

# Belzona internal lining to protect offshore process vessels

ID: 5170

Industry: Oil & Gas  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Carbon Steel  
Products: \* Belzona 1391S and 1391T ,

Customer Location: Oil and Gas Producer, UK North Sea  
Application Date: 2013

## Problem

*New build vessel, corrosion and erosion protection*



## Photograph Descriptions

- \* View of the HP Separator ,
- \* Surface preparation completed and identification of the areas to be stripe coated ,
- \* Spray application in progress ,
- \* Completed application after inspection ,

## Application Situation

2 x HP and 1 x LP Separators (max operating 85°C and 11 bar, Oil/Gas/Water mixture) and knock out drums designed in carbon steel and specified with Belzona internal lining as an alternative to internal metal cladding.

## Application Method

Application carried out according to the project Method Statement and Quality Control Procedure. Belzona 1391T was used to stripe coat, prior to spray application of Belzona 1391S as a 2 coat system. Lining integrity inspection was carried out using a high voltage holiday detector (spark tester). Application was carried out in accordance with Belzona Know-How System Leaflets - TCC-5 for protecting and rebuilding steelwork

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  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**  
Repair • Protect • Improve

## Belzona Facts

This engineering company was awarded the EPC contract based on their proposal to internally line process vessels using Belzona materials as an alternative to stainless steel cladding. As part of this project, one package was awarded to a fabricator in the Netherlands (3 separators) and another package was awarded in the UAE (6 knock out drums).

---

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  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

