

Belzona Repairs and Protects Wind Turbine Columns

ID: 8771

Industry: Power
Application: CEP-Centrifugal Pumps
Substrate: Carbon Steel
Products: * Belzona 1331 ,

Customer Location: Wind Farm, TX
Application Date: 2022

Problem

Damage on the surface of the columns caused by salt deposits from rain and fog settlements. Elements create corrosive areas on equipment and metallic columns are no exception. The Customer felt if the issue was not addressed in due time, through-wall defects could lead to a loss of structural integrity, which could pose a bigger issue long-term.



Photograph Descriptions

- * Showing damage. ,
- * The area is prepped using an MBX Bristle Blaster, and masked off for the application. ,
- * Belzona 1331 is applied and the application is complete. ,

Application Situation

Wind turbine columns.

Application Method

Customer needed a solution requiring minimal effort from labor. Access was only by wire rope and staging basket. Abrasive media blasting was not allowed. An MBX Bristle Blaster was used to acquire a surface profile of 3 mils. MEK was used to clean and degrease the application area. Then one high-build coat of Belzona 1331 was applied by brush in one staging. The application was carried out in accordance with a modified version of Belzona System Leaflet CEP-4 and Belzona 1331 Instructions for Use.

Belzona Facts

Belzona 1331 offers outstanding erosion-corrosion resistance. In addition, because of its chemical resistant qualities, the salt

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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environment along the coast proves no match for this coating. Being a high-build coating, this application was carried out in one single pass, thus keeping labor and downtime to a minimum.

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