

# BELZONA REFORMS CLARIFIER SHAFT

ID: 3758

Industry: *Water / Wastewater*  
Application: *MPT-Mechanical Power Transmission*

Customer Location: *Water treatment plant, Bilbao, Spain*  
Application Date: *June 2012*

Substrate: *Steel*  
Products: *\* Belzona® 1321 (Ceramic S-Metal) ,*

## Problem

*The damaged shaft had to be repaired but it could not be dismantled so an in-situ repair was required.*



## Photograph Descriptions

- \* Shaft before application ,
- \* Former in place ,
- \* Injection of Belzona® 1321 in progress ,
- \* Rebuilt shaft ,

## Application Situation

Vertical shaft of clarifier. 6 meters length and 20 centimetres diameter

## Application Method

The application was carried out in accordance with the Belzona Know-How System Leaflet MPT-2. The shaft diameter was reformed using a pre-made former and injecting Belzona® 1321.

## Belzona Facts

As a result of the application using a forming technique, the shaft could be repaired in situ without dismantling it, minimising downtime and disruptions to the client's facilities and operations.

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  
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