Jorge Oliveira Takes the Helm as President of ArcelorMittal Brazil](#)

*Updated on : Mar 10, 2025 10:58 am*

Synopsis: Jorge Oliveira is set to become the new President of ArcelorMittal Brazil

starting April 1. He will succeed Jefferson De Paula, who will continue his role within the company as a member of both the Brazil and ArcelorMittal Acindar boards. Additionally, Everton Negresio is appointed as the CEO of ArcelorMittal Long Steel and Mining LATAM.

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### [Drone Strike Targets Novolipetsk Metallurgical Plant & Ryazan Oil Refinery Amid Rising Tensions](#)

*Updated on : Mar 10, 2025 10:56 am*

Synopsis: On March 9, 2025, a coordinated drone attack targeted key Russian industrial facilities, including the Novolipetsk Metallurgical Plant and Ryazan Oil Refinery. These plants are integral to the military supply chain, with Novolipetsk specifically providing metal products for military equipment. Authorities have confirmed the attacks, with air danger warnings issued across the region.