



FUTURE PIPE INDUSTRIES B.V.

Glassfiber Reinforced Pipe Systems

Sea water, cooling water, fire water CNC Ammonia Plant, Trinidad & Tobago

Location
Trinidad & Tobago

Completed Date
2001

End User
CNC Trinidad & Tobago

Contractor
Proman GmbH, Düsseldorf
(Ferrostaal)



Description

For the CNC Ammonia Plant in Trinidad & Tobago, several lines have been supplied as Seawater Intake and Outfall, Cooling Water and Fire Mains. The main line was a cooling water discharge line DN 500 – 600 from the sea into the plant, installed on sleeper and pipe racks. This line is built with standard Wavistrong® EST pipes.

A local installation contractor, whose labour was trained and supervised by Future Pipe Industries B.V, built the spools in a local workshop.

Scope

Our scope included:

- Design
- Fabrication
- Training
- Supervision

Pipe System

From 25mm up to 1600mm, several glassfiber reinforced epoxy lines have been supplied for aboveground application on sleepers and clamps and underground lines. Pressures range from 8 up to 32 bar. Connections have been made with adhesive bonded joints and laminated joints. Total project value is approximately USD 1,850,000

Advantages

High abrasion strength of GRE together with the UV resistance and the fact that no algae grow infects the pipes were the main reasons why glassfiber reinforced epoxy has been chosen.