# BELZONA SUPERWRAP WATER/CONDENSATE PIPE REPAIR

ID: 3416

Industry: Oil & Gas Customer Location: Major Oil Producer, North Sea, Norway

Application: VPF-Valves, Pipes and Fittings Application Date: October 2011

Substrate: Carbon Steel

Products: \* Belzona® SuperWrap,

### 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),
- \* Finnished 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 untill 2016.

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

ISO 9001:2015 Belzona products are
FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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