

Trump's Energy Strategy: Pulling Out of the Paris Accord & Pushing for US Energy Supremacy

Updated on: Jan 21, 2025

Synopsis: President Trump reaffirmed his decision to pull the United States out of the Paris Climate Accord, emphasizing a focus on energy dominance, increased oil and gas drilling, and reversing Biden-era emission regulations. He believes these policies will reduce energy costs and strengthen the US economy while challenging international climate action.

The Unyielding Surge: 2024's Soaring CO₂ & the Challenges to Climate Targets

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Synopsis: In 2024, carbon dioxide concentrations saw an alarming rise, defying predictions and pushing atmospheric levels closer to dangerous thresholds. Despite some natural processes slowing the increase, the global emissions trajectory remains incompatible with Paris Agreement targets, highlighting urgent calls for drastic emissions cuts to avoid exceeding 1.5°C of global warming.

EPP Urges Streamlining EU Climate Policies to Safeguard Economic Competitiveness

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Synopsis: The European People's Party calls for a simplification of the EU's climate policies, including suspending certain sustainability reporting requirements and abolishing mandatory renewable energy targets. These measures aim to alleviate burdens on businesses and boost economic competitiveness, particularly for small and medium-sized enterprises.

ArcelorMittal Duisburg Ends Pig Iron Deal with Thyssenkrupp Over Rising Carbon Costs

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Synopsis: ArcelorMittal Duisburg will no longer purchase pig iron from Thyssenkrupp due to the high carbon costs tied to the supply chain. This decision, effective after the current contract ends in September 2027, reflects broader challenges faced by the European steel industry, including high CO₂ emissions costs and investment delays in green technologies.

Blue Hydrogen: A Mirage for Steel's Green Future Amid Fossil Fuel's Grip

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Synopsis: Blue hydrogen, once seen as a potential game-changer in steel decarbonization, is now being scrutinized for its inability to meet emissions targets and its reliance on fossil fuels. With carbon capture technology underperforming and methane emissions exacerbating the problem, steelmakers face the risk of being locked into an unsustainable future. Green hydrogen, despite its higher costs, offers a more promising and long-term solution to reducing steel sector emissions.

Lhyfe & Atmen Forge a New Era of Hydrogen Transparency with Digital Product Passports

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Synopsis: In a groundbreaking collaboration, Lhyfe and Atmen have set a new standard for transparency in the hydrogen industry. Lhyfe's green hydrogen will now be traceable with a Digital Product Passport, ensuring full visibility into its carbon footprint and renewable sourcing. This partnership aims to enhance trust and advance Lhyfe's journey toward achieving the highly sought-after RFNBO certification.

BlackRock's New Fund Targets Green Steel & Decarbonising Materials for Low-Carbon Future

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Synopsis: BlackRock has launched a new low-carbon "transition" fund aimed at investing in companies that are decarbonising key materials like steel, targeting industries with high emissions but credible plans to reduce their carbon footprint. The fund, which focuses on low-carbon technologies and decarbonising materials supply, aims to capitalize on the green transition in the steel industry and other high-emission sectors.

Ukraine's Economic Strain: How the CBAM Could Slash GDP by 6.4% by 2030

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Synopsis: A study reveals that Ukraine could face significant economic setbacks from the European Union's Carbon Border Adjustment Mechanism. The expected loss in GDP by 2030 is 6.4%, driven by challenges in exporting to the EU and the associated costs.

BIR Opposes EU Scrap Export Restrictions, Warns of Sustainability Risks

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Synopsis: The Bureau of International Recycling joins European Steel Association, European Aluminium, and EuRIC in opposing the European Union's potential export restrictions on scrap metal. BIR argues that such measures would harm global sustainability and disrupt the recycling industry.

Emission Rules & Trade Strains: The 2025 Auto Industry's Growing Pains

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Synopsis: The automotive sector faces significant hurdles in 2025, with strict emission regulations and escalating trade tensions, especially in the electric vehicle market. According to Gartner, carmakers must navigate these issues while continuing to focus on electrification and software development, potentially reshaping global manufacturing and supply chains.

SF-SO's Thin Furniture: Modular Metal Shelving That Defies Expectations with Weightlessness

Updated on: Jan 21, 2025

Synopsis: SF-SO, a design duo, has introduced a minimalist and modular furniture series called Thin, which is constructed from 1.6mm-thick metal sheets but can support over 100 kilograms of weight. The innovative design combines aesthetics and functionality while allowing for easy assembly and compact shipping.

Copper: The Silent Power Behind AI & Data Centre Growth

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Synopsis: As AI and generative AI technologies drive rapid growth in data centres globally, the demand for copper is surging. Copper is critical in powering, cooling, and constructing these facilities, which are essential for supporting AI's advanced processing needs. With data centre construction on the rise, copper consumption is set to skyrocket, making it a crucial commodity for the future.

UK's Submarine Disposal Revamp: Tackling Legacy Backlog with Innovation & Sustainability

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Synopsis: The UK Government has committed to addressing the backlog of decommissioned submarines, with 23 vessels awaiting dismantling. A key project at Rosyth aims to safely and sustainably dismantle these submarines, with the first completed dismantling of HMS Swiftsure set to be a milestone. The program will reuse or recycle 90% of the submarine's components, reducing environmental impact and ensuring long-term job creation.