

CONNECTING DATA TO DECISIONS

Case Study 5
Italian Transmission Company

Linking Total Transformer Monitoring & Actionable Information
to Drive Business Value for Utilities

ITALIAN TRANSMISSION UTILITY



Details

Floating corona shield cone surrounding HV lead in phase V.



Evidence

HEE persistence > 6%, PD phase V, critical gas levels.

The INTEGOTM installed allowed for real time, continuous monitoring of the asset and detected fluctuations in PD occurring for several hours in a day and then remaining silent for weeks, showing very high energy (> 20 V, > 80nC).

This highlighted the existence of a loose/broken grounding connection in the corona shield cone immersed in the transformer tank, enabling the transmission utility to apply a proper action flow, leading to the failure prevention and optimization of the maintenance plan.

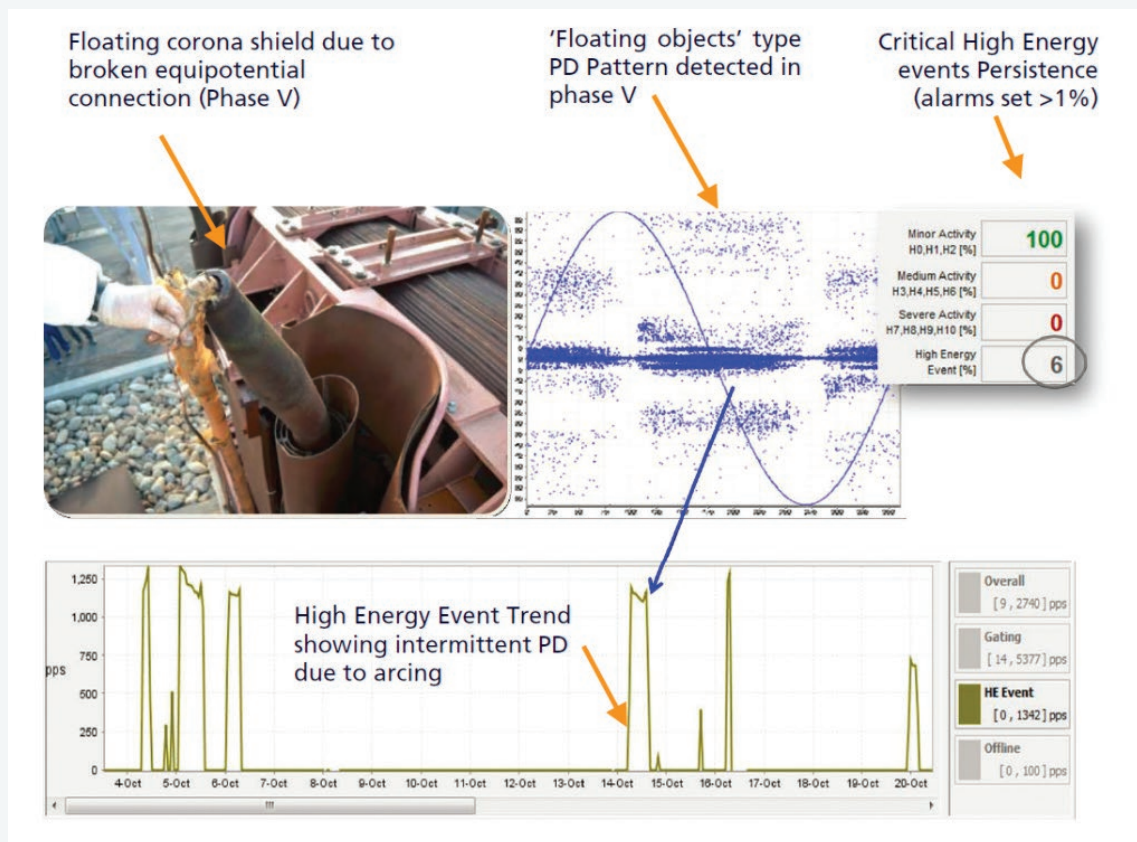


Figure 1: High Energy Event evidences, Phase V



camlin energy

Camlin Power Inc

1765 N. Elston Ave. Unit 105, Chicago, IL 60642
Email: mail@camlingroup.com
Tel: +1 773-598-4126

Camlin

31 Ferguson Drive, Lisburn, BT28 2EX,
Northern Ireland
Email: mail@camlingroup.com
Tel: +44(0) 2892 626 989

camlinpower.com