



## **FUTURE PIPE INDUSTRIES B.V.**

Glassfiber Reinforced Pipe Systems

**EPZ -Amercentrale  
Geertruidenberg – Holland**

### **Location**

Geertruidenberg, Holland

### **Completed date**

1992

### **End User**

EPZ PowerStation

### **Contractor**

FPI



### **Description**

Due to the high environmental requirements on the quality of exhaust fumes, more and more desulphurization units have been built on coal-fired power plants. Depending on the desulphurization techniques, the pipes in these units are loaded chemically or abrasively or both.

For pipelines working with abrasive gypsum slurry, rubber lined steel was a common choice. However, a lot of problems have been reported on the rubber lining and the lack of binding to the steel pipe. As soon as the rubber lining failed, corrosion problems occurred. The system had to be replaced every 4 years.

Wavistrong pipes offered a lot of advantages:

- no maintenance
- even in case of damage due to abrasion:
  - the abrasion will be local and equal and will not damage a protective coating resulting in failure of the total line
  - if repair is needed, it is easy to perform in a short time
  - components are light weight : easy to install in a complex plant environment

However, no failure was reported over the last 12 years.

### **Scope**

Our scope included:

- Engineering
- Fabrication
- Installation
- 24 hr emergency service

### **Pipe System**

The supplied pipe system is a Wavistrong EST pipe system ID 150 mm (6").