

# ENHANCING PUMP EFFICIENCY WITH BELZONA

ID: 814

Industry: *Buildings & Structures*  
Application: *CEP-Centrifugal Pumps*  
Substrate: *Cast iron*  
Products: *Belzona® 1311 (Ceramic-R Metal) <br>*  
*Belzona® 1341 (Supermetalgilde)*

Customer Location: *Water supply station, Egypt*  
Application Date: *February 2003*

## Problem

*The efficiency of the pump had decreased due to the eroded casing and impeller.*



## Photograph Descriptions

\* Pump removed from service , \* Cavitated impeller , \* Impeller rebuilt and coated , \* Casing completed ,

## Application Situation

Large centrifugal water pump.

## Application Method

Application procedures were carried out in accordance with Belzona® Know-How System Leaflet CEP-5 & 10.

## Belzona Facts

The pump casing and impeller were rebuilt to their original dimensions. As a result and with coating the casing and impeller with Belzona® 1341 the efficiency of the pump has been increased from 800 lit/sec. to 1100 lit/sec.

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