

[The Dawn of 2025, Part 15: China's Transforming Role in Global Steel Markets by 2025](#)

Updated on : Jan 25, 2025

Synopsis: China, the world's largest steel producer, has long shaped global steel dynamics. As the steel industry in China faces increasing pressures from environmental regulations, market shifts, and evolving demand trends, we delve into the changes expected in 2025. This article explores China's evolving role in global steel production, key regulatory shifts, the push for sustainable practices, and the market adjustments needed to maintain its dominant position in a rapidly transforming industry.

[Xi Jinping Stresses Steel Industry's Vital Role in China's Economic Backbone](#)

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Synopsis: On January 23, 2025, Chinese President Xi Jinping emphasized the steel industry's importance as a foundational sector for China's economy during his visit to a cold rolling mill in Liaoning Province. He stressed the need for modernization, technological innovation, and industrial transformation in the steel industry to support China's economic growth.

[Global Steel Production in 2024: A Comprehensive Breakdown by Region & Country](#)

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Synopsis: Crude steel production worldwide for 2024 totaled 1,882.6 million metric tons, marking a slight decrease of 0.8% from the previous year. The month of December alone saw significant regional disparities, with countries in Asia and Oceania posting gains, while North America, Russia, and Europe, Other regions experienced declines. This detailed article covers production figures for all regions and countries, offering insights into both global and regional steel industry trends.

[Furnace Explosion Triggers Fire at Iranian Steel Smelting Facility, No Casualties Reported](#)

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Synopsis: A furnace explosion at the Arfa steel smelting facility in Ardakan, Iran, caused a fire, but no injuries were reported. The furnace operator only experienced the shockwave from the explosion. The incident highlights ongoing risks in industrial facilities despite safety protocols.

JSW Steel Faces Steep Profit Decline Despite Record Production & Sales Growth

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Synopsis: JSW Steel, under the leadership of Sajjan Jindal, reported a dramatic 70% drop in net profit for the October-December quarter due to rising expenses, despite setting production and sales records. The company also highlighted challenges posed by lower steel prices and increased imports, especially from China.

Essar Group to Boost US Steel Investment by \$650 Million: A Vision for Sustainable Growth

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Synopsis: Essar Group, led by Prashant Ruia, has revealed plans to invest an additional \$650 million into its Minnesota steel plant, complementing a previous \$1.7 billion investment. The company is focused on green energy, digitalisation, and technology in both the US and India, underscoring a commitment to long-term growth in these markets.

Salzgitter AG Faces Potential Takeover: GP Günter Papenburg Consortium Offers €18.50 per Share

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Synopsis: Salzgitter AG is currently in discussions with the GP Günter Papenburg Aktiengesellschaft and TSR Recycling GmbH & Co. KG consortium after they submitted a non-binding takeover offer. The proposed offer price stands at €18.50 per share, and the company is reviewing this offer as part of the potential takeover process.

CSN Expands Horizons with Acquisition of Portuguese Steel Producer GramPerfil

Updated on : Jan 25, 2025

Synopsis: Brazil's Companhia Siderúrgica Nacional has acquired the Portuguese steel profile producer GramPerfil, marking a strategic move to enhance its capabilities in civil construction and energy sectors, as well as strengthening its international presence, especially in Europe, North Africa, and Portuguese-speaking African nations.

Baosteel's PLTCM Modernization: A Digital Leap into Future-Proof Steel Production

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Synopsis: Baosteel, the world's largest steel producer, is upgrading its PLTCM at its Baoshan plant in Shanghai with the help of Primetals Technologies. This extensive modernization focuses on electrics, automation, and digitalization, ensuring the plant meets future production needs while improving efficiency and quality. The project, which includes a high-tech Central Operation Cockpit, is expected to be completed by early 2026.

JSW Steel Reveals Updated Key Managerial Personnel List for Disclosure Purposes

Updated on : Jan 25, 2025

Synopsis: JSW Steel has revised its list of Key Managerial Personnel authorized to determine the materiality of events and make disclosures to stock exchanges under the 2015 Listing Regulations. This updated list includes high-level executives, such as the Chairman & Managing Director and Chief Financial Officer, along with their contact details.

