



Guinea, Africa



The Challenges

- To dispatch 10 units within a 2 weeks deadline from UK.
- To construct and commission the whole power plant in the remote area of Conakry within a very limited time frame.
- Stabilize all diesel gensets in a synchronised parallel system.

About the project

Periodic power and water cuts have been a daily burden for Conakry's residents. The Government was in desperate need for a stable power supply. Hence the Conakry Capital Diesel Power Plant project was constructed within a very limited time frame. The plant provided 30MW of total power (from 2 suppliers) connected to the weak national grid.

Solution

To provide 10 sets of 1000KW open genset, including control panels and switch gears within a very tight deadline. The total 10MW provided counted towards a 1/3 of the power needed by the power plant. All electrical and mechanical machinery must comply to extreme humidity and high temperature at the site.



At a glance

Project:
Conakry Capital Diesel
Power Plant

Capacity:
10 x 1000KW @ 400V,
50Hz, 1500rpm

EPC Contractor:
China International Fund
(CIF)

Owner:
China International Fund
(CIF)

What we provided

- 10 Cummins Engine and Stamford alternator. Genset assembled in United Kingdom.
- Switch gear panels provided by Singapore.
- On-site service and training.