



MICRO-CORROSION INHIBITING COATINGS POWERED BY NANO VPCI®

CASE HISTORY SPOTLIGHT

Case History #619: Corrosion Protection at Wind Farm Substation



A new wind energy farm in Brazil was located near the ocean, exposed to strong winds and blowing sand. This took its toll on a wind power substation where power-line clamps and the areas around them quickly became badly corroded. Cortec® Technology was brought in to remedy the situation. The power was turned off, and the clamps were taken down and mechanically abraded to remove most of the corrosion. They were cleaned with VpCI®-415, dried, and reinstalled with Electric-Corr® VpCI®-239 applied inside most of the clamps. The outsides of the clamps were coated with VpCI®-396 as a primer and VpCI®-384 as a topcoat. VpCI®-396 was also applied to sections of wire on both sides of the clamps for additional protection. Other materials included VpCI®-368 for moving parts, MCI®-2020 for concrete support structures, and MCI®-2005 for a reinforced concrete sand-containment wall on the wind farm. These products provided an excellent combination of corrosion protection materials to hold up in the severe environment.

To read the full case history, please visit:

https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch619.pdf

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