

Data center de Sterre

Ingenium supported the University of Ghent by selecting the most optimal energy supplier for the data centre on campus 'De Sterre'. The feasibility of heat recovery and tri-generation and the insertion of the data centre in the existing technical infrastructure of the campus has thoroughly examined and converted into an optimal scenario.

Data centres are energy consumers. That's why the University of Ghent wishes to reduce the energy consumption and its following exploitation expenses for its newly built data centre on campus 'De Sterre'.

Ingenium supported the University of Ghent by selecting the most optimal and technical energy supplier for the data centre. This data centre was integrated in the existing infrastructure on campus. The most interesting solution is a full-scenario with tri-generation and heat delivery to the surrounding building. The investment and time recovery for this cost is quite high so the cost-effectiveness depends on the future energy prices. Step by step, with first the integration of heat delivery, it's possible to work on a final verifiable result.

The advantage of the introduced scenario could be lifted by opting for advanced absorption cooling machines (a technical pioneer) or through additional government support. Ingenium designed a calculating tool that supports the University to determine the optimal strategy.



Reference: 09052.001

Developer

Universiteit Gent

Location

Ghent

Surface

2100 m² (waarvan 640 m² computerzaal)

Period Study:

2009-...

Sectors

Datacenter

Services

NEN2767 audit & condition check