

FOR IMMEDIATE RELEASE

New AI Solution Unveiled at Web Summit 2024 Aims to Significantly Reduce Methane Emissions

Innovative technology supports global decarbonization efforts in the energy sector

November 12, 2024 — Geminus, a leader in AI-driven optimization solutions for industrial enterprises, proudly introduces its latest breakthrough in reducing methane emissions: the **Physics-informed AI (PiAI) Well Network Optimizer**. This cutting-edge solution is designed to help energy companies significantly curb methane emissions while improving operational efficiency.

By leveraging Geminus' advanced, high-precision deep learning models, the PiAI Well Network Optimizer identifies and addresses operational inefficiencies that contribute to methane flaring. Through AI-driven optimization of natural gas networks, the solution not only reduces methane emissions and flaring but also enhances overall network performance, leading to reduced energy consumption and related greenhouse gas emissions.

“Energy sector operations contribute roughly 10% of global greenhouse gas emissions, our PiAI Well Network Optimizer offers a critical tool for companies dedicated to minimizing their environmental impact while maintaining high operational standards,” said **Greg Fallon, CEO of Geminus AI**. “We’re empowering energy companies with innovative, sustainable technologies to address this global challenge head-on.”

Natural gas remains a key component in the transition to a low-carbon economy, yet methane emissions from production are a major driver of global warming. The PiAI Well Network Optimizer tackles this issue by using AI to monitor, predict, and optimize pipeline operations in real-time, delivering actionable insights that reduce methane emissions and flaring, all while ensuring consistent energy output.

To learn more about Geminus and its suite of AI solutions, visit www.geminus.ai.

About Geminus

Geminus is at the forefront of industrial AI innovation, transforming sectors with its next-generation engineering foundation models. By integrating physics-based reasoning with AI, Geminus enables industrial enterprises to interpret and respond to real-world physical challenges, driving operational efficiency and innovation. Geminus has demonstrated success across industries such as energy, mobility, and semiconductors.

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