

PROJECT

Fire Fighting System, Leuna, Germany



LOCATION

Leuna, Germany

END USER

Council of Development & Reconstruction (CDR)

INSTALLATION COMPANY

Thyssen AG, Lurgi GmbH
 und Technip Sarl Joint
 Venture and subcontractors

ECP CONTRACTOR

Thyssen, Lurgi Oil & Gas GmbH Frankfurt and Technip,
 Paris France (TLT)

COMPLETION DATE

1996

DESCRIPTION

Financed by the German Government and the European Communion a new refinery was built in the formally DDR at the Leuna Location near Leipzig, with a total invest amount of 2 billion US dollar. The fire fighting systems were designed and built in glass fibre reinforced epoxy systems with a design pressure of 20 bar (Test pressure 30 bar).

PIPE SYSTEM

A pipe line system with a rubber seal lock joint (fully tensile resistant) up to and including 600-mm was delivered. Total length ca 25 km. The ringmain consist of a ca. 13 km pipe DN 400 with rubber seal lock joint connections.

SCOPE

- Detailed engineering
- Fabrication
- Logistics activities
- Supervision and spool building (pre-fabrication of large spools)

THE FPI ADVANTAGE

The long term safety behaviour and low maintenance costs of GRE pipe systems were crucial for the decision to make use of Wavistrong epoxy pipe systems Epoxy pipe. The rubber seal lock joint secures a safe and quick installation even under the most severe conditions like soil settings and in polluted areas'. The flexible connection allows also an easy dismantling of valves because of the actual space in the connection. The system is fully tensile resistant which results finally that there are no concrete anchor blocks required. Cathodic protection as well as X-ray activities are not needed which reduced the total installation costs accordingly.