

# BELZONA UPGRADE TO LARGE TRANSFORMER

ID: 3090

Industry: Power  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Steel  
Products: \* Belzona® 1161 (Super UW-Metal) ,

Customer Location: Power plant, North of France  
Application Date: January 2012

## Problem

Oil was leaking from many of the flanges. Replacing the seals was not an option. This would have required draining the 42 tonnes of oil from the transformer as well as individually dismantling the 70 flange faces, a very time-consuming task.



## Photograph Descriptions

- \* Original condition of the flange faces ,
- \* Repair with Belzona® 1161 and Belzona® 9341 ,
- \* Belzona being applied to encapsulate the bolts ,
- \* Finished application. ,

## Application Situation

70 Flange faces of one of the transformers. Large transformer with no fewer than 70 flanged joints.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet VPF-11a.. After the surface was prepared using an MBX Bristle Blaster followed by degreasing the substrate, Belzona® 1161 and Belzona® 9341 (Reinforcement tape) were applied onto the whole surface of the flange faces in order to stem the leaks.

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.

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## Belzona Facts

Belzona offered a cost-effective solution to the client to cold-seal the leaking flange faces without the need to drain down the oil. The application only took two weeks to complete, far less than the alternative of replacing the seals, and allowed a quick return in service of the transformer.

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