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Standby Power

Case History

SIBS Data Centre

Where:

Lisbon, Portugal

What:

Four generator sets consisting of; one C2250 D5 kVA and three C825 D5A kVA models powered by one QSK60 G4 and three VTA28 G6 engines. Generator set power supply includes one 2250kVA and three 825kVA. System control includes parallel switchboard PCC 3100P, remote monitor panel.

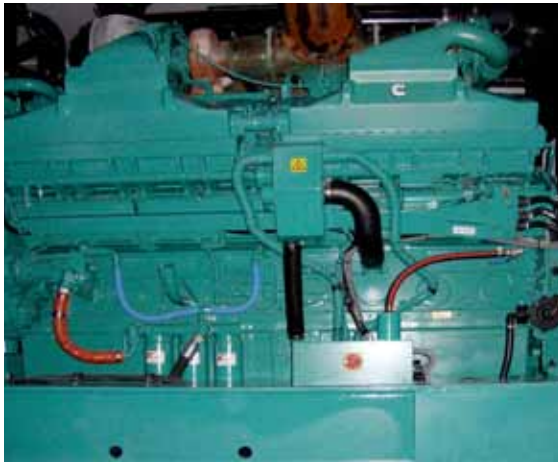
Purpose:

To provide a reliable source of stand-by power to one of Europe's largest payment processors to ensure operations are unaffected in the event of a power blackout.

Cummins Power Generation helps keep money mobile

SIBS Portugal, one of Europe's largest payment processors, provides payment solutions to government, banks, financial institutions and mobile phone operators.

Every day its customers rely on SIBS 'Forward Payment Solutions' to provide secure and efficient electronic payments solutions. Its innovative payment systems include the security management of credit card transactions for Visa, American Express and Mastercard, the fully integrated Multibanco card, ATM, and Point of Sale; as well as online and mobile phone financial transactions.



Cummins C2250 D5 model is positioned in a 40-foot noise-attenuated container



Cummins C825 D5A generator set is installed with a remote cooling system.

With almost 500 employees and 25 years of experience in the electronic payments market, SIBS and its subsidiaries process over two billion transactions annually, averaging more than 500 billion Euros per month.

The company had a standby emergency power requirement of 3.8MVA in the event of a utility outage. In order to maintain its commitment of offering a quality service the company was keen to identify the best solution to providing reliable standby power. SIBS chose Cummins' Portuguese distributor, Electro Central Vulcanizadora (ECV) to supply the system at its data centre located in a 4,000 square meter premises at Alfragide, Lisbon, Portugal.

One of the overriding factors in choosing ECV, for this turnkey project was based on the company's previous relationship with the customer and its proven capability to provide a reliable and efficient solution and after-sales service.

Cummins Power Generation products beat competition from CAT, Perkins, FG Wilson and SDMO to secure the contract. One of the overriding factors in choosing ECV, for this turnkey project was based on the company's previous relationship with the customer and its proven capability to provide a reliable and efficient solution and after-sales service.

LMSA was project consultant, and ECV and Iberinstal carried out the electrical installation, which included positioning one of the generator sets, a C2250 D5, in a 40-foot noise-attenuated container. The C825 D5A sets were installed with a remote cooling system. A parallel switchboard PCC 3100P and remote monitor panel were installed to manage operation. The power system is capable of operating 24/7 and 365 days of the year.

For more information about integrated standby power systems, contact your local Cummins Power Generation distributor or visit www.cumminspower.com



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