

# 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

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.

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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