

# EA Technology's UltraTEV Monitor™ provides early alerts to 'potentially catastrophic incidents'

## Background

- Following PD Surveys which recorded high TEV readings and Ultrasonic activity being recorded, Dow Corning implemented PD monitoring systems at their manufacturing site in the UK in order to ensure they were fully aware of their assets condition.
- Following implementation of the UltraTEV Monitor™, engineers experienced the system frequently generating ultrasonic alarms.
- EA Technology attended a further site visit with additional monitoring equipment, the UltraTEV Locator™.

## Results

- High TEV readings were recorded using dual probe techniques on switchtank panels.
- Ultrasonic activity was also detected in both cable boxes, voltage transformers and current transformers.
- Further investigation and visual inspections were recommended and carried out by Dow Corning staff.

## Findings

Faults were identified at two of the locations across their site:

- Location 1: Early signs of PD were detected on the risers to a VT
- Location 1: PD was also found on a circuit breaker trunk
- Location 2: Dow Corning engineers discovered early signs of PD activity on a circuit breaker truck.

## Conclusion

The early intervention by Dow Corning prevented two serious incidents occurring. These would have been unplanned outages that would have caused lost production, inconvenience and expense.



*"Both potential incidents would have been fairly catastrophic!"  
Dow Corning engineer*



*Installation at Dow Corning Site*

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