



Project

Mesaieed Combined Cycle Power Plant

The Mesaieed Combined Cycle Power Plant is one of the largest combined cycle plants in the Middle East and houses one of the largest power sub-stations in the world, covering over 12,250 m².

Case Study

INDUSTRIAL

Location

Mesaieed, Qatar

End User

Iberdola Ingenieria (Spain)

Year

2009

What We Delivered



DIAMETER

50mm to 2600mm



PRESSURE

16 , 12 , 10 , 6 Bar



METERS

16 km



JOINTS

Lamination



DELIVERING

Seawater Intake, Discharge Circulating & Auxiliary water, Electro-Chlorination

FPI supplied the following Fiberstrong™ GRP pipe:

- Seawater intake: 6.6 KM Diameter 1800mm
- Seawater discharge: 3.0 KM Diameter 1400mm
- Circulating water: 1.5 KM Diameter 2600, 2200 and 1500mm
- Raw water system: 1.9 KM Diameter 300 to 1500mm
- Auxiliary water: 1.6 KM Diameter 700 and 800mm
- Electro-chlorination: 1.3 KM Diameter 150mm

FPI also provided Field services and assistance to the project with our lamination joint being introduced to the project at several specific locations where required.

Our team were also responsible for project control as well as Quality Assurance and Control documentation.

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The number of projects involving combined cycle technology is increasing as using both a gas and a steam turbine together produces up to 50 percent more electricity from the same fuel than a traditional simple-cycle plant.

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Gallery



Need
More Info?

Please get in touch with us
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