

Plug and Play - MEGATROL brings power from Turgi, Switzerland, to Cologne, Germany

Gas-turbine start-up and generator excitation



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In November 2014 a heavy MEGATROL Power container, consisting of an excitation system for a synchronous generator and a starter for a gas turbine type GT26 left the ABB factory in Turgi, Switzerland, destined for a gas and steam turbine power plant in Cologne, Germany.

This MEGATROL Power with a weight of 30 tones - installed in a 12 meters long by 3 meters wide container - was transported by heavy transport through narrow streets from Turgi to Basel before being loaded onto a ship heading to Cologne. The MEGATROL container will be commissioned in a 450-megawatt power plant.

MEGATROL is a combination of two ABB products: An excitation system type UNITROL® 6000 and a starter type MEGA DRIVE LCI. These two systems are combined and integrated into a container that can be used as a building block for a gas turbine power plant.



MEGATROL Container

This building block with the starter and excitation system, allows the builder of the power plant or the supplier of the gas turbine to erect a power plant in a relatively short time and one that will perform for many years.

This method pays homage to the ABB slogan "Power and Productivity for a better world": it allows MEGATROL to provide electrical energy while delivering a higher and faster availability.

This approach defines ABB as an innovator of electrical system supply, creating a package that contains all the necessary interfaces, defined in advance, and contained within a space that can simply plug and play into a gas turbine power plant.

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