

# BELZONA SUPERWRAP WATER/CONDENSATE PIPE REPAIR

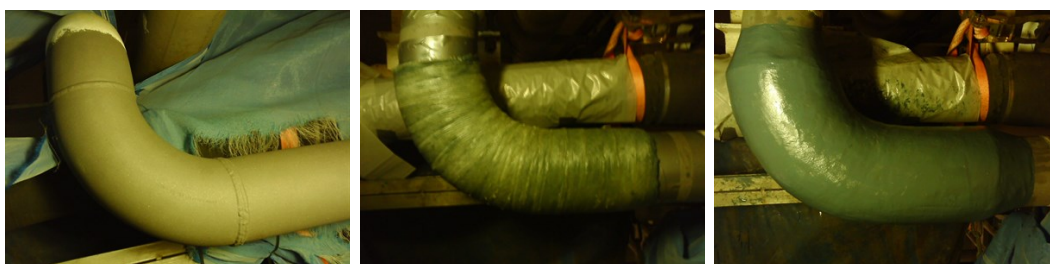
ID: 3416

Industry: Oil & Gas  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Carbon Steel  
Products: \* Belzona® SuperWrap ,

Customer Location: Major Oil Producer, North Sea, Norway  
Application Date: October 2011

## Problem

An area of the pipe system had lost 2/3 of its original wall thickness due to internal corrosion. The affected area was expected to go through-wall within the next 2-3 years. The client needed a compliant repair designed for a minimum of 5 years.



## Photograph Descriptions

- \* Grit blasted pipe prior to repair ,
- \* Reinforcement spirals applied (9 in total) ,
- \* Finished Application (Thickness 33mm, Length 540mm) ,

## Application Situation

A six inch diameter pipe, carrying water and condensate, operating at 30-50°C and 31 Bar pressure.

## Application Method

A Belzona® SuperWrap reinforced repair, compliant to ISO/TS24817 and ASME PCC-2 Article 4 was designed and applied by validated applicators.

## Belzona Facts

Large parts of the system were planned to be removed by the end of 2011 due to these defects. Using Belzona® SuperWrap, the client was able to significantly extend the lifetime of the system without the need for hot work. The repair was completed within twelve hours and after a 48 hours cure period the system was back in service. The Belzona® Superwrap was designed so that integrity in the system was maintained even after the defect goes through-wall. The Belzona® SuperWrap repair is compliant until 2016.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

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

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9000 Registered Quality  
Management System.

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