

# BELZONA FLANGE REPAIR SYSTEM SAVES MONEY

ID: 456

**Industry:** Oil & Gas  
**Application:** VPF-Valves, Pipes and Fittings  
**Substrate:** Galvanised steel.  
**Products:** \* Belzona® 1321 (Ceramic S-Metal) ,  
\* Belzona® 9411 (Release Agent) ,

**Customer Location:** Offshore Oil Company - UK North Sea  
**Application Date:** November 2003

## Problem

External corrosion on the flange faces had resulted in the hoses not being able to seal correctly and as a result were considered no longer fit for purpose.



## Photograph Descriptions

- \* Four floating hoses awaiting repair ,
- \* Close up showing corrosion damage and plugs and shims fitted into place ,
- \* Completed application, awaiting dressing down and pressure testing ,

## Application Situation

Flange faces on 16", 300lb crude oil transfer hoses

## Application Method

A procedure based around Belzona Know-How System leaflet VPF-9 was used to reform the flange faces.

## Belzona Facts

The four hoses shown in the picture represent a cost to the customer if replaced of approximately £100,000 (\$160,000). All four hoses were effectively covered and tested to 18 bar according to International (OCIMF 1991) and Dunlop Oil & Marine Test Guidelines. This was done for a fraction of the cost of replacement hoses.

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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