

# Attaqa & Mahmoudia Gas Turbine Power Plants

## Client

Elsewedy Power System Projects (PSP)

## Scope of Work

Design review  
Construction supervision

## Location

Suez & Al-Beheira, Egypt

## Types of Activities

Architectural  
Civil  
Electrical  
HVAC  
Instrumentation  
Mechanical  
Piping  
Roads  
Structural

Elsewedy Power System Projects (PSP), a subsidiary of Elsewedy Electric, was awarded an Engineering, Procurement, and Construction (EPC) contract for Attaqa & Mahmoudia Gas Turbine Power Plants. Understanding the urgency of implementing such a national high-priority project within the predetermined time constraint, ECG has rapidly set up a task force involving senior staff to plan and meet the project's staffing requirements and to immediately start the mobilization of personnel specifically appointed to meet the PSP milestones. This has enabled a quick start of construction, and has allowed for a timely execution of the PSP construction scheme.

The simple cycle power plant in Attaqa has 4 × SGT-2000E Siemens Gas Turbines with a total rated capacity of approximately 650 MW. The simple cycle power plant in Mahmoudia has 2 × AE94.2 Ansaldo Gas Turbines with a total rated capacity of 330 MW.

The project also covers the installation of equipment and units such as transformers; GIS; gas-receiving system and networks; administrative and control buildings; as well as workshops and site utilities (compressed-air system, industrial wastewater system, sewage treatment system, tanks, demineralized water system, storm water drainage, and low-current systems).

