

Busbar 22kV GIS



Visible discharge busbar of GIS

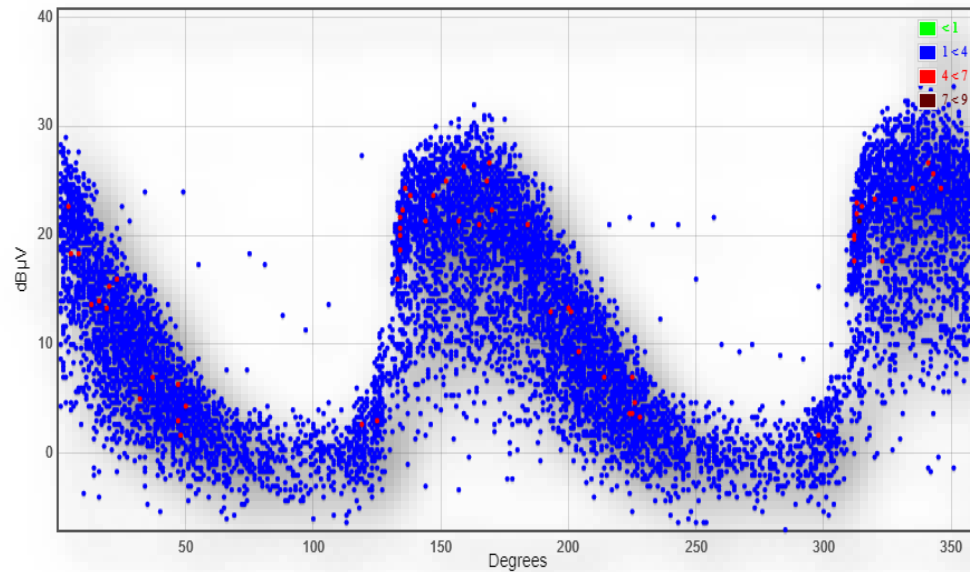
Asset:	Busbar of 22kV GIS
PD sensor:	Ultrasound from different OEM

03 March 2022	PD activity was detected at the 22kV GIS during routine online PD measurement.
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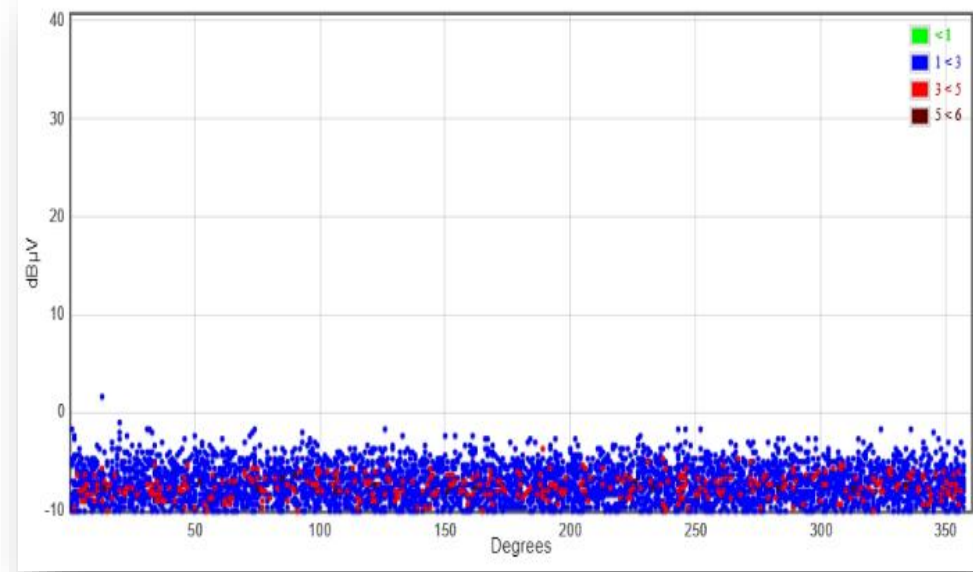
09 March 2023	GIS was de-energized. Surface discharge was found at busbar connectors between bus coupler and bus riser.
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11 March 2023	No abnormal ultrasound was detected after replacing the busbar connectors.
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Comparison of ultrasound

