# BELZONA® 1111 REPAIRS TO CREVICE CORROSION

ID: 84

Industry: Oil & Gas Customer Location: Offshore oil production company

Application: VPF-Valves, Pipes and Fittings Application Date: June 1997

Substrate: Inconel

Products: \* Belzona® 1111 (Super Metal),

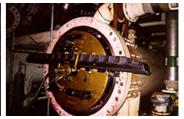
#### Problem

Incorrect joint material caused extensive crevice corrosion on two separate coolers









## **Photograph Descriptions**

- \* Inspection of the crevice corrosion being undertaken,
- \* Typical crevice corrosion pitting apparent on the flange face. ,
- \* The Belzona repair completed without removal of the tube bundle,
- \* The time consuming alternative on-site machining after welding,

### **Application Situation**

Flange faces of gas cooler

## **Application Method**

Application was carried out in accordance with Belzona System Leaflets VPF-1 and VPF-13. Only the localized corrosion pitting was rebuilt on these units and dressing back to profile was carried out using hand tools.

#### **Belzona Facts**

Belzona repairs were completed in just six hours avoiding the need to weld and machine to size which would have taken several days. This saved gas production losses estimated at tens of thousands of pounds.

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

ISO 9001:2015 Belzona products are
FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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