Partial Discharge Monitoring

Powered by BlueBox Technology

Continuous Monitoring Solutions

SmartVisor

SmartVisor is a partial discharge (PD) monitoring system that detects insulation defects early to prevent failures in high-voltage installations.

SmartVisor goes beyond PD monitoring by also measuring temperature, humidity, pressure and faults.

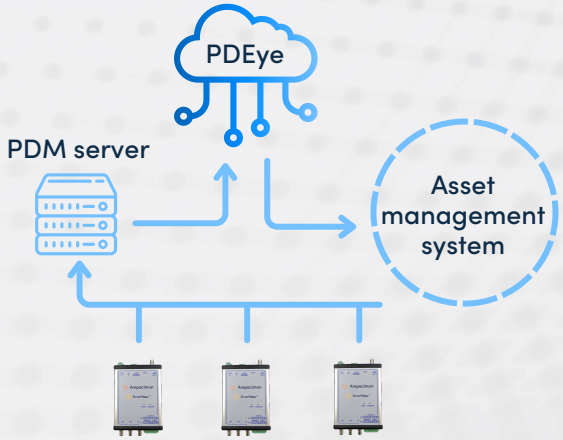
What does SmartVisor monitor?

Cables | Transformers | Switchgears | GIS | Motors | Generators

SmartVisor can monitor all assets in transmission and distribution grids. Its AI, trained on 10 years of real data and detects issues like:

- Electrical trees
- Hot spots in cables
- Grounding issues
- Oil/SF6 gas leak

How does SmartVisor work?



1. SmartVisor connects to sensors and filters data automatically to detect minor defects without manual adjustments.

2. Data is sent to a central server for analysis by PDEye, which provides alerts detailing defect type, location, and criticality.

3. These alerts integrate easily into SCADA systems.

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BlueBox Technology by Ampacimon

PDEye

PD Eye is a smart platform that monitors partial discharge (PD) activity in grid assets. 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)
- Can be installed in the cloud or on-site and connects to asset management

PDEye's key features

Trends monitoring
Tracks PD changes to detect problems early

Custom alerts
Users can set alerts to fit their needs

Defect detection
Finds and ranks PD defects automatically

Sensor integration
Works with sensors from any manufacturer

SCADA compatible
Integrates with SCADA systems for easy monitoring

AboutBlueBox 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 CONTINUOUS PD MONITORING SIMPLE

Connects to any sensors

Automatic defect detection

No manual adjustements

Comprehensive analysis

Easy SCADA integration

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