CASE STUDY

CCS Network (ME) Ltd

Pembroke — coastal survey

SITE	CUSTOMEI	SURVEY DATE
Pembro substati	Nationa Grid	20 October 2022

POLLUTIO TYPE	EQUIPMEN	CURRENT PROTECTION
Saline	13 kV, 132 kV and 400 kV insulato	RTV silicone HVIC

The challenge

Pembroke is an exposed coastal substation. Salt lands on the porcelain, and that is a pollution-flashover risk across 13 kV, 132 kV and 400 kV equipment. Most of the insulators already carry RTV silicone HVIC. The question in 2022 was how that film was lasting, and what the next maintenance step should be.

The solution

On 20 October 2022 CCS surveyed the substation for National Grid. This was a condition assessment. The coating on many circuits had already given reliable maintenance-free protection for more than 10 years, and some circuits were approaching that mark. CCS recommended cleaning and an overcoat with RTV silicone HVIC.

The result

More than a decade of coastal service, without a return to washing or greasing, is the performance case for RTV silicone HVIC at Pembroke. The next step the survey

set out is a clean and an overcoat, so the same hydrophobic protection carries on. The photographs are small in-service frames from the survey.



In service



In service

CCS Network (ME) Ltd. www.ccs-network.com