

BUILDING A BRAND-NEW HOSPITAL POWER SYSTEM



WHERE:

Bolzano Central Hospital,
Bolzano, Italy

SUPPLY:

- 5 X C2500D5 (2250 kVA ESP power rating) generators
- 65 dB (A) 7m soundproof container
- Fire and gas protection system
- Pneumatic starting system

PURPOSE:

To provide standby power for Bolzano Central Hospital



ALWAYS ON

CUMMINS EXPERTISE TO MATCH SAFETY NEEDS

INTRICATE KNOWLEDGE, PROPER SOLUTIONS:

In 2017, Krankenhaus Bozen (KH BZ) Antagen Societa Consortile needed to build a new hospital facility after an investment request from the local Bolzano medical authority. This required a new power generation system that fit the specific requirements of hospital regulations. KH BZ chose Cummins Italy to fulfill this special need.

Per ISO 8528-5 international standards, hospitals require a customized standby power design that gives the buildings fast first-step load and high generating set performance to make sure patients never face a power outage. For Cummins, this meant supplying parallel operations, where all power generators can synchronize and run together to guarantee full-load acceptance within 10 seconds max in a single-step procedure.

The Cummins Italy team, led by Project Sales Engineer Daniele Angelicchio and Business Development Manager Cesare Lemmi, recommended five C2250 generators. The generators also came with a redundant electrical/pneumatic starting system for 100% efficiency, and a complete fire and gas system able to protect the generators in a specialized container in case of an accident elsewhere in the hospital.

With a rightly compliant setup, Cummins Italy had one final task – to make sure the generators operated quietly, at much lower volume than normally required for huge power nodes. Again, the generator containers were key. The team installed soundproof holding units that kept the generators running at a volume as low as 65 dB – the sound of a normal conversation, and perfect for a hospital setting.



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