

BELZONA OVERHAULS A PUMP IN A WASTE INCINERATION PLANT

ID: 8620



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.

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
- 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.

INDUSTRY

Power

LOCATION

Poland

APPLICATION DATE

October 2021

PRODUCTS

Belzona 1111 (Super-Metal)
Belzona 1381
Belzona 1813

SUBSTRATE

Steel

PHOTOS

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

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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