

## BELZONA REPAIRS DUCT ON FPSO

### CUSTOMER

Ghana

### APPLICATION DATE

June 2018

### APPLICATION SITUATION

Severe corrosion affected the ER Duct lines creating holes and metal loss. Atmospheric air is the medium that passes through duct.

### PROBLEM

The ER Duct from the compressor was damage from severe corrosion leading to holes in some areas.

### PRODUCTS

Belzona 1111 (Super Metal)

Belzona 5811 (Immersion Grade)

### SUBSTRATE

Steel

### APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet TCC-5 (Rebuilding and protecting steel work) and SOS-2 (Erosion -corrosion resistant coatings). The surface was prepared by removing previous coating using a Bristle Blaster and then cleaned with Belzona 9111, then allowed to dry. Belzona 1111 was then applied on the surface to rebuild the lost metal. Once Belzona 1111 was fully cured, the surface was then coated with Belzona 5811 Immersion Grade to prevent surface corrosion.

### BELZONA FACTS

The alternative would have been to remove the existing damaged ER Duct lines and then replace with new ones. This would have been very expensive and time consuming, in addition to requiring shutdown. Downtime would have been a major concern as well as the possibility of galvanic corrosion from dissimilar metals once welding is introduced.

### PICTURES

1. General view of the ER Duct
2. Surface preparation on the ER Duct
3. Cleaned and degreased with Belzona 9111
4. Applied Belzona 1111 to rebuild lost metal and Belzona 5811 to protect surface corrosion



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



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