

BELZONA REBUILDS CAVITATED VANES

CUSTOMER

Power plant, Egypt

APPLICATION DATE

April 2004

APPLICATION SITUATION

Five impellers of cooling pumps

PROBLEM

Severe cavitation caused holes, pittings and deformation in the profile of the vanes.

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-3 and CEP-5.

BELZONA FACTS

Belzona rebuilt the cavitation and pitting damage in the vanes restoring the correct profile using a simple technique, saving replacement costs and also providing more resistance to future cavitation.

PICTURES

1. General view of the five impellers
2. The cavitated vanes
3. Rebuilding the vanes using Belzona® 1311
4. Finished Impellers coated with Belzona® 1321



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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