



Project

## Shoaiba RO Phase 4 Desalination Plant

The Saline Water Conversion Corporation (SWCC) is responsible for supplying half of all municipal water in the Kingdom of Saudi Arabia. SWCC invest heavily in desalination against a backdrop of chronic water shortage and a rising population.

Case Study

## INDUSTRIAL

Location

Kingdom of Saudi Arabia

End user

Saline Water Conversion Corporation-SWCC

Contractor

DOOSAN Heavy Industries & Construction Co. Ltd.

Year

2016

### What We Delivered



DIAMETER

15mm to 3200mm



PRESSURE

PN10 and PN16



METERS

17.1 km



JOINTS

Double Bell Couplers  
Lamination Joints  
Rubber Seal Lock Joints



DELIVERING

Municipal Water

Working with Doosan, Future Pipe Industries supplied a total of 17.1 km of Wavistrong™ Glass Reinforced Epoxy (GRE) and Fiberstrong™ Glass Reinforced Polyester (GRP) pipe. Diameters ranged from 15mm to 3200mm with working pressures between PN10 and PN16.

The pipes were connected using Double Bell Couplers, Lamination Joints and Rubber Seal Lock Joints for Sea Water Intake, Outfall and Fire Water applications. The project also required sliding puddle flanges with a diameter of 200 - 3200 mm and our Wavistrong™ high temperature series (110°C/23°F) for GRE lines with a diameter of 80 to 450mm.

Future Pipe Industries scope of work included design and engineering, specifically isometrics, spool drawings and bill of quantities (BOQ), manufacturing and spooling, site storage, handling, installation, hydrotesting, pre-commissioning support and support during the warranty period.

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Saudi Arabia is the world's largest producer of desalinated water. 70% of the country's drinking water requirement and major urban and industrial supply is via desalination and a network of water pipes which run for more than 2,300 miles.

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Gallery



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