





24/7 partial discharge (PD) monitoring system for gas insulated switchgear (GIS) of 110kV and above

For maintaining the reliability of mission critical assets

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PRODUCT CODE: PDMGIS



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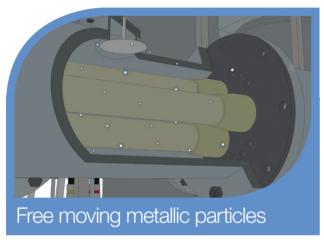
PD in GIS assets

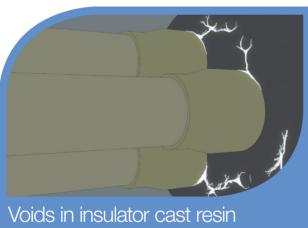
- Undetected PD activity is a major factor in GIS failures
- GIS switchgear should ideally be PD-free to maintain reliability
- PD levels as low as 5pC can cause problems

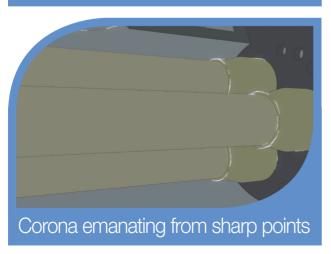


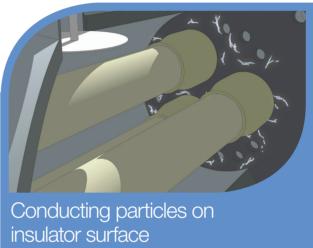
Healthy GIS installations should be PD-free

5 main causes of PD in GIS

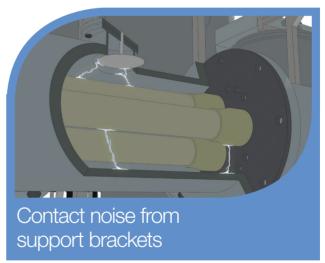






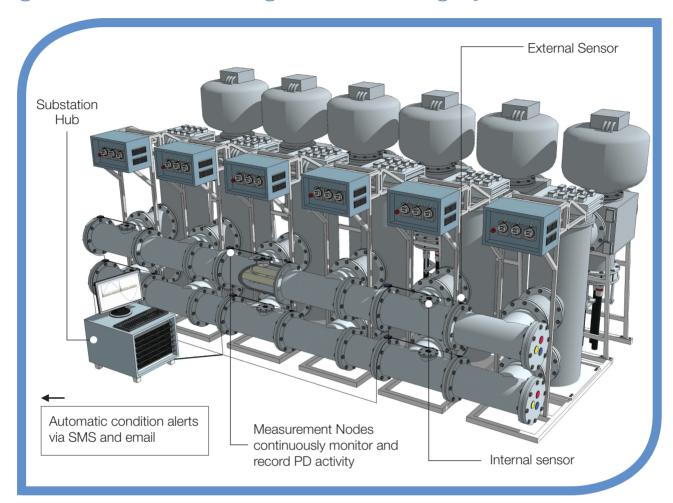








gas insulated switchgear monitoring system



cost-effective outage prevention

The PD Monitor GIS[™] is the most cost-effective retrofit available, to maintain reliability in pressurised GIS installations of 110kV and above.

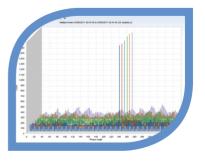
The system can simultaneously monitor assets 24/7 at over 50 sensor points. It automatically transmits alerts when PD activity reaches critical levels, with user-configurable thresholds.

essential condition data

The system automatically produces easy-to-read graphical reports on PD activity as:

- Location
- Rate
- Magnitude
- Severity (magnitude + rate)





