

## BELZONA PUMP REPAIR - FROM A TO Z

### CUSTOMER

Water Plant - Egypt

### APPLICATION DATE

April 2005

### APPLICATION SITUATION

Centrifugal pump

### PROBLEM

The pump casing, cut water, straighteners, wear ring and gland housing were all suffering from erosion-corrosion. Also, there was a long crack on the cut water.

### PRODUCTS

Belzona® 1311 (Ceramic R-Metal)

Belzona® 1321 (Ceramic S-Metal)

### SUBSTRATE

Cast Iron

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-1, CEP-2, CEP-3, CEP-5 and CEP-6.

### BELZONA FACTS

Belzona repaired everything in the pump - from the casing to the cut water and straighteners, including repairing the wear ring seat and the gland housing. In short Belzona returned this pump which was going to be junk to work again successfully saving the replacement costs of new pump and providing more resistance to the effects of erosion-corrosion than new one.

### PICTURES

1. General view of the pump before repair.
2. The pump after surface preparation.
3. Crack of cutwater was repaired and the cutwater and the straighteners were rebuilt.
4. Repair complete. Note how the seats and gland housing were perfectly repaired.



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008  
Q 09335  
ISO 14001:2004  
EMS 509612

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