

# BELZONA REPAIRS AND WATERPROOFS OFFSHORE ROOF

ID: 1589

**Industry:** Oil & Gas  
**Application:** RPA-Roof Problem Areas  
**Substrate:** Steel  
**Products:** \* Belzona® 1121 (Super XL Metal) ,  
\* Belzona® 3111 (Flexible Membrane System) ,

**Customer Location:** Oil Producer, Gulf of Mexico.  
**Application Date:** May 2010

## Problem

Customer seeking roof repair and installation of waterproofing system without disrupting oil and gas production. Metal roof had severe corrosion resulting in thin wall and some holes through the plates.



## Photograph Descriptions

- \* Roof showing severe corrosion ,
- \* Roof after grit blasting ,
- \* Roof after repairs and first coat Belzona 3111 ,
- \* Roof after completion ,

## Application Situation

Corroded living quarters roof on offshore platform.

## Application Method

Application was carried out in accordance with Belzona System Leaflets RPA-1, RPA-6 and TCC-1. Belzona 1121 was used to bond doubler plates over thinned and holed areas before applying a fully reinforced Belzona 3111 System over the entire area.

## Belzona Facts

Repairing roof by welding was not an efficient option because hot work would have required unit shut down leading to loss of production. Belzona solution allowed personnel to remain in quarters during installation, and caused minimal disruption to normal operations.

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

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