

External corrosion protection for Gas Insulated Busbar

ID: 9265

Industry: Power

Application: VPF-Valves, Pipes and Fittings

Substrate: Carbon steel

Products: Belzona 3921 (GSC Surface Conditioner), Belzona 5111 (Ceramic Cladding)

Customer Location: Scotland

Application Date: September 2023

Problem

This Gas Insulated Busbar (GIB) is in an exposed coastal environment, there was concern that breakdown of the existing paint system & subsequent corrosion could occur on the flange & bolts. A system was needed to provide long term protection for these areas.



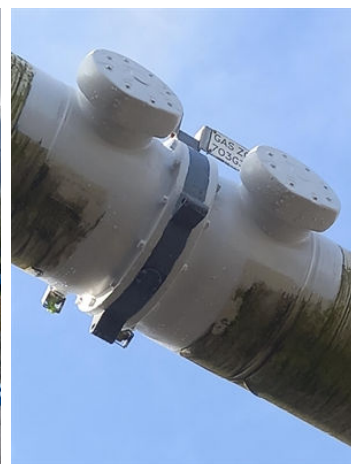
Complex geometry around the flanges



Access, cleaning & roughening of existing system



Belzona 5111 1st coat



Completed application at a later date after a rain shower. Rainwater shedding from the surface.

Application Situation

Minimal disturbance to the structure was a requirement. A long lasting corrosion resistant solution was required.

Application Method

The areas were first cleaned then the existing paint system was roughened. Belzona 3921 GSC Conditioner was used as a primer followed by two coats of Belzona 5111 Ceramic Cladding.

Belzona Facts

The Belzona 5111 provides exception durability, UV resistance & a surface that readily sheds rainwater - this yields a 'self cleaning' effect beneficial in this application.

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

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