

# Belzona Overhauls a Pump in a Waste Incineration Plant

ID: 8620

Industry: Power  
Application: CEP-Centrifugal Pumps  
Substrate: Steel  
Products: \* Belzona 1111 (Super-Metal) ,  
\* Belzona 1381 ,  
\* Belzona 1813 ,

Customer Location: Poland  
Application Date: October 2021

## Problem

*After a local inspection, a technology was developed to repair damaged pump components based on a coating system that increases erosive resistance for demanding pump operating conditions.*



## Photograph Descriptions

- \* 1 - Damaged Pump ,
- \* 2 - Cracked Casing to be repaired with Belzona 1111 ,
- \* 3 - Internal Lining coated Belzona 1381 ,
- \* 4 - Completed Application ,

## Application Situation

Duchting Pumpen MC 300-500 after many years of operation was damaged by numerous body cracks and other damage.

## Application Method

The scope of work carried out with Belzona materials included, among others:

- repair of pump body crack
- replenishment of cavities, protection of the rotor and body

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.

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- restoration of the nominal load-bearing parameters of the structure of the cracked pump body
- regeneration of the retaining ring
- regeneration of the inner ring in the pump body All inline with Belzona system leaflet CEP-5

## Belzona Facts

☞ Cost and time savings – thanks to the regeneration and restoration of damaged components, it was possible to avoid expensive purchases and long waits for new parts. ☞ Belzona coating system increased erosive resistance and protected the pump for harsh environments. After 6 months from the start of the pump, the customer gave us another similar pump for repair and regeneration.

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