

## BELZONA PROTECTS 6 PUMP IMPELLERS AGAINST CAVITATION DAMAGE

### CUSTOMER

Saudi Arabia

### APPLICATION DATE

2018

### APPLICATION SITUATION

6 Centrifugal Pump Impellers at an O&M company.

### PROBLEM

Impeller veins were experiencing cavitation which was reducing wall thickness and leading to through-wall defects.

### PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1341 (Supermetalgilde)

Belzona 2141 (ACR-Fluid Elastomer)

### SUBSTRATE

Steel

### APPLICATION METHOD

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet CEP-1, after thorough surface preparation and cleaning, the damaged parts of the impeller were rebuilt with Belzona 1311. Then Belzona 1341 was used to provide protection before Belzona 2141 was applied to protect from cavitation.

### BELZONA FACTS

This customer had previously been replacing the damaged impellers every 6 to 8 months. Upon hearing about the Belzona solutions and seeing examples of it in action, they agreed to try this application instead of replacing the impeller every time.

### PICTURES

1. Damage beforehand
2. Application in progress
3. Completed pump



1.



2.



3.

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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