

# NOZZLE STABILISATION AT ONSHORE GAS PLANT

ID: 458

Industry: Oil & Gas

Application: VPF-Valves, Pipes and Fittings

Substrate: Steel.

Products: \* Belzona® 1111 (Super Metal) ,  
\* Belzona® 1391 (Ceramic HT Metal) ,  
\* Belzona® 5111 (Ceramic Cladding) ,  
\* Belzona® 6111 (Liquid Anode) ,

Customer Location: Gas Processing Plant - UK

Application Date: July 2003

## Problem

*Under insulation corrosion had caused severe wastage of the neck of five nozzles on this gas stabilisation tower. As the vessel is manufactured to a strict code, any welding would have required extensive subsequent heat treatment.*



## Photograph Descriptions

- \* Gas stabilisation tower being sheeted ready for grit-blasting ,
- \* CUI Corrosion damage to the neck of the nozzle ,
- \* Completed application following injection of Belzona® 1391 and application of Belzona® 5111/6111 ,

## Application Situation

Corroded 2.5" nozzles on gas stabilisation vessel.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets VPF-11a and TCC-5.

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  
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9000 Registered Quality  
Management System.

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## Belzona Facts

A doubler assembly was manufactured from a curved plate and oversize pipe. This was then cut to allow easy assembly. The plate was then sealed and injected with Belzona® 1391 to act as an adhesive. Once completed the whole assembly was protected from further corrosion by application of Belzona® 5111 and Belzona® 6111. Application reported OK in February 2008 and many other similar applications carried out for the client.

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