CASE STUDY

CCS Network (ME) Ltd

Margam — Baglan Bay L13 isolator posts

SITE	DATE OF APPLICATI	POLLUTION TYPE
Margam substati Baglan Bay L13, South Wales	23 June 2020	Industrial pollution

EQUIPMENT
6 isolator posts, 275 kV

The challenge

Industrial pollution at Margam had been met with hydrocarbon grease for an estimated 15 years or more. The grease was saturated. Removal is difficult when that maintenance has not been kept up. Saturated grease is no longer flashover protection, and the longer it is left, the harder the next intervention is.

The solution

On 23 June 2020 the grease was removed and the porcelain cleaned back to the glaze. RTV silicone HVIC was sprayed to between 360 and 500 microns. Temperature, humidity and batch numbers were recorded. Adhesion, thickness and hydrophobicity were checked.

The result

Adhesion, thickness and hydrophobicity were checked. The six 275 kV posts left the outage with a hydrophobic film instead of a grease layer that had been due off for years. One coating, rather than another round of greasing.



Before



After



Finished coating

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