

## BELZONA INJECTION ON ARF LAY DOWN DECK FOR FPSO

### CUSTOMER

North Sea

### APPLICATION DATE

April 2019

### APPLICATION SITUATION

FPSO's ARF laydown deck 24 m<sup>2</sup> was suffering from severe corrosion causing through wall defects in the 13 mm thick steel.

### PROBLEM

The laydown deck allows the movement and storage of container deliveries, the deck was fitted with wooden batons to protect the deck from impact. The wood can withhold moisture and the deck's substrate is always around 30°C as the FPSO's generator operates directly below. This has caused accelerated corrosion through the 13mm steel.

### PRODUCTS

Belzona 1161 (Super UW-Metal)

Belzona 5811 (Immersion Grade)

### SUBSTRATE

Carbon Steel

### APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet GSS-09. The manufactured doubler plates and deck were grit blasted then placed onto position. The plates were then jacked to the correct height before being bonded into position with Belzona 1161. Once cured, Belzona 5811 was injected using single component airless spray unit through the injection ports until the void between the plate and deck were filled.

### BELZONA FACTS

The client could not afford for any damage to the generators below the deck as this would result in the shutdown of the whole vessel. This would be very expensive to the client. Around 20kg of Belzona 1161 and 285 litres of Belzona 5811 were used during this application taking 9 days to complete.

### PICTURES

1. View of deck before grit blasting
2. Damage of deck
3. Alignment and injection
4. Completed job



1.



2.



3.



4.

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



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