

# Belzona Protects Inlet Spools of an Alstom Seawater Pump

ID: 8787

Industry: Power  
Application: CEP-Centrifugal Pumps  
Substrate: Cast Iron  
Products: \* Belzona 1311 (Ceramic R-Metal) Belzona 9341 (Reinforcement Sheet) Belzona 1321 (Ceramic S-Metal) ,

Customer Location: Jorf Lasfar, Morocco  
Application Date: November 2020

## Problem

The inlet spool of an Alstom sea pump was cracked (1500mm along the length of the spool) on the outside and suffered corrosion due to sea water, therefore needing to be repaired and protected against future wear along with other parts of the pump.



## Photograph Descriptions

\* 1). Original condition of the Inlet Spool. 2). Surface preparation, termination and V-ing out of the 1500mm crack. 3). Reloading of the inlet spool crack and partial coating application. 4). Completed application overcoated with Belzona 1321. ,

## Application Situation

Inlet spool of a sea pump at a Thermal Power Plant.

## Application Method

The crack in the inlet spool was terminated and V-ed to prevent future crack propagation, and was then filled in using Belzona 1311 and Belzona 9341 reinforcement sheet from both inside and outside of spool. The whole spool was then overcoated using Belzona 1321. The application was carried out in accordance with Belzona System Leaflet CEP-06 & PDP-05.

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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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## Belzona Facts

The turbine is still in service today and is holding up well to it's operational environment - the customer therefore approves of the quality of the repairs and durability of the Belzona products used.

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