

# Belzona Elastomer Repairs a Francis Turbine

ID: 8199

Industry: *Power*  
Application: *CEP-Centrifugal Pumps*  
Substrate: *Steel*  
Products: *\* Belzona 2941 ,  
\* Belzona 2141 ,  
\* Belzona 1221 ,  
\* Belzona 9121 ,*

Customer Location: *Poland*  
Application Date: *2019*

## Problem

*Mechanical damage of Francis turbine blades due to strong cavitation.*



## Photograph Descriptions

- \* Francis turbine rotor after grit blasting ,
- \* Reprofiled with Belzona 1221 ,
- \* Application of Belzona 2141 ,
- \* Completed Application ,

## Application Situation

Damaged Francis Turbine

## Application Method

Abrasive grit blasting. Dedusting and degreasing the surface with Belzona 9121. Reprofilng cavities with Belzona paste 1221 Applicationg Belzona 2941 and then Belzona elastomer application 2141 in a system of two layers. In line with Belzona Know-How System Leaflet CEP-3.

## Belzona Facts

Belzona has a proven product range for repair and protection against cavitation. Due to many case studies the client felt confident opting for Belzona.

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  
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