Ulbrich Stainless Steels Names Jon Ulbrich as CEO, Ushering in New Era of Growth

Updated on : Jan 25, 2025

Synopsis: Ulbrich Stainless Steels & Special Metals, a leader in precision metals, announces Jon Ulbrich as its new CEO. This transition marks the next chapter for the

company as Chris Ulbrich steps down after 47 years of leadership, moving to the role of Chairman of the Board. The leadership change is part of Ulbrich's strategic plan to continue expanding and ensuring long-term success.

Olympic Steel Elevates Brant Harbert to General Manager of Key Ohio Facilities

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Synopsis: Olympic Steel has announced the promotion of Brant Harbert to General Manager for its Bedford Heights and Dover, Ohio facilities. Harbert's decade-long tenure at the company reflects his impactful contributions, which include driving regional growth and operational improvements. His promotion follows the rise of Kevin Miller to another leadership role.

Trump's Wind Order: A Looming Challenge to US Steel Demand & Offshore Wind Industry

Updated on : Jan 25, 2025

Synopsis: President Donald Trump's executive order halting new offshore wind energy leases could impact U.S. steel demand, particularly for companies like Nucor and JSW USA, which have invested in producing steel for wind turbine foundations. This order threatens to disrupt the growing offshore wind industry and steelmakers' operations targeting wind energy projects.

USW Union Condemns US Tariff Proposal: A Threat to North American Prosperity

Updated on : Jan 25, 2025

Synopsis: The United Steelworkers union of Canada strongly opposes US President Donald Trump's proposal for a 25% tariff on steel, warning it would harm industries, workers, and communities in both the U.S. and Canada. The USW urges swift action to protect jobs and business stability.

WSM Supports 'SOS Industries' to Revive Germany's Struggling SMEs Amid Crisis

Updated on : Jan 25, 2025

Synopsis: Germany's association of steel and metals fabricators, WSM, is backing the "SOS Industries" campaign to highlight the critical situation facing the country's small and medium-sized enterprises. The campaign calls for urgent attention to the industrial sector and will culminate in a rally at Berlin's Brandenburg Gate on January 29, 2025.

Swiss Steel Group Faces Exit from Stock Exchange Amid Crisis & Redundancy Plans

Updated on : Jan 25, 2025

Synopsis: Swiss Steel, the Lucerne-based steel company, is set to delist from the stock exchange after facing significant financial challenges, including ongoing redundancies. This move reflects the company's efforts to restructure amid tough economic conditions.

Blue Steel Expands Horizons: New Manufacturing Facility in Byhalia, Mississippi

Updated on : Jan 25, 2025

Synopsis: Blue Steel Manufacturing, a family-owned metal building company based in Tennessee, has expanded into Mississippi with a new facility in Byhalia. This marks their first location outside of Tennessee, aimed at better serving customers in the broader region of north Mississippi, west Tennessee, and east Arkansas. The new facility will offer a variety of metal building products and services for both residential and commercial use.

Steel Dynamics Triumphs as a Global Leader in Sustainability in 2025 Global 100 List

Updated on : Jan 25, 2025

Synopsis: Steel Dynamics has been named one of the world's most sustainable corporations in Corporate Knights' 2025 Global 100 list, ranking 29th overall and leading the steelmaking industry. This recognition highlights the company's commitment to sustainability, innovative solutions, and operational excellence.

Taiichio&Wolf Projects Triumphs as SME of the Year 2024 in Valencia

Updated on : Jan 25, 2025

Synopsis: Taiichio&Wolf Projects has been honored with the prestigious "SME of the Year 2024" award in Valencia, recognizing the company's contributions to Spain's economy and its innovative work in renewable energy, especially in offshore wind and floating solar platform projects. This accolade puts them in the running for the National SME of the Year award.

Tata BlueScope Steel: Pioneering Sustainable Innovation in India's Expanding Infrastructure

Updated on : Jan 25, 2025

Synopsis: Tata BlueScope Steel, a joint venture between Tata Steel and BlueScope Steel, is revolutionizing India's construction industry with eco-friendly, innovative steel products. Established in 2005, the venture has become a key player in the sustainable building technologies space, positioning itself for continued growth in India's booming infrastructure sector.

