

### [Tenova Revolutionizes Walking Beam Furnace for High-Quality Electrical Steel Production at thyssenkrupp](#)

*Updated on : Mar 27, 2025 11:29 am*

Synopsis: Tenova has successfully modernized a Walking Beam Furnace at thyssenkrupp Steel's Bruckhausen Plant in Duisburg, Germany, boosting production capabilities, improving product quality, and enhancing energy efficiency. The upgrade also focuses on reducing environmental impact with advanced technologies such as UltraLowNOx burners and automated descaling systems. This modernization aligns with thyssenkrupp's goals for a more sustainable and energy-efficient steel production process.

[Read on...](#)

### [Egypt & China Seal \\$1.65B Deal for Steel Factories in Suez, Paving Future of Industry](#)

*Updated on : Mar 27, 2025 11:29 am*

Synopsis: Egypt has entered into a \$1.65 billion agreement with China to build new steel factories in the Suez region, a move set to boost the country's steel production capabilities. This partnership will enhance Egypt's industrial infrastructure, create jobs, and strengthen economic ties between the two nations.

[Read on...](#)

### [Bedi Steels Set to Launch 70,000-Metric Ton Capacity Rolling Mill in Ludhiana](#)

*Updated on : Mar 27, 2025 11:29 am*

Synopsis: Bedi Steels will soon begin production at its new steel rolling unit in Ludhiana, Punjab, with a capacity of 70,000 metric tons. The facility will manufacture a wide range of products, including round bars, square bars, hex bars, and flat bars, serving various industries such as automotive, construction, and aerospace.

[Read on...](#)

### [Paralloy Group Secures Loan to Propel Teesside's Economy and Stainless Steel Production](#)

*Updated on : Mar 27, 2025 11:28 am*

Synopsis: Paralloy Group, a stainless steel alloy manufacturer based in Teesside, has secured a significant seven-figure loan from the Teesside Flexible Investment Fund. This investment, aimed at boosting the local economy, marks the first disbursement from the £20 million fund, which was launched last year to support regional growth.

[Read on...](#)

### [Virginia's TST Fabrication Boosts Local Economy with \\$3 Million Expansion](#)

*Updated on : Mar 27, 2025 11:28 am*

Synopsis: Governor Glenn Youngkin of Virginia announced that TST Fabrication and Machine, a veteran-owned company specializing in metal fabrication for the Navy, will invest \$3 million in expanding its Norfolk headquarters. This expansion will create 56 new jobs, contributing to both national defense efforts and the local economy.

[Read on...](#)

### [Brescia's Steel Supremacy: Dominating Lombardy's Industry with 54% of Regional Output](#)

*Updated on : Mar 27, 2025 11:27 am*

Synopsis: In 2024, Brescia's steel industry produced 5.4 million metric tons of steel, accounting for 54% of Lombardy's total production and 27% of Italy's national output. This dominance showcases the region's economic significance, especially through sustainable production methods using electric furnace technology.

[Read on...](#)

### [US Steel Imports Drop in February 2025, While Key Products See Growth](#)

*Updated on : Mar 27, 2025 11:27 am*

Synopsis: The U.S. imported 2,235,000 net tons of steel in February 2025, showing a decline in total and finished steel imports compared to January. However, year-to-date and 12-month figures show increases in imports, with notable growth in specific steel products like tin plate and galvanized sheets.

[Read on...](#)

### [TRA Expands Review of UK Steel Safeguard Measures Amid New Evidence from Industry](#)

*Updated on : Mar 27, 2025 11:27 am*

Synopsis: The Trade Remedies Authority has expanded its review of the UK's steel safeguard measures to account for new evidence submitted by UK Steel. The review, focusing on potential changes to tariff rate quotas, is driven by claims of market shifts, including a 3% decline in global steel demand and a 16% reduction in the UK's steel demand over the past five years. The TRA will now consider whether changes to the safeguard tariffs are necessary, with public submissions accepted until 9 April 2025.

[Read on...](#)

### [Metinvest Bolsters Ukraine's Defense with Steel Products for Armed Forces](#)

*Updated on : Mar 27, 2025 11:26 am*

Synopsis: Metinvest, a leading Ukrainian steel producer, has been integral in supplying steel products to support Ukraine's military efforts. Products like anti-tank hedgehogs, body armor plates, dugout modules, and armored vehicle shields are crafted using steel from Zaporizhstal and Kametstal. This ongoing production has been a crucial part of Ukraine's defense strategies amidst the full-scale invasion.

[Read on...](#)

### [SSAB & Ruukki's Continued Commitment: Roofing Support for Ukrainian Families in Mykolaiv](#)

*Updated on : Mar 27, 2025 11:26 am*

Synopsis: Despite the ongoing conflict in Ukraine, SSAB and Ruukki Construction have stayed committed to supporting reconstruction efforts by providing essential roofing materials for war-damaged homes. Through a partnership with OperationAid, this year alone, 3,000 square meters of SSAB color-coated steel roofing has been donated and installed on apartment buildings in Mykolaiv. This initiative ensures Ukrainian families can return to safe and secure homes as they rebuild their lives amidst the devastation.

[Read on...](#)

### [Inscapes Landscaping Firm Accelerates Growth with Major Investment from UKSE](#)

*Updated on : Mar 27, 2025 11:25 am*

Synopsis: Inscapes, a leading Welsh landscaping firm based in Bridgend, is poised for significant expansion after receiving a £100,000 investment from Tata Steel subsidiary UKSE. This funding will support the company's growth, creating 40 new jobs over the next three years. Inscapes, with an impressive portfolio that includes high-profile venues such as Kew Gardens and Parliament Square, plans to expand its workforce and increase turnover significantly. This article delves into the company's future growth, their diverse offerings, and how the UKSE investment fuels this exciting new chapter.

[Read on...](#)

### [Klauer Manufacturing Revolutionizes Weather Defense with Premium Steel Siding Solutions](#)

*Updated on : Mar 27, 2025 11:25 am*

Synopsis: As extreme weather conditions become more frequent, Klauer Manufacturing Company is offering a robust solution for homeowners through its premium steel siding products. Available in Classic, Prestige, and Elite finishes, the steel siding provides long-lasting protection against various weather challenges, including rain, hail, heat, fires, and freezing temperatures. With its durability, moisture resistance, and ability to

withstand high winds, Klauer's steel siding is an investment in both home security and environmental sustainability.

[Read on...](#)

### [Enhancing Steel Surface Defect Detection Using Multi-Layer Fusion Networks Based on YOLOv5](#)

*Updated on : Mar 27, 2025 11:25 am*

Synopsis: The detection of defects on steel surfaces is crucial for maintaining product quality and safety in industrial production. This article discusses a new approach based on enhancing the YOLOv5 deep learning model, integrating the RepBi-PAN fusion network and DenseNet for improved accuracy in detecting steel surface defects, especially for small and large targets in complex environments.

[Read on...](#)

### [Evaluating 5-Imino-1,2,4-Dithiazolidine-3-Thione for Corrosion Inhibition of Mild Steel in Acidic Solutions](#)

*Updated on : Mar 27, 2025 11:24 am*

Synopsis: This study evaluates 5-imino-1,2,4-dithiazolidine-3-thione as a highly effective corrosion inhibitor for mild steel in 1.0 M HCl solution. Using experimental techniques like weight loss measurements, electrochemical studies, and density functional theory calculations, the research reveals IDTT's remarkable ability to reduce corrosion rate and inhibit both anodic and cathodic reactions. IDTT's molecular interactions with mild steel surface provide strong protection, suggesting its potential for industrial applications in acidic environments.