

# BELZONA RECOVERS ELECTRIC ENERGY TRANSMISSION TOWER BASE

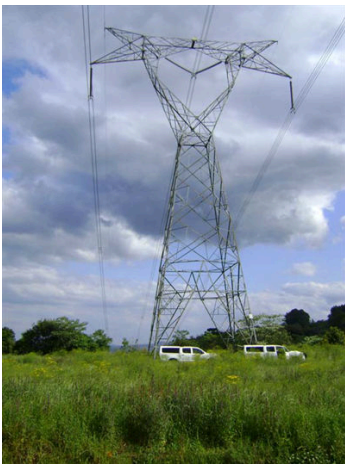
ID: 5620

**Industry:** Power  
**Application:** GSS-Gaskets, Seals and Shims  
**Substrate:** Concrete and galvanized steel  
**Products:** \* Belzona 4111 (Magma-Quartz) ,  
\* Belzona 4911 (Magma TX Conditioner) ,  
\* Belzona 3111 (Flexible Membrane) ,

**Customer Location:** Electric Energy Company, Brazil  
**Application Date:** October 2008

## Problem

Due to the transmission towers being exposed to weathering, its concrete bases suffer from deterioration. The accumulated rainwater tends to oxidize the structure of the tower, weakening the metal base.



## Photograph Descriptions

- \* View of the transmission tower ,
- \* Deteriorated base ,
- \* Application of Belzona 4111 ,
- \* Waterproofed base with Belzona 3111 ,

## Application Situation

Concrete base of the leg of the transmission tower.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet GSS-3. Firstly, the concrete surface was abraded, cleaned and allowed to dry. The conditioner, Belzona 4911, was applied and allowed to dry. Belzona 4111 was then applied. After the completed cure time and dry to the touch of Belzona 4111, Belzona 3921 was applied and after the specific

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  
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amount of time, Belzona 3111 was applied.

## Belzona Facts

Belzona offered the customer an excellent cost effective solution, recovering and waterproofing the area susceptible to water accumulation.

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