



Partial Discharge Monitoring

Spot
Testing
Solutions

Powered by **BlueBox Technology**

PD Pico

PD Pico is a PD monitoring portable system designed to simplify on-site PD measurement campaigns and generate easy-to-use reports.

This system identifies the type, location, and severity of PD defects, providing instant, automatic results.



What does PD Pico monitor?



Cables



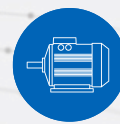
Transformers



Switchgears



GIS



Motors



Generators

PD Pico can monitor all assets in transmission and distribution grids. Its AI, trained on 13 years of real data and detects issues like:



Electrical
trees



Hot spots
in cables

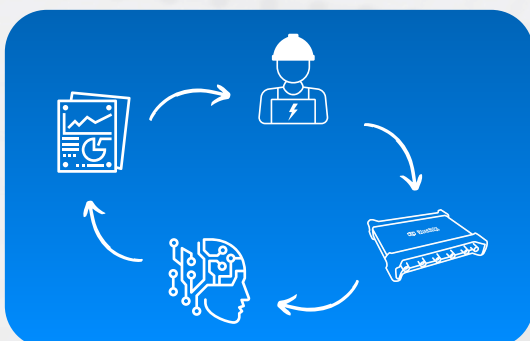


Grounding
issues



Oil/SF6
gas leak

How does PD Pico work?



1. PD Pico connects to sensors for PD. It filters data automatically to detect minor defects without manual adjustments.

2. Data is sent to PDSolver software which provides alerts detailing defect type, location, and criticality to technician.

3. These alerts can be managed onsite by any technician.



PDSolver

PDSolver is an integrated software that diagnoses PD defects in various assets within the transmission and distribution grid. It uses artificial intelligence to detect problems, send real-time warnings, and suggest actions to prevent equipment failures and improve grid efficiency.

- ✓ Works with gas-insulated switchgear (GIS), cables, and transformers.
- ✓ Supports different insulation types (air, solid, oil, SF6)

CH	Localization	Phase	Type	Criticality	Pattern	Amplitude [mV]	Rate [pp]	Polarity	Recommended actions
L1	0m	R	Moving particles in SF6	High		107.3	5.6	Neg	Additional measurements to localize PD defect in SF6
L1	50m	R	Internal void	High		259.9	52.2	Pos	Repair insulation
L2	0m	S	Surface in SF6	High		37.0	63.5	Neg	Additional measurements to localize PD defect in SF6
L3	250m	T	Floating potential	Medium		524.2	4.0	Neg	Additional measurements to discard hot spots in bad contacts
R3	250m	T	Corona in air	Low		510.2	41.7	Neg	None

PDSolver's key features



Uses AI to identify the type of PD defects



Users can set alerts to fit their needs



Finds PD defects automatically



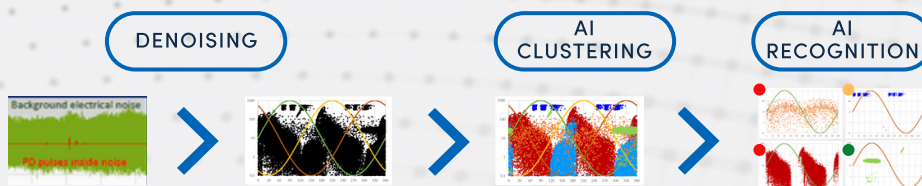
Ranks PD defects depending on criticality



Provides an automatic diagnosis

About BlueBox Technology's AI data processing

BlueBox Technology allows from a raw data to separate phenomena by location and defect type for afterwards applying image recognition.



- Trained on 1000+ cases
- 10 years data history
- 98% success rate

WE MAKE PD SPOT TESTING SIMPLE



On-site
PD campaigns



Easily installed
on laptop



Portable
system



Accessible for
any technician



Automatic
diagnosis process

