

# BELZONA REFURBISHMENT OF COOLING WATER PUMP DIFFUSER

ID: 427

**Industry:** Power  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Cast iron  
**Products:** \* Belzona® 1311 (Ceramic R-Metal) ,  
\* Belzona® 1341 (Supermetalgilde) ,

**Customer Location:** Power station in Egypt  
**Application Date:** April 2002

## Problem

Severe erosion-corrosion.



## Photograph Descriptions

- \* Severity of erosion clearly evident ,
- \* Surface preparation by grit blasting ,
- \* Erosion rebuilt using Belzona® 1311 ,
- \* Coating with Belzona® 1341 underway ,

## Application Situation

Diffuser and bell-mouth from main cooling water lift pump.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-1, CEP-3 and CEP-5.

## Belzona Facts

Importing of new diffuser and bell-mouth would take six months to deliver at cost of \$100,000. Belzona application cost only \$2,800 and the pump was ready to go back to service in 48 hours.

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

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manufactured under an ISO  
9000 Registered Quality  
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