

Case Study

# WATER & INFRASTRUCTURE

Location
Yanbu, Saudi Arabia

End User
Saudi Water Partnership Company

Year
2026

Project

## Yanbu 4 IWP

Future Pipe Industries supported the Yanbu 4 Independent Water Project by engineering, manufacturing and delivering nearly 39 km of advanced composite piping solutions for this strategic water infrastructure development in Saudi Arabia.

### What We Delivered

| DIAMETER | PRESSURE | Length | JOINTS | DELIVERING |
|---|---|---|---|---|
| DN15 to DN3000 | Up to 23 bar | 39 km | Coupler joint<br>Lamination joint<br>Adhesive joint | Water |

The Yanbu 4 Independent Water Project (IWP) is a major desalination development supporting Saudi Arabia's long-term water security and infrastructure ambitions. Located on the Red Sea coast, the facility is designed to produce 450,000 cubic metres of desalinated water per day, helping supply communities including the holy cities of Medina and Mecca.

For this large-scale project, working with client Doosan Enerbility, FPI was required to provide composite piping solutions across a particularly broad diameter range, from DN15 to DN3000, while meeting demanding operating and pressure requirements.

FPI engineered, manufactured and delivered 38,778 metres of WAVISTRONG® and FIBERSTRONG® piping, with FIBERSTRONG® representing the majority of the supply. A key technical achievement was the delivery of FIBERSTRONG® GRP pipes designed for pressures of up to 23 bar, demonstrating FPI's engineering and manufacturing capabilities for demanding water infrastructure applications.

> *Yanbu 4 IWP demonstrates FPI's ability to deliver high-performance composite pipe solutions at scale.*

Project

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## Gallery



















Need More Info?

Please get in touch with us
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