



FUTURE PIPE INDUSTRIES B.V.

Glassfiber Reinforced Pipe Systems

Firewater system Dutch Railway (NS), Schiphol

Location

Schiphol, Holland

Completed date

1997

End User

Dutch Railway Company (NS)

Contractor

Vermeer B.V.

Consultant

Dutch Railway Company (NS)



Description

The existing firewater system in steel for the Schiphol tunnel was heavily corroded and needed replacement. Glassfiber reinforced epoxy was used to replace the existing pipes and prevent future corrosion. For a second Schiphol tunnel, GRE has been used from the start.

Scope

Our scope included:

- Engineering
- Fabrication

Pipe System

We have supplied GRE pipes of 150mm at 20 bars. The total length for both tunnels is 6 km.

Advantages

The non-moving water inside the pipes provided a highly corrosive environment, an environment where GRE is very well suitable. Furthermore the maintenance free characteristics of GRE were very important for the customer. Inside a tunnel the fire extinguishing system has to be 100% reliable and malfunctioning due to corrosion is not an alternative.