

# BELZONA SAVES MORE THAN 1 BILLION US DOLLARS

ID: 1165

Industry: *Fluid Flow*  
Application: *CEP-Centrifugal Pumps*  
Substrate: *Cast iron*  
Products: *\* Belzona® 1111 (Super Metal) ,*  
*\* Belzona® 1311 (ceramic R Metal) ,*  
*\* Belzona® 1321 (Ceramic S Metal) ,*

Customer Location: *Potash Producer, Jordan*  
Application Date: *July 2008*

## Problem

*Extreme erosion & corrosion of the internal body. Fifteen vanes badly eroded.*



## Photograph Descriptions

- \* Body & Vanes severely damaged ,
- \* Application team at work after Blasting and Sweet Water washing for 6 days to remove heavy salt contamination ,
- \* Final touch-up ,
- \* Smooth operation after 2 months, pumping 18,000 Cu.m/hr ,

## Application Situation

Diffuser end section from main intake lift pump station handling highly saline sea water.

## Application Method

Application was carried out in accordance with Belzona System Leaflets CEP-1, CEP-2, CEP-3, CEP-4, CEP-5 and CEP-6.

## Belzona Facts

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.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA®**  
Repair • Protect • Improve

Importing new part would take minimum 6 months to deliver at a cost of \$500,000 and loss of production market value of \$933 millions. Belzona material and application cost was \$59,000 which equals 12% of the new part and 0,0006% of the production selling value.

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