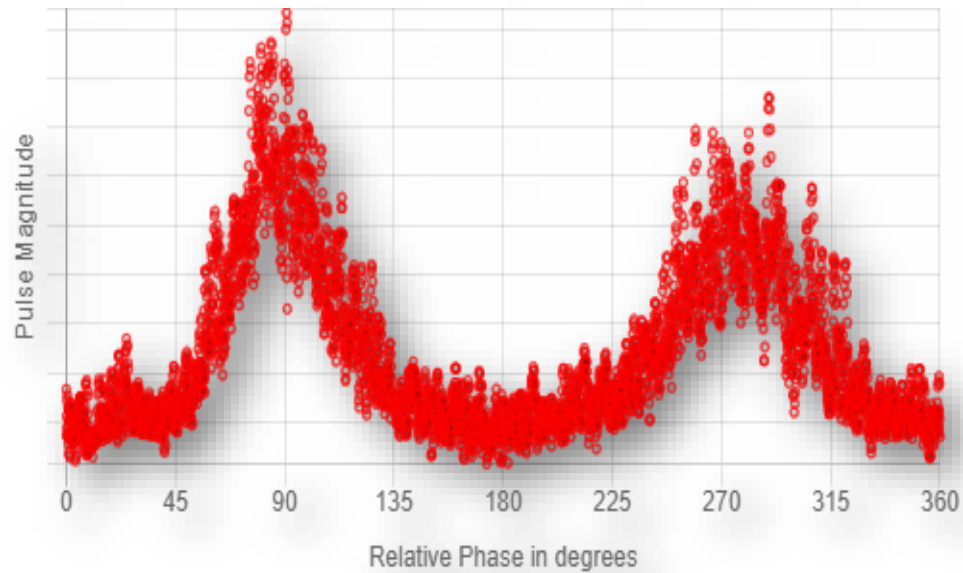


Abnormal ultrasound

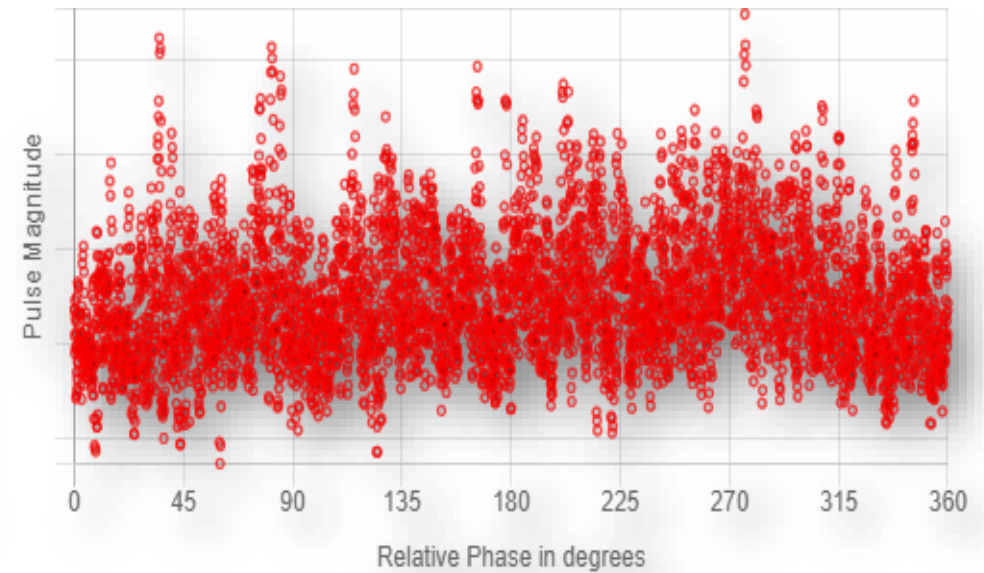


No abnormal ultrasound after replacing of busbar connectors

Comparison of ultrasound from another OEM



Abnormal ultrasound



No abnormal ultrasound after replacing of busbar connectors