

# Repair of Wind Turbine Bearing Sockets with Belzona

ID: 8556

Industry: Power  
Application: MPT-Mechanical Power Transmission

Customer Location: Poland  
Application Date: August 2021

Substrate: Steel  
Products: \* Belzona 1111 (SuperMetal) ,

## Problem

*Knockout of bearing sockets - manifested by loud, irregular operation of wind turbine gears.*



## Photograph Descriptions

- \* Image 1: Bearing Socket ,
- \* Image 2: Bearing Socket in Situ with Belzona 1111 Applied ,
- \* Image 3: Bearing sockets re-built with Belzona 1111 ,
- \* Image 4: bearing back in situ. ,

## Application Situation

A wind turbine required a regeneration of wind turbine gear bearing sockets to be restored to it's original profile.

## Application Method

Applied in accordance with Belzona system leaflet MPT-7.

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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## Belzona Facts

Belzona 1111 can be applied in situ with a fast return to service. 100% solid material there is no shrinkage allowing a regeneration of the original bearing socket to it's previous profile, saving time and money due to a reduced downtime and no specialist equipment required.

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