



FUTURE PIPE INDUSTRIES B.V.

Glassfiber Reinforced Pipe Systems

E-ON power station Maasvlakte – Holland

Location

Maasvlakte, Holland

Completed date

2003

End User

E-ON coal-fired PowerStation

Contractor

Visser & Smit Hanab



Description

E-on fires a power station with coals. To extract the polluting sulphurs from the exhaust flue gasses, the flue gas is desulphurised with gypsum slurry in a desulphurization unit. If this unit does not work, the power station has to close down by law. This makes the functioning of the unit of major importance.

This unit is provided with a Glassfiber Reinforced Epoxy pipe system ring main.

Scope

Our scope included:

- Engineering
- Fabrication

Pipe System

The supplied pipe system is Wavistrong EST 10 pipe system ID 150 mm (6") up to and including 600 mm (24") . Total project value has been approximately € 1,000,000

Advantages

Originally the units were equipped with rubber lined steel pipes. This material caused problems due to the abrasion. About 10 yrs ago, E-on (formerly EZH) decided to replace a part of the system with Wavistrong GRE as a test. The experience was very positive:

- Wavistrong pipe systems do not need maintenance,
- No malfunctions: no production loss
- Light weight: easy to install on high elevations
- Standard materials, available 'on stock'
- No corrosion protection required.

For these reasons, E-on has decided to replace all steel pipework by GRE.