Dongkuk Steel Mill Faces Sharp Profit Dip Amid Industry Recession

Updated on : Jan 25, 2025

Synopsis: Dongkuk Steel Mill's 2023 operating profit plummeted by 56.5% to 102.5 billion won, with sales up by 34%, but net income down by 75.5%. The company attributes its poor performance to the ongoing recession in the construction sector, especially in the latter half of the year.

Sandvik's Q4 2024 Results Show Steady Growth Amidst Global Challenges

Updated on : Jan 25, 2025

Synopsis: In its fourth-quarter 2024 interim report, Sandvik achieved solid growth in order intake and revenue, with a slight increase in both adjusted EBITA and net profit. Despite global challenges, the company demonstrated resilience, showing positive momentum in its operations.

Interpipe's Resilient \$83 Million Investment Amid Wartime Challenges

Updated on : Jan 25, 2025

Synopsis: Interpipe, a Ukrainian steel producer, has invested \$83 million in product quality and new production lines since the start of the war, despite operating under harsh military conditions. The company continues to overcome significant challenges, such as staff shortages and lack of wartime insurance, while maintaining its commitment to quality and innovation.

Suez Canal Poised for Full Resumption as Global Trade Stabilizes

Updated on : Jan 25, 2025

Synopsis: The Suez Canal is set to return to full operation after stabilizing tensions in key maritime regions. Following a challenging period, the canal's traffic and revenue are expected to recover, with operational enhancements and improved stability in global trade routes.

UK Revokes Safeguard on Cold-Rolled Sheets as Domestic Production Halts

Updated on : Jan 25, 2025

Synopsis: The UK has decided to revoke its safeguard measures on cold-rolled sheets after its sole producer, Tata Steel, ceased production for the domestic market. This decision follows a review by the Trade Remedies Authority, reflecting a shift in circumstances and evidence suggesting no serious harm to UK producers.

Indonesia Approves Nickel Mining Quota Increase: A Surge in Global Supply

Updated on : Jan 25, 2025

Synopsis: Indonesia has approved a nickel mining quota of 0.2985 billion metric tons for 2025, a rise from last year's 0.27189 billion metric tons. This move signals a continued push in production, reinforcing Indonesia's dominance as the world's largest nickel producer.

Decoding the Deformation Anisotropy of Additively Manufactured 316 L Stainless Steel via In Situ Neutron Diffraction

Updated on : Jan 25, 2025

Synopsis: This article explores the mechanical properties and microstructural behavior of 316 L stainless steel manufactured using selective laser melting. Using in situ neutron diffraction, the study reveals significant tensile strength differences and anisotropy based on printing direction, offering key insights for the optimization of additive manufacturing processes.

Machine Learning & 3D Printing Converge to Forge Ultra-Strong, Foam-Like Materials with Steel Strength

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Synopsis: Researchers at the University of Toronto have pioneered a breakthrough in material science by developing nano-architected materials that combine the exceptional strength of carbon steel with the lightweight properties of Styrofoam. Utilizing machine learning and 3D printing, they've designed materials with superior strength-to-weight ratios, with potential applications in aerospace, automotive, and beyond.

Eco-Friendly Defense: Avocado Extract as a Corrosion Inhibitor for Carbon Steel in Salty Formation Water

Updated on : Jan 25, 2025

Synopsis: This study explores the potential of avocado extract as an environmentally friendly corrosion inhibitor for carbon steel in salty formation water sourced from West

Egyptian petroleum fields. Using a combination of techniques, the research demonstrates that avocado extract significantly reduces corrosion, offering an effective and sustainable alternative for industrial applications.

Precision Predictability: Symbolic Regression Enhances Eccentric Strength of Concrete-Filled Steel Tubes

Updated on : Jan 25, 2025

Synopsis: This study introduces a symbolic regression model to predict the strength of eccentric concrete-filled steel tubular columns, enhancing the accuracy of traditional design code formulas. The model merges experimental data and code-based principles, offering an interpretable and reliable solution for engineers involved in the design of these crucial structural elements.