

# Press release

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## Vattenfall launches pilot data centre project to offer sustainable compute capacity

**Vattenfall and Cloud&Heat Technologies have started a strategic partnership with a joint sustainable data centre pilot project to deliver fossil free, reliable high-speed computing capacity. The data centre, outside Stockholm, is equipped with high-end servers to cater for Artificial Intelligence and High-Performance Computing applications and designed to offer high performance, security, and direct utilization of excess heat in the adjacent district heating plant process for highest sustainability.**

The new data centre consists of two data centre containers located at Vattenfall's biomass-fired district heating plant in Jordbro, south of Stockholm. Vattenfall provides the infrastructure and the secured site space, Cloud&Heat Technologies runs the operations, contributing together to a CO<sub>2</sub>-free computing process.

"The demand for high-performance and low-cost computing capacity is increasing rapidly, especially for Internet of Things & Artificial Intelligence applications. Our new data centre at our pilot site in Sweden is ready for operation for customers expecting cost-efficient, reliable, and fossil free computing capacity," says Birger Ober, Project Manager at Vattenfall.

The service provided by Cloud&Heat Technologies is a full-service Machine-Learning/Artificial intelligence stack.

"Cloud&Heat Technologies provides energy-efficient, scalable, and secure tailored high-density infrastructure solutions, which meet the requirements of the future. Vattenfall's expertise and Cloud&Heat's technology allowed the erection of a water-cooled data centre that emits zero CO<sub>2</sub> during its operation and in addition, is directly integrated in Vattenfall's heat network for direct heat reuse," says Dr. Jens Struckmeier, CTO at Cloud&Heat Technologies.

Given the increasing importance and demand of green IT, Cloud&Heat Technologies and Vattenfall aim at enhancing this project and providing more prospecting solutions to promote further sustainable data infrastructures.

**For further information:**

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