

# BELZONA CHANGES THE SHAPE OF COLD PLATE BONDING

ID: 6371

Industry: Oil & Gas  
Application: FBC-Fans, Blowers and Compressors

Customer Location: Gulf of Mexico, USA  
Application Date: August 2016

Substrate: Carbon Steel  
Products: \* Belzona 1121 ,

## Problem

The customer had a 1" inlet into a 20" flare line. The threads of the 1" pipe were corroded and holed through. Any gas leaking out would be a major safety hazard.



## Photograph Descriptions

- \* 1. Corroded inlet before the repair. ,
- \* 2. Inlet after surface preparation. ,
- \* 3. Test fit of plate bonding. ,
- \* 4. Completed cold plate bonding. ,

## Application Situation

Offshore production platform had corroded pipe with 80% of structural loss

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet FBC-6 for sealing leaks. Application was carried out by scaffolding up to the pipe rack. Surface preparation included Bristle Blasting. 1"-3" reducer was suggested by the contractor and split in half beforehand. Hose clamps were used to hold the repair until fully cured.

## Belzona Facts

Belzona was chosen due to its high strength and no need for dangerous hot work. Additionally, the Belzona 1121 was capable of resisting the pressure, temperature, and gas service of the application.

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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