

Germany's Green Steel Dilemma: Habeck vs Merz on the Future of Steel Production

Updated on: Jan 15, 2025

Synopsis: The future of Germany's steel industry is at a crossroads, with Robert Habeck, the Green Party candidate for Chancellor, advocating for a shift to climate-neutral steel and hydrogen production, while Friedrich Merz, CDU/CSU's candidate for Chancellor, questions the feasibility of such a rapid transformation. This debate is crucial to Germany's industrial future, with job security, economic growth, and national competitiveness at stake.

thyssenkrupp's Green Steel Future: Resilient Plans Amid Hydrogen Uncertainty

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Synopsis: thyssenkrupp has expressed confidence that its planned green steel site in Duisburg, valued at approximately €3 billion, could proceed even without the rapid development of hydrogen infrastructure. While the German government's push for hydrogen as a decarbonization tool faces challenges, thyssenkrupp remains committed to transitioning to greener steel production, including using natural gas as an alternative to hydrogen.

SSAB Quietly Withdraws from \$500 Million Green Steel Funding Negotiations in Mississippi

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Synopsis: SSAB, a Swedish steelmaker, has silently backed out of the negotiations for up to \$500 million in federal funding that was initially allocated under the Biden administration's Industrial Demonstrations Program. This leaves the future of SSAB's ambitious green steel project in Mississippi in limbo, raising questions about the challenges faced by green hydrogen and decarbonization efforts in the steel industry.

Forging a Green Future: RBB Steel & ArcelorMittal Partner to Cut CO₂ Emissions

Updated on: Jan 15, 2025

Synopsis: RBB Steel Service Centre and ArcelorMittal Europe – Flat Products have signed a Memorandum of Understanding to reduce CO₂ emissions in the supply chain using XCarb® solutions. This partnership marks a key step towards decarbonisation in Poland's steel industry.

Scunthorpe's Steel Future: The Prospects of Two New Electric Arc Furnaces

Updated on: Jan 15, 2025

Synopsis: Scunthorpe's MP, Sir Nic Dakin, is hopeful that British Steel will build two new electric arc furnaces at the town's steelworks. These furnaces are part of the company's decarbonization plans, replacing traditional blast furnaces. British Steel has confirmed that discussions with the government are ongoing but no final decision has been made yet.

Green-Steel Hubs: A Bold Vision to Alleviate the Steel Industry's Carbon Crisis

Updated on: Jan 15, 2025

Synopsis: Green-steel hubs, regions with access to low-cost energy and sustainable resources, are emerging as a promising strategy to decarbonise the steel industry. These hubs, combined with innovative technologies like direct reduced iron production and electric arc furnaces, could significantly reduce global steel emissions and transform the industry's future.

Alleima Partners with Preem in Pioneering Green Aviation Fuel Transition

Updated on: Jan 15, 2025

Synopsis: Alleima is set to supply Preem with heat exchanger tubes for the conversion of its Lysekil refinery, marking a key milestone in Sweden's green energy transition. The project aims to make Preem the largest producer of renewable jet fuel in Northern Europe and significantly reduce carbon emissions. The heat exchanger tubes will use Alleima's advanced material, Sanicro® 35, designed to withstand the high demands of renewable fuel production.

Greener Steel, Lithium, & Graphite: Western Australia's A\$34 Million Push for a Decarbonised Future

Updated on: Jan 15, 2025

Synopsis: The Western Australian government has announced a major \$34 million investment into three cutting-edge decarbonisation projects, focusing on steel production, lithium extraction, and graphite supply chains. These initiatives aim to reduce emissions, boost local green industries, and position the state as a leader in clean energy and sustainable production.

Powering the Future: SunVest Solar & Charter Steel's Groundbreaking 19.5 MW Solar Project

Updated on: Jan 15, 2025

Synopsis: SunVest Solar has completed the construction of a 19.5-megawatt solar project at Charter Steel's Saukville facility, marking the largest behind-the-meter solar installation in Wisconsin. This project significantly enhances Charter Steel's efforts to reduce environmental impact by using clean, local electricity for its steel production, while also lowering operational costs.

Fracking Mogul's Climate Views: A Troubling Nomination for US Department of Energy Leadership

Updated on: Jan 15, 2025

Synopsis: Chris Wright, CEO of a prominent fracking firm, has been nominated to lead the US Department of Energy. His climate skepticism, alongside his dismissal of environmental concerns and energy transition efforts, raises alarm about the future direction of US energy policy and its potential impact on climate change action.

Renewable Revolution: IRENA Assembly Accelerates Global Transition to Sustainable Energy in 2025

Updated on: Jan 15, 2025

Synopsis: The 15th IRENA Assembly in 2025 convened over 1500 energy leaders from 140 countries to turbo-charge the global transition to renewable energy. Despite significant growth in renewables, challenges persist, particularly in developing nations, requiring urgent investments, policy changes, and multilateral collaboration to meet global climate targets.

[Polling the Politics of Net Zero: Unraveling EU & UK Views on Climate Change](#)

Updated on: Jan 15, 2025

Synopsis: A survey conducted across the UK and seven EU nations reveals significant public concerns about achieving net-zero emissions. While most citizens support climate action, skepticism is growing about governments' ability to meet carbon-reduction goals, especially given China's inaction. This article delves into the key findings of the survey, explores public trust in climate policies, examines policy preferences, and highlights the potential role of technology in supporting net-zero strategies.

[Amazon's Groundbreaking Green Logistics: A Quantum Leap Towards Zero-Emission Deliveries](#)

Updated on: Jan 15, 2025

Synopsis: Amazon has expanded its zero-exhaust emission delivery network in the UK, marking the largest-ever order of electric heavy-goods vehicles and launching electric rail and on-foot deliveries. This move forms part of the company's broader efforts to reduce carbon emissions, traffic congestion, and improve air quality as part of its commitment to achieving net-zero carbon emissions by 2040.

[Ice-Melt-Induced Volcanic Fury: How Antarctica's Shifting Ice Sheets Could Stir Underlying Volcanoes](#)

Updated on: Jan 15, 2025

Synopsis: A new study warns that the melting of Antarctica's ice sheets could trigger volcanic eruptions beneath, especially if ice melts rapidly. While volcanoes are traditionally driven by deep Earth forces, the weight of the ice pressing down on magma

chambers may influence volcanic activity. This study suggests that even slow melting of ice could lead to eruptions over time, with serious implications for both volcanic activity and global climate change.