



Taper/Taper adhesive-bonded joint



Heat Recovery System for Saras Refinery using Bondstrand® 2420 GRE pipe

Saras is a leading independent Italian energy company, with activities mainly focused on refining, sales and distribution of petroleum products in global markets. The Sarroch refinery is one of only six 'super-sites' in western Europe and is also the second largest refinery in the Mediterranean. It boasts an atmospheric distillation capacity of 300,000 barrels per day – about 15 percent of Italy's total refining capacity, and more than 80 percent of the company's production is of medium and light distillates – mainly diesel and gasoline, with very low sulphur content, in order to minimise environmental impact. For a Heat Recovery System Bondstrand GRE pipe was selected because it is corrosion resistance and its ability to withstand high temperature.

Scope of supply

NOV Fiber Glass Systems

Bondstrand piping was supplied through NOV Fiber Glass Systems distributor Pipespain S.L.

Pipespain S.L.

- Project management and engineering
- Detail design
- Quality control
- Pre-fabrication
- In-situ assembly (20 uninterrupted days)
- Hydrotesting
- Commissioning

Advantages

- Expected long term service life 30 years
- Corrosion resistant
- Maintenance free
- Light weight material
- About 1/4 the weight of steel

Project

F.C.C. (Fluid Catalyst Cracking) Saras Oil Refinery

Client

Saras S.p.A., Sarroch - Italy

Pipe system

Bondstrand 2420 with Taper/Taper adhesive-bonded joints
Diameter: 2-30 inch (DN 50-750)

Operating conditions

Operating pressure: 10-12 bar
Design pressure: 20 bar
Test pressure: 16 bar
Operating temperature: max. 120 °C
Design temperature: max. 121 °C

Installation date

2009