



FUTURE PIPE INDUSTRIES B.V.

Glassfiber Reinforced Pipe Systems

**Fire mains, Cooling water
Karstø, Norway**

Location

Karstø, Norway

Completed date

1983-present

End User

Statoil, Norway

Contractors

Veidekke and Astrup Høyen for
underground
Fabricom, Umoe for aboveground

Consultants

Linde Munchen, ABB
Kellogg, Norconsult

Description

This gas processing plant, one of the largest in the world, was built in 1983. For the underground fire water and cooling water applications, glassfiber reinforced epoxy has been used from the start. The metal (CuNi) aboveground applications which were used in 1983 have since then been replaced by GRE. For both the under- and aboveground extensions that are being built, GRE is and will be used.

Scope

Our scope included:

- Engineering
- Fabrication
- Supervision

Pipe System

Several pipe systems have been supplied ranging from 50mm to 1400mm. As well as conductive (aboveground) and non-conductive (underground) lines have been supplied in 16 and 20 bar applications. Total project value up to 1999 has been approximately USD 15,000,000.

Advantages

Due to the high corrosion resistance of GRE in this environment where a lot of seawater is used, the installed GRE systems are functioning flawless. Also the low installed costs of GRE systems were a major argument for Statoil to use GRE for this plant.

