



Case Study ENERGY

Location

Tuban, Surabaya - East Java - Indonesia

End User

Pertamina Patra Niaga

Year

2026

Project

East Java Refrigerated LPG Terminal Development Project

Future Pipe Industries delivered WAVISTRONG® (GRE) piping for the East Java Refrigerated LPG Terminal (Tuban Phase-2), supporting critical land side and jetty infrastructure.

What We Delivered



DIAMETER

From 1.5 inch until
20 inch



PRESSURE

20 Barg



METERS

3,5 km



JOINTS

Taper Bell End (TB),
Taper Spigot End
(TS), Flat Face (FF)



DELIVERING

Liquified Petroleum
Gas (LPG)

FPI was selected to supply approximately 3,500 meters of GRE WAVISTRONG® pipes, fittings, and flanges (1.5"–20", 20 barg) for the land side terminal and jetty in Tuban, East Java, Indonesia.

For this phase of the Refrigerated LPG Terminal development, FPI's glassfiber pipe systems were adopted as a superior alternative to the original galvanized carbon steel design. This transition illustrates a growing industry shift toward advanced composite pipe technologies that offer stronger lifecycle performance under marine and industrial operating conditions. Manufactured at FPI's Egypt facility, the GRE WAVISTRONG® systems were engineered to deliver reliability, hydraulic efficiency, and long-term durability for critical fire water and sea water services across both land and jetty environments.

Key Benefits of FPI glassfiber pipe solutions:

- **Corrosion-free performance** in seawater and aggressive soil environments
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- **Lightweight design** enabling faster, safer installation on land and jetty scopes
- **Zero corrosion-related maintenance** with a 50+ year design life
- **Lower total cost of ownership (TCO)** over the full asset lifecycle

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*Glass Reinforced Epoxy
(GRE) piping enables
safer, durable, and
cost-efficient infrastructure
for energy terminals.*

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Gallery



Need
More Info?

Please get in touch with us
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