

# BELZONA RESTORES TWO PUMP IMPELLERS

ID: 850

**Industry:** General Industry  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Bronze  
**Products:** \* Belzona® 1111 (Super Metal) ,  
\* Belzona® 1321 (Ceramic S-Metal) ,

**Customer Location:** Oyster culture, The Netherlands  
**Application Date:** April 2007

## Problem

The two impellers had severe damage because a large bolt was left in the inlet of the pump



## Photograph Descriptions

- \* Damaged impeller ,
- \* Stainless steel infill plates ,
- \* Belzona® 1111 used to bond plates and restore profiles ,
- \* One repaired alongside one still to be repaired ,

## Application Situation

Pumps used in oyster cultivation

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-1 & 3. Steel plates were formed to recreate the lost vanes. Wire mesh was also incorporated into the Belzona rebuild as the original profile was restored. Repair was coated with Belzona® 1321 to give additional smoothness and erosion protection.

## Belzona Facts

Replacement impellers were not available in the time scale required to maintain the Oyster production.

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

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9000 Registered Quality  
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