

# BELZONA ROTARY WATER STRAINER WHEEL

ID: 30

Industry: Oil & Gas  
Application: SOS-Ships and Offshore Structures

Customer Location: Oil Refinery Power Station in Trinidad  
Application Date: December 1992

Substrate: Cast iron  
Products: \* Belzona® 1311 (Ceramic R-Metal) ,  
\* Belzona® 1321 (Ceramic S-Metal) ,  
\* Belzona® 1341 (Supermetalgilde) ,

## Problem

Extensive erosion/corrosion to the strainer wheel assembly which is in salt water service



## Photograph Descriptions

- \* The wheel, note the extensive erosion/corrosion ,
- \* Application of Belzona® 1311 (Ceramic R-Metal) in progress ,
- \* Finished application with the gear assembly in place ,

## Application Situation

Rotary water strainer wheel

## Application Method

Application was carried out in accordance with a modified version of Belzona Know-How Leaflets SOS-1 and SOS-2.

## Belzona Facts

Belzona® 1341 (Supermetalgilde) was used to hold the blast, and formers were used to rebuild the vanes. The entire wheel was rebuilt with Belzona® 1311 (Ceramic R-Metal) and overcoated with Belzona® 1321 (Ceramic S-Metal). The application saved the operation of the plant since a replacement wheel was no longer available.

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

---

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)

