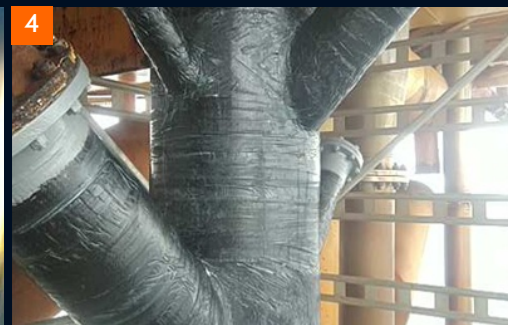


REGULAR BELZONA SUPERWRAP II ON LOW SPECIFICATION PIPING SYSTEMS

ID: 9263



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PROBLEM

Due to years of neglected priority of maintenance, the client was experiencing severe corrosion challenges on their low-specification piping systems. This meant they were now facing a costly and time-consuming replacement of large sections of important equipment.

APPLICATION SITUATION

Belzona SuperWrap II addresses several challenges associated with maintenance projects: the system prevents the need for hot work, enhancing safety; downtime is reduced, ensuring operational continuity; and it offers a cost-effective alternative to costly equipment replacements when not essential.

APPLICATION METHOD

Following a priority pipeline integrity inspection, the most urgent parts of this piping system was prioritized for immediate maintenance. The prioritized pipe sections were gritblasted to SA 2,5-leaving a surface profile of min. 75microns, according to ISO-8501-1 or Nace SSPC-SP 10. Custom made 10mm doubler plates were bonded over severely corroded areas to add structural strength and extended wall thickness to the piping system.

After full cure of the bonding application the surface was grit blasted a second time and prepared for a designed Belzona SuperWrap II application.

Belzona 1981 SuperWrap II resin and Belzona 9381 SuperWrap II reinforcement was used to install a 4 spiral / 8 layer - Designed SuperWrap II.

BELZONA FACTS

Belzona SuperWrap II addresses several challenges associated with maintenance projects: the system prevents the need for hot work, enhancing safety; downtime is reduced, ensuring operational continuity; and it offers a cost-effective alternative to costly equipment replacements when not essential.

This specific application prevented replacement of large sections of an extensive pipe system, saving both replacement cost and long periods of production downtime.

INDUSTRY

Oil & Gas

LOCATION

North Sea Norway

APPLICATION DATE

December 2022

PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1161 (Super UW-Metal)

Belzona 1981 (SuperWrap II)

SUBSTRATE

Carbon steel

PHOTOS

1. Severe corrosion on 24" caisson.
2. Bonding custom made reinforcement plates.
3. Preparing for SuperWrap II Application
4. SuperWrap II Application completed.

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