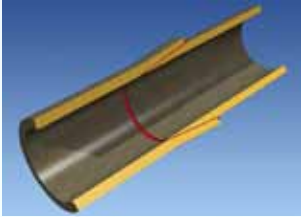


Key-Lock® mechanical joint



Taper/Taper adhesive-bonded joint



Condensate and Crude Oil line using Bondstrand® 3410 GRE pipe and fittings

NOV Fiber Glass Systems was awarded the DRC ARZEW project by Sonatrach, the Algerian National Oil Gas Company for a 28 inch Condensate Line and a 40 inch crude oil transport line at the second Algerian Jetty Oil Harbour of Arzew. NOV Fiber Glass Systems BV manufactured the Bondstrand pipe with integral Key-Lock mechanical joints at the Geldermalsen manufacturing plant in The Netherlands. Fittings and flanges with integral Taper/Taper adhesive bonded joints were manufactured by NOV Fiber Glass Systems (Pte) Asia at the Singapore facility.

Advantages

- Reduction in installation costs and time
- Expected long term service life 30 years
- Corrosion resistant
- Maintenance free
- Light weight material

Project

DRC Jetty Oil Harbour, Arzew, Algeria

Client

Sonatrach DRC – Oran, Algeria

Pipe system

Bondstrand 3410 with Key-Lock mechanical joints and Taper/Taper adhesive-bonded joints

Diameter: Condensate 28 inch (700 mm)
Crude Oil 40 inch (1000 mm)

Quantity: 2.800 meter

Operating conditions

Operating pressure: 10 bar
Design pressure: 10 bar
Test pressure: 15 bar
Operating temperature: ambient
Design temperature: 93 °C

Installation date

2003