

InCommodities uses Gefion to advance AI-powered weather forecasting for energy markets

Energy trading firm InCommodities now has access to Denmark's AI supercomputer, Gefion, through the Danish Centre for AI Innovation (DCAI). The additional compute capacity will enable the company to accelerate the development of its AI-driven weather forecasting models for energy markets.

As renewable energy continues to account for a growing share of the energy mix – supplying nearly half of all electricity consumed in the EU in 2024 – weather conditions play a central role in shaping power generation, demand, and market dynamics. Timely and accurate weather forecasts are therefore becoming essential to understanding and navigating energy markets.

Access to the large-scale AI compute capabilities of Gefion will enable InCommodities to train and develop deep learning models at significantly greater speed and scale than previously possible.

"As energy markets become increasingly complex and dependent on weather and renewable generation, access to AI infrastructure at this scale expands what we can build and how fast we can iterate and deploy

new forecasting capabilities," said Daniel Borup Andersen, CEO of InCommodities Europe.

Gefion is Denmark's national AI supercomputer and among Europe's most advanced AI computing platforms, powered by more than 1,540 GPUs, a mix of H100 and B300 chips, and built to support large-scale AI development across research and industry.

InCommodities has developed its own proprietary AI-based weather prediction model to better understand and predict how weather conditions influence energy markets.

"Weather systems are inherently complex, with countless interacting variables influencing outcomes across different time horizons and geographies. Access to infrastructure at this scale allows us to explore more advanced modeling approaches and push the boundaries of what has previously been possible for us in weather forecasting," said Christian Gøbel Bach, Head of Quantitative Fundamentals at InCommodities Europe.

For DCAI, the collaboration demonstrates how large-scale AI infrastructure can support innovation in industries where data, modeling,

and forecasting are critical. It also reflects a shared ambition to strengthen Denmark's AI ecosystem through collaboration between research and industry.

"The transition to a renewable energy system makes weather forecasting increasingly important. With Gefion, companies like InCommodities can develop and train AI models at a scale that was previously out of reach, helping them better understand and navigate the growing complexity of energy markets. This is exactly the type of real-world innovation Gefion was built to support – where advanced AI and computing power contribute directly to the green transition," said Martin Svensson, CEO of DCAI.

The collaboration marks another step in InCommodities' continued investment in AI and quantitative capabilities.

For media requests or further information, please contact:

Signe Roholt
Head of Branding and Communications
sro@in-commodities.com
+45 6177 3339





About InCommodities

InCommodities is a global energy trading group, consisting of companies specializing in trading and optimizing energy assets. Across the group, they trade power, gas, and emissions, and support owners of wind, solar, and batteries in optimizing performance and managing the risks associated with renewable generation and energy storage.

Through its activities, InCommodities supports the transition to a net-zero energy future. The company uses advanced technology, quantitative methods, and deep market insights to execute transactions that help balance energy markets by matching supply and demand, ensuring security of supply.

Founded in 2017 in Aarhus, Denmark, InCommodities has grown from four founders to 250+ people with diverse nationalities and educational backgrounds. With offices in Europe, North America, and the Asia-Pacific, the company conducts trading activities across the globe.

incommodities.com

About DCAI

The Danish Centre for AI Innovation (DCAI) owns and operates Gefion, Denmark's flagship AI supercomputer, designed specifically for large-scale AI projects. Gefion is a large-scale NVIDIA DGX SuperPOD, comprising more than 1,540 GPUs with a mix of the most advanced NVIDIA DGX H100 and B300 chips. These are connected through a high-speed network and paired with a fully integrated, AI-optimized software environment.

DCAI's mission is to lower the barrier for accessing advanced computing capabilities, enabling customers to innovate and fostering ecosystem growth. DCAI customers include academic researchers, startups, government institutions, and enterprise customers doing large-scale innovation. DCAI was formed as a company and funded by the Novo Nordisk Foundation and EIFO in 2024.

dcai.dk