

# BELZONA REPAIRS MASSIVE FAILURE OF KILN SUPPORT CASINGS

ID: 447

Industry: *Cement*  
Application: *ENC-Engines and Casings*  
Substrate: *Cast Iron*  
Products: *\* Belzona® 1111 (Super Metal) ,*

Customer Location: *Cement works in Egypt*  
Application Date: *March 2004*

## Problem

*Casings on trunnion supports shattered due to the breakage of the roller neck.*



## Photograph Descriptions

- \* General view of the trunnion supports ,
- \* The shattered casings ,
- \* One of the fabricated strengthening plates in position ,
- \* Belzona® 1111 used to bond and seal the cracked casing ,

## Application Situation

Rotary kiln used in cement production

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet ENC-1.

## Belzona Facts

Various strengthening plates and straps were used to add strength to the repairs. Two large casings were completely restored. Alternative was the replacement at the cost of \$20,000 each and six months delivery time.

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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