

# MAIN COOLING WATER PUMPS PROTECTED WITH BELZONA

ID: 985

Industry: Power  
Application: CEP-Centrifugal Pumps  
Substrate: Cast iron  
Products: \* Belzona® 1111 (Super Metal) ,  
\* Belzona® 1341 (Supermetalgilde) ,

Customer Location: Coal fired power station - UK  
Application Date: 2004

## Problem

Erosion corrosion particularly on main wearing rings, cut water and delivery tubes.



## Photograph Descriptions

- \* Scale of pumps can be gauged from the delivery tubes ,
- \* Suction side coated ,
- \* Degree of corrosion evident on the delivery tubes ,
- \* Completed coating ,

## Application Situation

Allen Gwynnes cooling pumps. These pumps are capable of delivering 120,000 gallons of cooling water per minute.

## Application Method

Carried out in accordance with Belzona system leaflets CEP-1 and CEP-3. Particular attention was paid to surface preparation with repeated steam cleaning and grit blasting used to remove salt contamination.

## Belzona Facts

A competitive ceramic coating had previously been used. Although lower in cost it did not provide the efficiency enhancement that Belzona® 1341 does with its subsequent pay-back. Application still OK in 2007.

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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