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Standby Power

Case History

Complejo Hospitalario de Navarra
(formerly known as Hospital Virgen del Camino)

Where:

Pamplona, northern Spain

What:

1,800 kW C2250 D5 generator set powered by a QSK50 G4 engine, installed inside a 40-foot PowerBox with PowerCommand® Paralleling (PPC) 3201 system control

Purpose:

Standby power for the region's major hospital

Cummins helps expanding hospital with standby power

The Complejo Hospitalario de Navarra in Pamplona is undergoing substantial development, under a €23.7 million modernisation programme funded by the government of Spain's Navarra region. A new 6,000 m² building is being equipped with operating theatre, intensive care unit, post-operative recovery room and laboratories. Cummins Spain distributor CPG Madrid is supplying the standby power solution.

The 566-bedroom hospital is located in the city centre, close to the venue for Pamplona's most famous event - the annual Running of the Bulls, where people attempt to out-race a bull released into the city streets. Some injuries can result. However, the prime reason for the hospital expansion is less dramatic. The new facilities are to serve the medical needs of Pamplona's 200,000 population all year round.



The C2250 D5 generator set is housed inside a 40ft container



Cummins is providing standby power for the entire hospital site

Despite its reputation as a tourist destination, Pamplona has actually been a successful industrial city since the late 19th century. In the 1960s and 1970s its population expanded rapidly to serve a diversifying local industry centred on the automotive sector. Volkswagen manufactures its Polo model in the city. Today Pamplona is one of Spain's highest ranked cities for standard of living and quality of life.

CPG Madrid has supplied the first of three planned Cummins Power Generation generator sets, installed inside a 40-foot Power Box. The 1,800 kW C2250 D5 generator set, powered by a QSK50 G4 engine, will provide standby power for all the hospital's buildings in the event of a grid failure. System control is handled by a Power Command Paralleling (PPC) 3201. The total grid supply requirement of the site is 6,700 kW. Within a year, two further Cummins Power Generation generator sets are scheduled to be installed as the hospital site expands.

'At the moment it's a provisional installation,' comments Fernando Pinzon, General Manager – Business Development & Strategy EMEA. 'In approximately one year the generator set will be working with another two Cummins Power Generation generator sets, in parallel in level one mode.' The C2250 D5 generator set will

Within a year, two further Cummins Power Generation generator sets are scheduled to be installed as the hospital site expands.

remain in its 40-foot PowerBox but will be moved to a new location alongside two additional C1100 D5 generator sets. The overall project is scheduled for completion in July 2012.

Good business relationships helped CPG Madrid win the order. The hospital began using Cummins Power Generation solutions ten years ago, working with CPG Madrid's predecessor, Cummins Ventas y Servicios. Two 1100 kVA generator sets in level one mode have already been in use at the site. Additional factors that helped CPG Madrid win the business ahead of FG Wilson and SDMO were Cummins product reliability, and price.

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



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