

## VALVE REPAIR AND PROTECTION WITH BELZONA

### CUSTOMER

Power plant, Egypt

### APPLICATION DATE

June 2004

### APPLICATION SITUATION

Automatic chemicals valve.

### PROBLEM

Old polypropylene lining was worn and damaged due to chemical attack.

### PRODUCTS

Belzona® 1311 (Ceramic R-Metal)  
Belzona® 1321 (Ceramic S-Metal)  
Belzona® 5811 (Immersion grade)

### SUBSTRATE

Cast Iron

### APPLICATION METHOD

Application was carried out in accordance with modified version of Belzona Know-How System Leaflet VPF-1 and VPF-2. A former was made by casting Belzona® 5811 to take the inner shape of the valve. The eroded areas were then rebuilt with Belzona 1311, using the Belzona® 5811 former to restore the inner curvature profile of the valve. After finishing the surface it was coated with Belzona® 1321 to protect the valve.

### BELZONA FACTS

Belzona repaired the valve and protected it using simple economic means. It was important to retain the inner dimensions of the valve as this affects the performance of the valve.

### PICTURES

1. The valve before repair
2. Former made by casting with Belzona® 5811
3. Belzona® 1311 applied to the valve
4. Two valves were repaired and protected



1.



2.



3.



4.

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



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