

# BELZONA PERFORMANCE IMPROVEMENT PROGRAM (PIP) BOOSTS OUTPUT

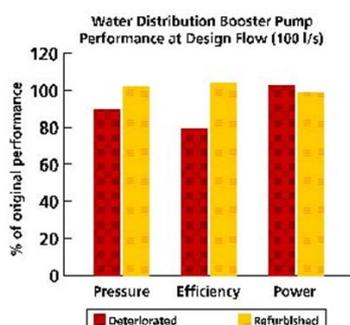
ID: 165

Industry: Water / Wastewater  
Application: CEP-Centrifugal Pumps  
Substrate: Cast iron casing / Bronze impeller  
Products: \* Belzona® 1111 (Supermetal) ,  
\* Belzona® 1341 (Supermetalglide) ,

Customer Location: Water Distribution Company  
Application Date: May 1995

## Problem

Reduced output from booster pumps which required standby unit to operate continuously to provide adequate flow



## Photograph Descriptions

- \* Pump house showing pump unit ,
- \* Performance improvement information ,
- \* The completed application following refurbishment ,

## Application Situation

Water transmission pumping station

## Application Method

The application was carried out in accordance with Belzona P.I.P. computer generated engineering specification following a detailed workshop inspection.

## Belzona Facts

Due to the reduced output of the pump units and the increased demand for water, each unit was removed for inspection and repairs and coating were carried out in line with Belzona P.I.P. recommendations. The pumps were then tested prior to re-installation on-site where dramatic results of all five units were observed. Under normal demand only three pumps are required instead of five. Flow has increased from 65 liters/sec. to 125 liters/sec. at the required pressure. Power consumption was reduced by 5%. Pump efficiency increased by 24%.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
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Belzona products are  
manufactured under an ISO  
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