



# 875MW Combined Cycle Gas Turbine power plant (CCGT)

Flemalle, Belgium / 2022-2023

Structural type  
Characteristics  
Owner  
Client  
Scope

Steel structures and foundations, including the turbine pedestal  
Braced steel structures with deep foundations and dynamic calculation of turbine pedestals (gas and steam)  
Engie - Electrabel  
Empresarios Agrupados Internacional - Unidad de Negocio Plantas Térmicas  
detailed design



New Combined Cycle Gas Turbine Power Plant with a production capacity of 875 MW located in a site owned by ENGIE in the Les Awirs, in the province of Liège, in the Walloon region, Belgium. The Unit shall be a multiple shaft configuration consisting of one gas turbine (GT), one drum type with three pressure level, a heat recovery steam generator and a lateral exhaust Steam Turbine (ST)

Construction Project (including BIM model) of the main structures of the plant: water intake and discharge, boiler foundation, turbine building, gas and steam pedestals, secondary rack, and various facilities (effluent treatment plant, fire protection system...)



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