

## BELZONA OVERHAULS A PUMP IN A WASTE INCINERATION PLANT

### CUSTOMER

Poland

### APPLICATION DATE

Oct-21

### APPLICATION SITUATION

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

### 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.

### PRODUCTS

Belzona 1111 (Super-Metal)

Belzona 1381

Belzona 1813

### SUBSTRATE

Steel

### 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.

### PICTURES

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



1.



2.



3.



4.

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