

BELZONA REBUILDS AND PROTECTS VANES

ID: 614



PROBLEM

Vanes of the impellers were severely cavitated.

APPLICATION SITUATION

Two water pump impellers

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet CEP-1 & CEP-3.

BELZONA FACTS

Belzona rebuilt the cavitated vanes saving replacement cost of the impellers. It also provided resistance to cavitation by coating the vanes with Belzona® 1321. This application was repeated with other impellers later and the impellers are still in service.

INDUSTRY

Fluid Flow

LOCATION

Water plant, Egypt

APPLICATION DATE

February 2003

PRODUCTS

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

SUBSTRATE

Cast iron

PHOTOS

1. The cavitated vanes of the impeller
2. Preparing to rebuild the lost edges
3. Rebuilding the vanes
4. Vanes rebuilt and coated

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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under an ISO 9001 Registered
Quality Management System.

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