

Endesa Hellas Co-Generation Plant

Full turn-key scope of supply, high-efficiency Combined Heat & Power (CHP) plant. Largest CHP plant of its kind in Europe.

Description

- Project location: Aluminium of Greece complex, Viotia, Greece
- Provision of electricity to the grid and steam to the alumina plant within the Aluminium of Greece complex.
- EPC Contract with full turn-key scope: engineering, procurement of equipment and materials, construction, testing and commissioning. Scope includes connection with the natural gas network and electrical network (150kV substation and grid interconnection).
- Demanding requirements for design of the plant: high availability, performance and flexibility to cover numerous operating modes.

Project Data

Configuration	2 + 2 + 1
Gas Turbine	GE 9E (PG 9171)
Fuel	Natural gas with diesel back-up for dual fuel boiler
Power Output @ base design	321MW electrical 216MW thermal
Cooling System	Seawater condenser

