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**Power
Generation**



Standby Power

Case History

Omnilogic Data Center

Where:

Otopeni, Romania

What:

Three C1100 D5B generator sets powered by KTA38 G5 engines with a PowerCommand® PCC 3100 paralleling system.

Purpose:

To provide emergency backup power to the grid supply at Romania's largest data centre.

Romania's state-of-the-art Omnilogic Data Center selects Cummins Power Generation

Over the fifteen years since it was founded, Omnilogic has risen to become a leading player in Romania's Information Technology and Communications market. The latest phase in the company's growth has seen the design and construction of a €8 million headquarters at Otopeni, 15 km north of the capital, Bucharest. Housed within the state-of-the-art 24,000 m² site is a 1,500 m² high-security Tier 4 data centre, the first of its kind in the country.

The data centre specialises in managed hosted service and the protection of data for large and medium sized companies primarily within the financial and telecoms sectors. The care and skill that has gone into the design and construction of the facility has earned it the reputation as 'the safest data centre in Romania'. The reinforced concrete building is protected against earthquakes, and closed circuit television monitors the centre's operation around the clock. Even the basic provision of grid power is highly secure, with two separate connections to protect against grid power outages.



Cummins Power Generation ensures the site is operational 24/7



The standby power solution incorporates a PowerCommand® PCC 3100 paralleling system

For reliable and protected emergency backup power in the event of total grid failure, Omnilogic turned to Unitech Electronics, the authorised distributor for Cummins Power Generation in Romania. Cummins proven track record of product reliability, its competitive pricing and its quick-response service support proved to be the decisive factors, placing it ahead of competitors to win the contract.

To meet the centre's backup needs, Cummins Power Generation installed three 1132 kVA C1100 D5B generator sets powered by KTA38 G5 diesel-fuelled engines, and a PCC 3100 paralleling system. In the event of a grid failure, the generator sets are programmed to start automatically, ensuring no interruption to the data centre's operation. This means not only supporting the data centre equipment so no data is lost, but also providing the power that keeps the dedicated server hardware running at its best. The data centre is a climate-controlled environment, always working at a temperature between 21° and 22° C and a humidity between 40% and 55%. The facility is also equipped with a UPS system to ensure the supply of clean power at a constant voltage at all times.

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Omnilogic is justifiably proud of its data centre's reputation as the most secure in the country, and the standby power solution supplied by Cummins Power Generation is a significant part of the centre's success. There are plans for further expansion, both at the headquarters site and elsewhere in Romania. The design of the headquarters site allows the floor area of the data centre to double to 3,000 m², while Omnilogic now plans to build similar facilities at as many as four new sites in other regions of the country.

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



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