Know-How*in Action*

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BELZONA SEALS WIND TURBINE TOWER BASE AGAINST WATER INGRESS

CUSTOMER
Wind Farm, Sweetwater Texas, USA

APPLICATION DATE
Summer 2016

APPLICATION SITUATION
Wind Power Tower Base

PROBLEM
Rain water and moisture seeps into the ground and into the wind turbine structure through the base around the tower structure. This over time affects the concrete base and propagates cracks and corrosion at the base of the tower.

PRODUCTS
Belzona 3111 (Flexible Membrane)
Belzona 3911 (PSC Surface Conditioner)

SUBSTRATE
Concrete and Metal

APPLICATION METHOD
The application was carried out in accordance with a modified version of Belzona System Leaflet WPA-1.

BELZONA FACTS
Belzona 3111 was a great and easy way to seal the base of the structure and the concrete.The application was simple to do and gave the Customer that extra flexibility in that area. Short of sealing with some type of concrete filler they had few options for solvind this problem. Sealing the tank base with Belzona 3111 proved to be a cost-effective solution with minimall downtime adn interruption to the operation of the turbine.

PICTURES
1. The damaged area aroung the tower base was cleaned and all loose debris was removed. The area was made structurally sound for the application of Belzona 3111.
2. The application area being outlined.
3. Application of Belzona 3111 underway.
4. Application completed and tower base sealed with Belzona 3111.

1.

2.

3.

4.

ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

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