

# BELZONA REFURBISH BLAST FURNACE "BELL ROD" IN-SITU

ID: 130

Industry: General Industry  
Application: MPT-Mechanical Power Transmission

Customer Location: Steel Mill in Mid West of U.S.A.  
Application Date: February 1995

Substrate: Steel  
Products: \* Belzona® 1311 (Ceramic R-Metal) ,  
\* Belzona® 1321 (Ceramic S-Metal) ,

## Problem

Chrome plating on the rod had been damaged in places which had allowed corrosion to take place. The size and location of the part made preparation difficult and reduced the opportunity for dimensional finishing of the job after application.



## Photograph Descriptions

- \* View of the damaged bell rod ,
- \* Belzona® 1321 being injected into the former ,
- \* The completed job with admiring crowd ,

## Application Situation

'Bell Rod' on top of blast furnace, 60 metres above ground level

## Application Method

Application was carried out in accordance with a modified version of BelzonaKnow-How Leaflet MPT-2.

## Belzona Facts

To obtain a replacement part would have taken up to a month and would have resulted in production losses of over \$1,000,000. The Belzona solution took only two days and costs, including labour, amounted to just over \$50,000.

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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manufactured under an ISO  
9000 Registered Quality  
Management System.

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