

Case Study

WATER & INFRASTRUCTURE

Location
Shuqaiq, Jizan Province, Saudi Arabia

End User
Saudi Water Partnership Company

Year
2020-2022

Project

Shuqaiq 3 Desalination Plant

Future Pipe Industries manufactured and supplied FIBERSTRONG® AG & UG restrained pipes for the Shuqaiq 3 Independent Water Project in Saudi Arabia, one of the world's largest desalination facilities, strengthening regional water security for nearly two million residents.

What We Delivered

DIAMETER	PRESSURE	Length	JOINTS	DELIVERING
25mm to 2400mm	PN6 – PN10 PN16 – PN20	13,000m	Lamination joints	Sea Water Permeate Water Product Water Brine Water

The Shuqaiq 3 Independent Water Project, located on the Red Sea coast in southwest Saudi Arabia, is one of the world's largest SeaWater Reverse Osmosis (SWRO) desalination plants. Developed to strengthen regional water security, the facility supplies potable water to nearly two million residents across the Asir and Jizan provinces while supporting municipal, agricultural and industrial demand. The project was delivered under a 25-year Build-Own-Operate (BOO) concession awarded by Saudi Water Partnership Company (SWPC), reflecting Saudi Arabia's strategic focus on sustainable infrastructure and water sector privatization.

Shuqaiq 3 combines advanced desalination technology with an innovative public-private partnership model involving international and regional stakeholders. Future Pipe Industries supported the project by manufacturing and supplying advanced composite piping systems for client Acciona. FPI's FIBERSTRONG® pipes were selected for their corrosion resistance, lightweight design, hydraulic efficiency and long service life in demanding water and desalination environments, contributing to reliable and sustainable plant operations.

> *FPI glassfiber piping solutions deliver corrosion-resistant, lightweight and durable performance for large-scale desalination infrastructure projects.*

Project

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