



# CASE STUDIES

**HIMOINSA**  
A YANMAR COMPANY

# Supplying 5MW of power for one of Finland's largest Data Centers

Occupying an area of more than 8500 m<sup>2</sup> and with a built capacity of more than 10 MW, Ficolo offers cloud and data center connectivity services, SDN-based cloud networking and a centralised multi-cloud management solution to make sure that a power outage does not disrupt its services.



HIMOINSA, through its distributor kW-set Oy, has supplied **5.4 MW** of emergency power to ensure uninterrupted service to the customers and users of Ficolo's data center facilities in Finland. After 10 years of supplying non-stop power to its data centers, our distributor kW-set has been certified by Ficolo as a key partner.

This major European data center provides data storage and cloud services. To guarantee service with built-in security, a reliable power supply and the constant availability of its services, Ficolo has installed three model **HTW 2030 T5**, HIMOINSA generator sets, capable of providing 6750 kVA in emergency power, together with an independent UPS system.



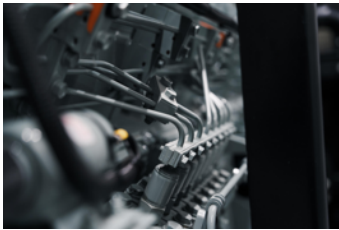


**3 X HTW  
2030 T5,  
provide 6750  
kVA critical  
power**

Ficolo has 3 data centers, The Rock in Pori, The Deck in Tampere and The Air in Helsinki which uses a cell-based technology that combines power and cooling, which means that each cell has its own generator set to guarantee a continuous supply.



## Technical Specifications



HIMOINSA offers reliable equipment for **critical power** operations such as hospitals, data centers, airports, etc., where nothing can go wrong. This project has called for generator sets with pre-heating resistances with a pump, whose thermostat has been set at between 38-54 C°, thus keeping the water in the engine at a minimum temperature of 40 C°, which allows the generator sets to **start up within 10 seconds** of any failure.

 **10s**

This ensures an immediate response and a continuous supply. In addition, to ensure comprehensive control of the system, the generators are monitored via a controller that supervises the pre-heating resistances with a pump.



**Do you want to know more about how HIMOINSA generator sets are designed for Data Centres?**



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Our end customer has placed great value on the performance and responsiveness of the equipment. HIMOINSA and kW-set Oy's know-how in Data Center projects, as well as the quality of the generator sets explain why our equipment has been chosen for this project.

Jimi Nurmi, General Manager at kW-set Oy, our distributor in Finland

