

2024: The Inferno of Climate Chaos Reaches New Heights

Updated on: Jan 16, 2025

Synopsis: 2024 has been declared the hottest year on record, surpassing the previous year's high. Amidst this alarming trend, catastrophic wildfires in Southern California, particularly in Los Angeles, left thousands of people homeless and destroyed entire communities. Experts like Peter Kalmus and UN Secretary-General António Guterres emphasize the urgency of climate action, holding governments and corporations accountable for the devastation caused by fossil fuel reliance.

A 'Purr-fect' Solution: Historic London Church Finds Path to Net Zero Emissions

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Synopsis: St. Paul's Church in Covent Garden, known as the Actors' Church, is reducing its carbon footprint as part of a major renovation project. With inspiration drawn from St. Peter Mancroft in Norwich, the church plans to replace its outdated oil heating system with air source heat pumps, cutting emissions while preserving its historic charm.

Türkiye's Bold Move: TIDIP Aims for Green Transformation in Steel & Heavy Industry

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Synopsis: Türkiye has launched a major decarbonisation initiative, TIDIP, to reduce carbon emissions in its most carbon-intensive industries, including steel, cement, and aluminium. Backed by EUR 5 billion in investment, the project is set to cut 20 million metric tons of carbon emissions annually by 2030, positioning Türkiye to align with international environmental standards and boost its industrial competitiveness.

HBIS XuanHua Launches Low-Carbon Steel Production with Advanced Slab Caster

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Synopsis: HBIS XuanHua, in collaboration with Primetals Technologies, has successfully launched a new slab caster with an annual capacity of 1.5 million metric tons, two weeks ahead of schedule. The caster will produce low-carbon steel, particularly for the automotive industry, featuring advanced automation and casting technology to ensure high quality and sustainability.

E-Trucks Herald a New Era of Sustainable Steel Deliveries by SSAB in Finland

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Synopsis: SSAB Europe, in collaboration with Kuljettava Oy, has launched its first electric truck deliveries from its Hämeenlinna Works in Finland. This milestone marks a significant step in electrifying heavy-duty transport, contributing to reduced transport emissions and aligning with SSAB's sustainability goals.

Siemens Powers Italy's Green Mobility Revolution with Groundbreaking Electrification Projects

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Synopsis: Siemens eMobility is leading Italy's transition to green mobility through two major electrification initiatives, which involve the installation of 73 charging points for Autolinee Toscane's zero-emission bus fleet in Tuscany and the deployment of advanced infrastructure across 120 IPLANET service sites. This comprehensive effort aims to support sustainable public transport and transform petrol stations into eco-friendly hubs, reinforcing Siemens' commitment to sustainable transportation solutions.

GE Vernova's Groundbreaking 100% Hydrogen-Fueled DLN Combustor: A Leap Towards Decarbonizing Gas Turbines

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Synopsis: GE Vernova has successfully completed its validation tests for a new Dry Low NOx combustion technology that can operate on 100% hydrogen in B- and E-Class gas turbines. The technology, developed in Greenville, South Carolina, reduces emissions significantly while improving efficiency, with the first commercial solutions expected by 2026. This innovation marks a significant step toward decarbonizing industrial operations by making hydrogen fuel a viable alternative for gas turbines.

Hidden Impact: Revealing the Unseen Scale of the Nord Stream Methane Leak

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Synopsis: New research reveals the true scale of the 2022 Nord Stream pipeline methane leak, which was nearly double initial estimates. Scientists from the University of Leeds helped track this leak, discovering it to be the largest single methane release ever recorded, equivalent to the emissions of eight million cars.

Marine Protection in 2024: Progress Still a Drop in the Ocean

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Synopsis: Despite the global goal to protect 30% of the world's oceans by 2030, marine conservation efforts in 2024 remain insufficient. While several new marine protected areas were established, the world still needs to protect much more of its oceans to meet the 30% target.