BELZONA RESTORES OFFSHORE CRANE ROOF

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

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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.