



Case Study
INDUSTRIAL

Location
Dubai, United Arab Emirates

Client
Dubai Electricity and Water Authority - DEWA

EPC/CONTRACTOR
Harbin Electric International Co. Ltd
(Dubai Branch)

Year
2018

Project

Hassyan Clean Coal Power Plant Phase 1 (4x600MW NET)

The UAE has a fast-growing economy and population which require new power and water projects such as the Hassyan Power Plant and desalination facility in Dubai. Hassyan is a gas-fuelled power plant which integrates a power island and a desalination island.

What We Delivered



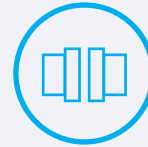
DIAMETER
4000mm



PRESSURE
3.45



METERS
Pipes 27 km
Joints: 1,685 pcs



JOINTS
Double Bell
Coupler



DELIVERING
Seawater
Intake line

Future Pipe Industries had a significant impact on the overall development of the project. At the proposal stage, the idea of producing Fiberstrong™ GRP DN 4000mm, 18 meter pipe was evaluated, including the overall requirements for modifying the production line which previously produced up to 12 meter pipe.

The project benefited from our innovation as we reduce the number of joints required which meant major savings in installation time, especially given that this project is offshore/underwater.

FPI's scope included:

- Engineering, isometric drawings, BOM, stress analysis, FEM and support design
- Fabrication and spooling of customized fittings
- Extensive qualification testing
- Packing and delivery to the site
- Documentation, method statements and project management
- Training, supervision and technical advisory

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When fully operational Hassyan will be one of the largest power plants in the world, with a production capacity of 9,000MW. The power plant is based on the shores of the Arabian Gulf and is owned by Dubai Electricity and Water Authority (DEWA).

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Gallery



Need
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