

# Belzona Repairs Cooling Water Pipe at a Steel Plant

ID: 7818

Industry: Fluid Flow

Customer Location: Czech Republic

Application: VPF-Valves, Pipes and Fittings

Application Date: May 2012

Substrate: Steel

Products: \* Belzona 1111 (Super Metal) ,  
\* Belzona 5831 (ST-Barrier) ,  
\* Belzona 5811 (Immersion Grade) ,  
\* Belzona 9341 (Reinforcement Tape) ,  
\* Belzona 9111 (Cleaner/Degreaser) ,

## Problem

Corrosion had caused heavy damage on cooling water pipe, therefore weakening the jacket. This may have eventually led to a through-wall defect which would cause a costly downtime period.



## Photograph Descriptions

- \* The original corroded pipework ,
- \* Belzona 1111 applied to restore the thinned walls. ,
- \* Belzona 5811 reinforcement ,
- \* The finished job ,

## Application Situation

Steel plant cooling water pipe.

## Application Method

After removing the impurities, the pipeline was treated with the Belzona 5831 coating system. Subsequently, the areas were pressed with Belzona 1111 and reinforced with reinforcing sheets. At the end, the entire pipe casing was treated with a two-component coating system for a long-term protection of Belzona 5811 in combination with Belzona 9341 reinforcement tape.

## Belzona Facts

The reinforcement could be carried out whilst the pipe was offline, thereby avoiding costly downtime.

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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