



Quick-Lock® adhesive-bonded joint



Water Treatment pipelines for TENT HPV Obrenovac using Bondstrand® 2000 & 4000 GRE pipe with Quick-Lock adhesive-bonded joints

The Thermal Power Station "Nikola Tesla" B (TENT B) is located on the left bank of the river Sava, 17 km upstream from Obrenovac. TENT B was designed as a thermal power station with a total nominal capacity of 2.400 MW, consisting of four units of 600 MW.

During the reconstruction in the Department for Chemical Treatment of Water, steel pipelines for HCL 35%, NaOH 44% and demi water were replaced with Bondstrand 2000 and 4000 GRE pipe with Quick-Lock joints. Diameters were from 25 to 200 mm, total length 350m with a large quantity of fittings.

Advantages

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

Project

Pipelines for HCL 35%, NaOH 44% and demi water in Department for Chemical Treatment of Water, Thermal Power Plant Nikola Tesla B, Obrenovac, Serbia

Client

EPS – Electric Power Industry of Serbia

Pipe system

Bondstrand 2000 & 4000 with Quick-Lock adhesive-bonded joints

Diameter: 1 to 8 inch (25 to 200 mm)

Quantity: 350 meter

Operating conditions

Operating pressure: 12 bar

Design pressure: 16 bar

Test pressure: 24 bar

Operating temperature: 60 °C

Design temperature: 60 °C

Installation date

December, 2009