



CCPP COOLKEERAGH

NORTHERN IRELAND

The combined cycle power plant Coolkeeragh generates 400 MW of electricity with a GE gas turbine (250 MW), a Standard Fasel Lentjes boiler and an ALSTOM steam turbine (150 MW). The power plant located close to Londonderry, is one of the most efficient power plants of its size on the Irish island. It replaces the oil-fired power plant which existed since 1959 at the same location.

convex were responsible for the technical and programme coordination of the civil design on behalf of VA TECH Hydro (for Coteba-Ast GmbH), as well as various civil design activities, e.g. vibration isolated installation of the cooling water intake pumps. Strict verification of all structural calculations and construction drawings by the owner's engineer and the associated approval procedure required an appropriate forerun during the entire design process.

Client:



ESBI, Ireland

General contractor:

VA TECH Hydro, Austria

Structural steel:

651 to

Concrete:

13.900 m³

Reinforcing steel:

1.500 to

Overall costs:

€ 245 mill.

Construction costs:

€ 21 mill.

Completion:

January 2005

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Photos:

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