CASE STUDY

CCS Network (ME) Ltd

Ormonde B24 — reactor coils

SITE	CUSTOMER	DATE OF APPLICATION
Heysham Ormonde offshore wind farm, B24	Transmission Capital Services	26–27 October 2020

POLLUTION TYPE	EQUIPMENT
Saline	Reactor coils, 33 kV

The challenge

The B24 reactor coils at Heysham, on the Ormonde offshore circuit, sit in saline air. RTV silicone HVIC had been used on the resin coil surface to limit electrical tracking. That film was estimated at more than 10 years old. It had dried and lost adhesion, so the tracking protection could no longer be relied on.

The solution

The old coating was removed from the upper and lower resin sections with compressed air, and RTV silicone HVIC was sprayed back in several coats to 500 ± 140 microns. The work for Transmission Capital Services was done on 26–27 October 2020.

The result

The coils were returned with a new film at 500 ± 140 microns, in place of a coating that had dried out. A fresh RTV silicone layer keeps a conductive track from developing across the resin in salt.



Before



After



Finished coating

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