

# BELZONA RESTORES OFFSHORE CRANE ROOF

ID: 5828

Industry: Oil & Gas  
Application: SOS-Ships and Offshore Structures

Customer Location: Gulf of Mexico, USA  
Application Date: March 2014

Substrate: Carbon Steel

Products: \* Belzona 1121 (Super XL-Metal) ,  
\* Belzona 3111 (Flexible Membrane)/Belzona 9311 (Reinforcing Sheet) ,  
\* Belzona 3921 (GSC Surface Conditioner) ,  
\* Belzona 9111 (Cleaner Degreaser) ,

## Problem

Severe corrosion deteriorated the crane roof, causing hole through/thin wall defects and loss of structural integrity.



## Photograph Descriptions

- \* Crane roof before restoration. ,
- \* Crane roof after grit blasting. ,
- \* Plate bonding installed using Belzona 1121 to adhere plates. ,
- \* Completed application - fully reinforced two coat system of Belzona 3111/9311. ,

## Application Situation

Crane roof on offshore production platform.

## Application Method

The crane roof was grit blasted to SP 10 with a minimum anchor profile of 3 mils. The repair area was cleaned and degreased with Belzona 9111. All through/thin wall defects were repaired with the Belzona Plate Bonding System using Belzona 1121 to adhere plates. Belzona 3921 was installed by brush and allowed to cure. A two layer system of Belzona 3111 was installed, incorporating Belzona 9311 in the first layer.

## 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  
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Due to the severe deterioration of the roof, the crane operators were no longer protected from the weather when operating. Replacement of the crane cab was very expensive plus a great deal of downtime. Restoration of the crane roof using the Belzona system was less than US \$3,000 for materials and labor with no downtime.

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