

## BELZONA SUPERWRAP II SAVES FPSO

### CUSTOMER

Ivory Coast

### APPLICATION DATE

May 2019

### APPLICATION SITUATION

Corroded flange and fasteners on the High Pressure Fuel Gas Heater inlet and outlet.

### PROBLEM

The operating pressure of the heater is 24 bar at 30°C on the inlet and 36°C on the outlet. Client could not afford for the flange or bolts to leak and be shutdown as would be very costly to them. The client required protection of the system for 9 months until the next shutdown, where the entire unit would be replaced.

### PRODUCTS

Belzona 1121 (XL-Metal)

Belzona 1982 (SuperWrap II)

### SUBSTRATE

Carbon Steel

### APPLICATION METHOD

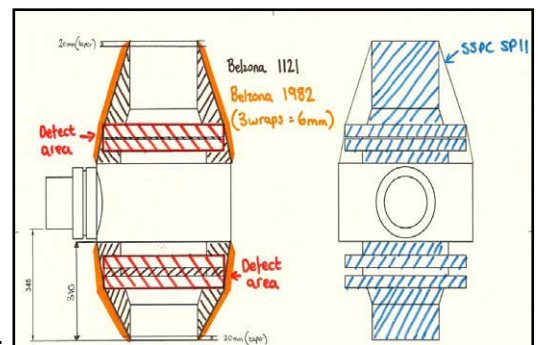
The application was carried out by validated Superwrap Installers as per the Belzona Superwrap II method statement provided on the design. Following thorough surface preparation to SSPC-11 to the live system, Belzona 1121 was applied to the flanges, bolts and pipe to create a smooth transition onto the pipe. The Belzona Superwrap II system was then applied. Due to the air and steel temperature the repair required consolidating in Belzona 9382 Release Film after each wrap. Upon reaching the required thickness of 6 mm the wrap was allowed to cure. Once cured the Belzona 9382 release film was removed. This application was completed in accordance with Belzona Know-How System Leaflet VPF-11.

### BELZONA FACTS

Following the initial inquiry and application of the Belzona Superwrap system, the Belzona engineer performed validated Installer and Supervisor training for the local distributor as they have a good relationship with the client and would be more cost effective for the client to have an local applicator.

### PICTURES

1. Condition of flanges and valve
2. Design output
3. During application of Inlet
4. Finished application



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



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