

Belzona® Rebuilds Cavitated Vanes



General view of the 5 impellers.



The cavitated vanes.



Rebuilding the vanes using
Belzona® 1311



Finished Impellers coated with
Belzona® 1321

STATISTICS

CUSTOMER

Power Plant,
Egypt

APPLICATION DATE

April 2004

SUBSTRATE

Cast iron

PRODUCTS

Belzona® 1311
(Ceramic R-Metal)
Belzona® 1321
(Ceramic S-Metal)

APPLICATION SITUATION

5 impellers of cooling pumps.

PROBLEM

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

APPLICATION METHOD

Application was carried out in accordance with a modified version of Belzona® Know-How System Leaflets CEP-3 and -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.