

STAMFORD® DATA CENTRE

Case history

Emergency power for data centre facilities

Where:
Finland

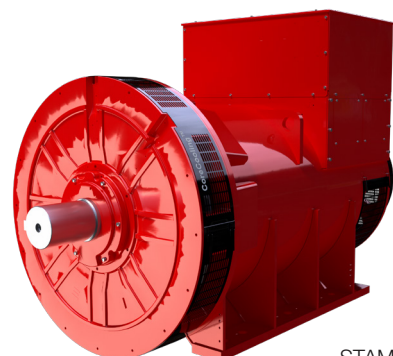
Specified:
STAMFORD S7

Prime Mover:
Mitsubishi MHI S16R

Purpose:
Emergency power to ensure uninterrupted service to data centre facilities

HIMOINSA is a global leader in the design and manufacture of power generation equipment, including diesel and gas generator sets, lighting towers, and energy storage and distribution systems.

Working in partnership with its Finnish distributor, kW-set Oy, the teams were asked to ensure uninterrupted service to one of Europe's major Data Centre providers Ficolo's data storage and cloud services facilities in Finland. This ensured protection from outages, prevented service disruptions, and maintained full operational continuity.



STAMFORD S7

“STAMFORD | AvK’s reliable alternators are vital to our mission-critical customers’ installations. Their consistency and performance are unmatched.”

Fernando Calle,
Regional Sales Manager, Himoinsa (Europe)

HIMOINSA
A YANMAR COMPANY

Project scope and solution

Himoinsa, through its Finnish distributor kW-set Oy, delivered 5MW of standby power for customers and users of Ficolo’s data centre facilities in Finland.

The project required generator sets equipped with pre-heating resistances and a pump, with the thermostats set between 38°C and 54°C. This setup maintained the engine water temperature at a minimum of 40°C, enabling the generator sets to start within ten seconds of a power failure.

This was to guarantee built-in security, a reliable power supply, and the constant availability of data centre services. Three gensets were supplied, utilising Mitsubishi engines and accompanied with STAMFORD® S7L1D-G alternators, providing 6750kVA critical power and integrated into a broader system that includes Combined Heat & Power (CHP) and Uninterruptible Power Supply (UPS) support.

The project encompassed the full cycle—from system design and delivery to on-site installation and commissioning.

Why STAMFORD | AvK was selected

STAMFORD alternators were chosen due to their global track record of reliability, robust technical performance, and strong aftermarket support. Their ability to perform consistently in demanding environments made them the ideal choice for this data centre application.

Client satisfaction and results

Since commissioning, the data centre has experienced zero unplanned downtime. The alternators have integrated smoothly into the facility’s complex power infrastructure, delivering stable performance and helping to safeguard operations against power disruptions.



We are here to support your future decarbonisation goals, through our end-to-end expertise in versatile solutions. Backed by the reassurance of our world-renowned brands recognised for reliability and complete peace of mind, we are with you on your journey towards sustainability.

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