

Kyoto Group and Cognite Data Fusion® synergize to drive digitalization and automation of renewable industrial process heat

Oslo, Norway, 27 November 2023 - Kyoto Group is thrilled to announce that it has selected Cognite, a global leader in industrial data and AI software with its flagship product Cognite Data Fusion®, to power Kyoto Group's data operations. This collaboration is a strategic move that will benefit Kyoto's customers. Integrating Kyoto's platform with Cognite Data Fusion® enables Kyoto's customers to optimize the operation and maintenance of Heatcube.

Powered by Cognite Data Fusion®, Kyoto's DataOps platform unlocks improved operational performance and reduced opex while offering state-of-the-art preventive and predictive maintenance. It enables Kyoto to stay ahead of the curve in a rapidly changing energy market.

Cognite solves the industrial data and AI problem by seamlessly integrating Generative AI into its core industrial DataOps platform, Cognite Data Fusion®, ensuring straightforward access to complex industrial data with a comprehensive suite of AI capabilities.

"Through the seamless integration of Cognite Data Fusion® into Kyoto's DataOps platform, we elevate the digital capabilities of current and upcoming Heatcubes for our customer's benefit. This positions Heatcube with capabilities to easily integrate with emerging power market players, offering flexibility and potentially new revenue streams for industrial plant owners. Furthermore, the integration will empower our customers to streamline data management and cost optimize operations, enabled by a foundation of best-in-class preventive and predictive maintenance." – says Kyoto's Head of Digital Acceleration, Gustavo Zaera.

Additionally, Kyoto's cloud based DataOps platform brings together real-time operational data from the Heatcube Battery Management System (BMS) with various engineering data sources. With an AI-driven core, this platform ensures that Kyoto's engineering team receives timely and accurate feedback, enabling quick and precise improvements.

"Kyoto provides a unique and exciting technology fit to decarbonise industry, and at the same time improves operations of the electricity grid. Cognite is proud to partner with Kyoto and this expands on our strong market position as a technology provider supporting all the different actors in the future energy system, says Cognite's President EMEA, Emmanuelle Camus."

The first iteration of Kyoto's DataOps platform is designed, tailored, and tested to oversee operations of Heatcube installations at multiple locations. It can strategically manage and/or monitor Heatcube activities, making informed decisions or advise for optimal service times and energy consumption. This approach allows us to experiment and cater to the preferences and needs of our customers, paving the way for the development of innovative and valuable digital services.

Heatcube

Kyoto Heatcube provides thermal energy storage and heat generation in one product. It supplies industrial customers with the technology needed to lower both their costs for producing process heat and their CO2 emissions using intermittent renewable energy sources instead of fossil fuels for heat production.

Heatcube can be configured with storage capacities from 16 MWh to over 96 MWh, with a discharge effect for each Heatcube of up to 20 MW. It is an innovative, low-cost, and modular storage solution for thermal energy that can use multiple renewable energy sources to heat molten salt to over 415 degrees Celsius. The high-temperature salt is then used to produce steam for industrial production processes.

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About Kyoto Group

Heat accounts for two thirds of industrial energy consumption. Traditionally, nearly all of it is based on fossil fuels. Kyoto Group's Heatcube, a thermal energy storage (TES) solution, provides a sustainable and cost-effective alternative by capturing and storing abundant but variable energy from sources such as solar and wind. Founded in 2016, Kyoto Group is headquartered in Oslo, Norway, and has subsidiaries in Spain and Denmark. The Kyoto share is listed on Euronext Growth (ticker: KYOTO). Visit us at www.kyotogroup.no and follow us on [LinkedIn](#)

About Cognite

Cognite makes Generative AI work for industry. Leading energy, manufacturing, and power & renewables enterprises choose Cognite to deliver secure, trustworthy, and real-time data to transform their asset-heavy operations to be safer, more sustainable, and more profitable. Cognite provides a user-friendly, secure, and scalable industrial DataOps platform, Cognite Data Fusion®, that makes it easy

for all decision-makers, from the field to remote operations centers, to access and understand complex industrial data, collaborate in real time, and build a better tomorrow. Visit us at www.cognite.ai and follow us on [LinkedIn](#) and [X \(Twitter\)](#).

