

# BELZONA® REBUILT CUTWATER EDGE OF COOLING PUMP

ID: 1481

Industry: Power  
Application: CEP-Centrifugal Pumps  
Substrate: Cast iron  
Products: \* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1321 (Ceramic S-Metal) ,

Customer Location: Nuclear Power Plant, Bulgaria  
Application Date: May, 2010

## Problem

Erosion and corrosion caused wear of cutwater edge and as a result reduced pump efficiency occurred



## Photograph Descriptions

- \* 1. Cutwater after grid blasting ,
- \* 2. Preparation of cutwater framework for screwing steel mesh ,
- \* 3. Cutwater profile restoration with Belzona 1311 in progress ,
- \* 4. Completed application with two coats Belzona 1321 ,

## Application Situation

Double Suction Centrifugal Cooling Pump

## Application Method

Application procedures were carried out in accordance with Belzona Know-How System Leaflets CEP-1 and CEP-3.

## Belzona Facts

Previous attempts were made by welding of cutwater edge but without success and additionally stress cracks were appeared. Belzona cold applied approach for pump cutwater rebuild saved both time and money over traditional repairs by welding and machining without secondary problems.

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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