



SURFACE PREPARATION PRODUCTS

Case History Spotlight #619: Clamp and Powerline Protection



Not long after installation, clamps and surrounding areas on powerlines at a wind power transfer station corroded badly due to the severe environment of strong wind and blowing sand near the ocean.

Power was turned off to do restoration work. After taking the clamps down and mechanically removing most of the corrosion, workers cleaned the clamps in [VpCI®-415](#), dried them, and sprayed [ElectriCorr™ VpCI®-239](#) inside most of them. They reinstalled the clamps and applied a [VpCI®-396](#) primer coat to the clamps and sections of wire on both sides. The clamps were top-coated with [VpCI®-384](#).

Around the substation, workers applied [VpCI®-368](#) removable coating to moving parts and applied [MCI®-2020](#) to concrete support structures. [MCI®-2005](#) was added to a large sand containment wall on the wind farm.

Together, these materials provided an integrated solution to help critical components hold up longer in an aggressive environment.

Log in to read the full case history at: <https://www.cortec-casehistories.com/>

Keywords: Case History Spotlight, powerline protection, powerline corrosion, wind power, wind farm corrosion, concrete corrosion, Cortec, VpCI, MCI, corrosion in harsh environments

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