



Oil & Gas complex on Das Island

Buildings and Industrial Installations
Jan. 2013 - Dec. 2014



**UNITED ARAB
EMIRATES -
Abu Dhabi**
Client
CEGELEC

Amount of services
48 500 €

Mission type
Technical Assistance

Project owner
ADNOC / ADGAS



Description of the project

ADNOC is one of the largest national oil companies and one of the most advanced in terms of seismic analysis and recovery optimisation techniques applied to its oil fields, both onshore and offshore. Its subsidiary Abu Dhabi Gas (ADGAS), specialising in the processing, marketing and distribution of LPG & LNG, has contracted CEGELEC OIL AND GAS for the construction of an eighth turbine (36 MW Frame 6 type) on Das island complex, which is located in the Persian Gulf about 110 km from the Emirate of Abu Dhabi.

Description of the mission

In the framework of civil engineering studies, CEGELEC contracted TERRASOL for the geotechnical detailed design. TERRASOL first worked on the definition and supervision of the on-site geotechnical investigations, in strict compliance with offshore safety and risk management procedures. We then defined the foundations of the various elements of the power plant (turbine, structural steelwork, chimney, buildings, etc.), paying particular attention to the behaviour of the deep foundations under dynamic loading.

Key features

- Definition and supervision of geotechnical site investigations
- Design of the foundations for various structures

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