

# Belzona Repairs Duct on FPSO

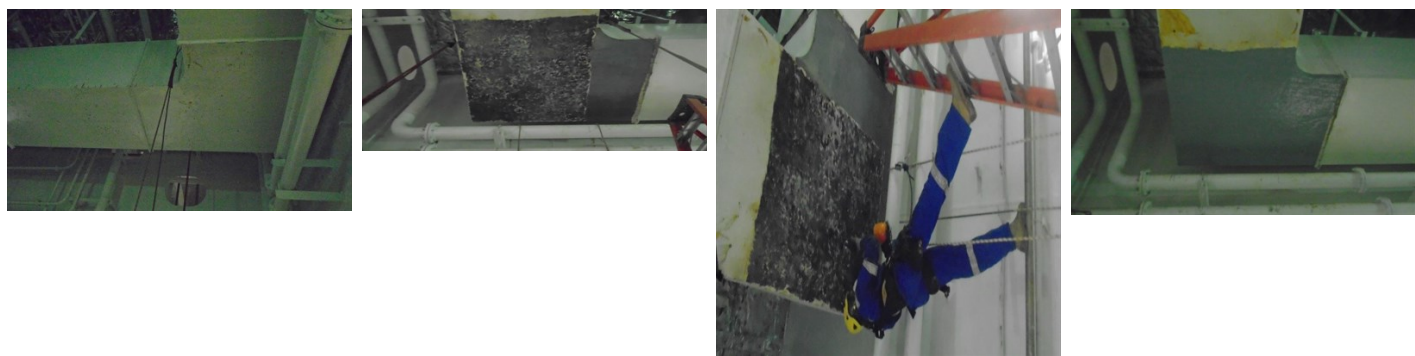
ID: 7869

Industry: Oil & Gas  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Steel  
Products: \* Belzona 1111 (Super Metal) ,  
              \* Belzona 5811 (Immersion Grade) ,

Customer Location: Ghana  
Application Date: June 2018

### Problem

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



### Photograph Descriptions

- \* General view of the ER Duct. ,
- \* Surface preparation on the ER Duct. ,
- \* Application of Belzona 9111 degreaser- cleaner. ,
- \* Applied Belzona 1111 to rebuild lost metal and Belzona 5811 to protect surface corrosion. ,

### Application Situation

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

### Application Method

The application was carried out in accordance with Belzona 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, Surface was then coated with Belzona 5811 Immersion Grade to prevent surface corrosion.

### Belzona Facts

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

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
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The alternative would have been 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 shutdowns. Downtime would have been a major concern as well as the possibility of galvanic corrosion from dissimilar metals when welding was introduced.

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