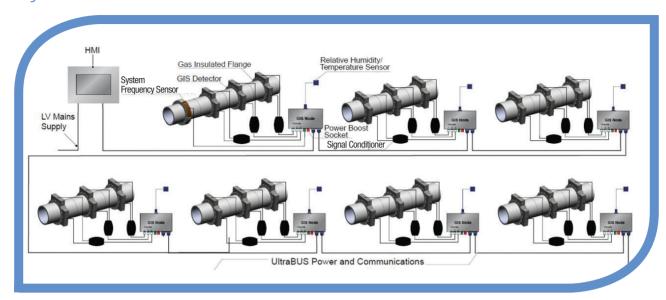
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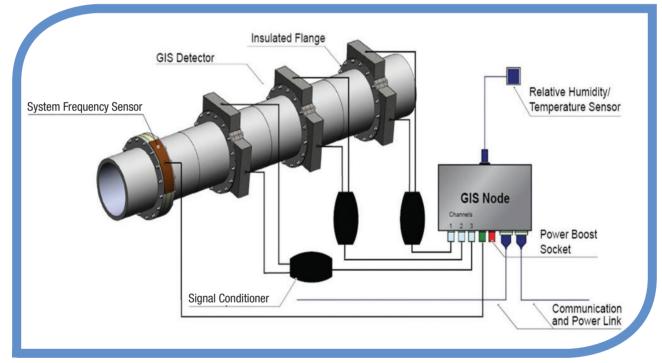






system overview























The PD Monitor GIS™ is the product of EA Technology's 35 year+ leadership in PD location and measurement

benefits

- Cost-effective retrofit for 110kV GIS and above
- 24/7 monitoring of all GIS assets, with auto-alerts
- Instant outage early warning system
- Accurate PD information means shorter repair downtime
- Trend and store PD and asset condition data over years

features

- Easy retrofit to cast resin spacers
- Non-disruptive, modular and flexible installation, with single-wire UltraBUS cabling
- Uniquely accurate time-of-flight PD location technology
- Automatic analysis and reporting of PD activity
- Remote web access to all monitored data



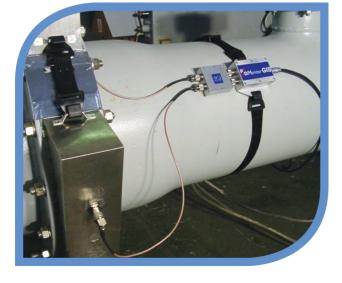
typical installations







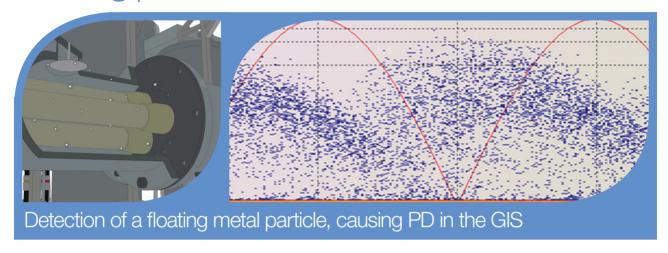
PD Monitor GISTM sensors are simply attached to the outside of assets and easy to move for reconfiguration. More than 50 sensor points can be connected neatly to the hub, using the system's single-wire UltraBUSTM, which integrates power and data communications.



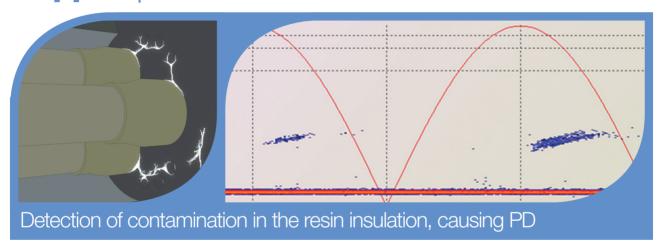


example results

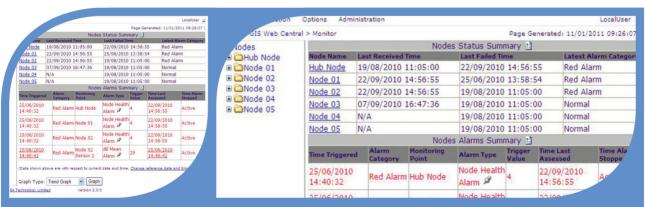
floating particle



trapped particle



PD activity and alarms report



PD activity reports can be stored and used to trend asset condition over several years





Call us now to discuss how we can help prevent outages in your GIS installations.



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