

BELZONA REBUILDS AND PROTECTS VANES

ID: 614

Industry: *Fluid Flow*
Application: *CEP-Centrifugal Pumps*
Substrate: *Cast iron*
Products: ** Belzona® 1311 (Ceramic R-Metal) ,*
** Belzona® 1321 (Ceramic S-Metal) ,*

Customer Location: *Water plant, Egypt*
Application Date: *February 2003*

Problem

Vaness of the impellers were severely cavitated.



Photograph Descriptions

- * The cavitated vanes of the impeller ,
- * Preparing to rebuild the lost edges ,
- * Rebuilding the vanes ,
- * Vanes rebuilt and coated ,

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.

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

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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