NEW

BATCAM 2 S

Compressed Air/Gas Leak Detection
Partial Discharge Detection
Abnormal Sound Detection

aptGroup of Companies

SM Instruments

BATCAM 2S Overview

(GIS : Geographic Information System)

GIS, cloud-based AI analysis function added to BATCAM 2S
From electrical discharges and Gas leaks to various noise sources

Now meet BATCAM 2S with improved performance such as sampling rate, display, UI and .more.
The newly introduced **BATCAM 2S** is equipped with **GIS and cloud-based AI** analysis capabili ties to increase user work efficiency. The measurement sensitivity is increased by detecting **gas leaks** usin g 112 microphones, measure the following signals in the **discharge**, **abnormal noise**, and ultrasonic bands from 2kHz to 160kHz BSR (Buzz, Squak, Rattle) noise it also performs well in measuring high frequency noise.

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Why choose BATCAM 2S

BATCAM 2S is a cutting-edge device that boasts a sleek and modern design, making it a standout product in the market. Its exterior features are designed with both functionality and aesthetics in mind, ensuring that it not only performs exceptionally well but also looks great doing so.

BATCAM 2S is compact and lightweight design, making it easy to carry and use. In addition, the new GIS service offers the capability to store Point of Interest (POI) with the picture in the cloud, ensuring secure, scalable, and accessible data management for your geographic information needs.

The new cloud service includes AI-based analysis capabilities for gas leakage detection and partial discharge classification. These advanced features are also accessible via our mobile app on iPhone and Android.

- Small and lightweight, making it easy to carry
- GPS location can be saved (APP connection)
- Cloud-based AI analysis available

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Features and Specifications

Hardware

- 112 Digital MEMS Microphones
- USB-C type data transmission and charging
- Measurement and analysis up to 100 kHz
- Audio and HDMI outputs
- 5” Bright, High Contrast Touch Screen
- Available Up to 4 Hours
- IR range sensor
- LCD Brightness Automatically

Software

- Visualize real-time sound sources and Display sound pressure
- Multiple/single/Full view source Measurement mode selectable
- Real-time air/gas estimated leakage and Loss amount
- Real-time PRPD Analysis and Partial Discharge measurement
- Save images and videos (JPG/MP4/WAV)
- Digital Zoom
- Self-Testing Microphones
- Supports BATCAM Zone(Web/App)

Specificaitons

Sensor(Microphone)	112 Ch Digital MEMS
Effective Frequency Range	2 k ~ 100 kHz
Acoustic Measurement	Detection threshold 2 kHz : 2.34 dB SPL 20 kHz : 2.22 dB SPL 40 kHz : 1.90 dB SPL 55 kHz : 1.22 dB SPL 70 kHz : 1.84 dB SPL 100 kHz : 20.10 dB SPL
Test Distance	0.5 ~ 200m
Camera pixel	8MP
FOV	Horizontal 63°, Vertical 40°
Image Resolution	1024 x 600
Frame Rate	25 FPS
Digital Zoom	x2 ZOOM
Auxiliary lights	LED x 2
Display Resolution	5" Color LCD (800 x 480)
Brightness	1000nit (Automatically and manually)
Touch Screen	Capacitive Touchscreen
Date Format	JPG, MP4, WAV
Storage	21GB (Save 8,400 Pictures,Video 20hours)
Video Length	5min
Data transfer	USB-C, Bluetooth 5.0 Support
Operating time (charging time)	Up to 5 hours (Up to 4 hours)
Operating temperature	-20 ~ 50 °C
Product Size / Weight	237 x 146 x 56 (mm) / 1.1kg
Certifications	KC, CE, FCC
Supported Language	Chinese(Traditional,Simplified) Croatian,Dutch, English, French, German, Japanese,Korean, Portuguese, Russian, Spanish, Thai, Turkish
Save GPS Information	Connects to mobile via Bluetooth
APP	iOS, Android

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BATCAM ZONE

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New GPS and Cloud Service

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Small and Lightweight

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Co p i or Si i Co p r on

BATCAM 2S is The BATCAM is the world's smallest and lightest ultrasonic acoustic camera.

Size
237 x 146 x 56 (mm)

Weight
1.1kg

ii910 (FLUKE)

Size
322 x 186 x 68 (mm)

Weight
2.15kg

Size
288 x 182 x 159 (mm)

Weight
1.45kg

Size
272 174 42 (mm)

Weight
1.7kg

Ai76 (Hikmicro)

Size
310.4 165 117 (mm)

Weight
1.2kg

Size
182 114 64 (mm)

Weight
0.8kg

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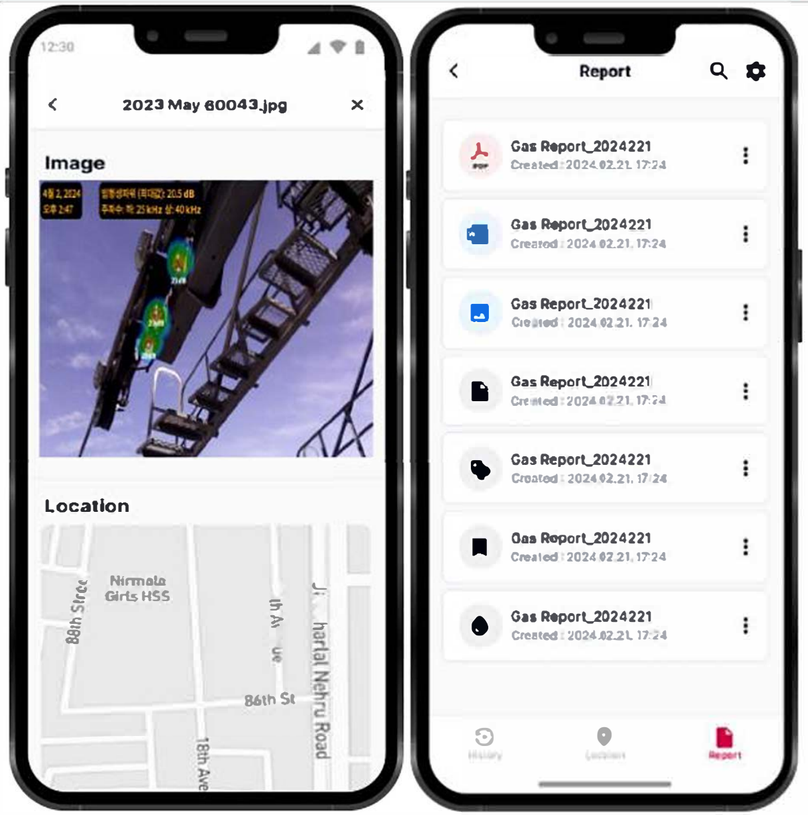
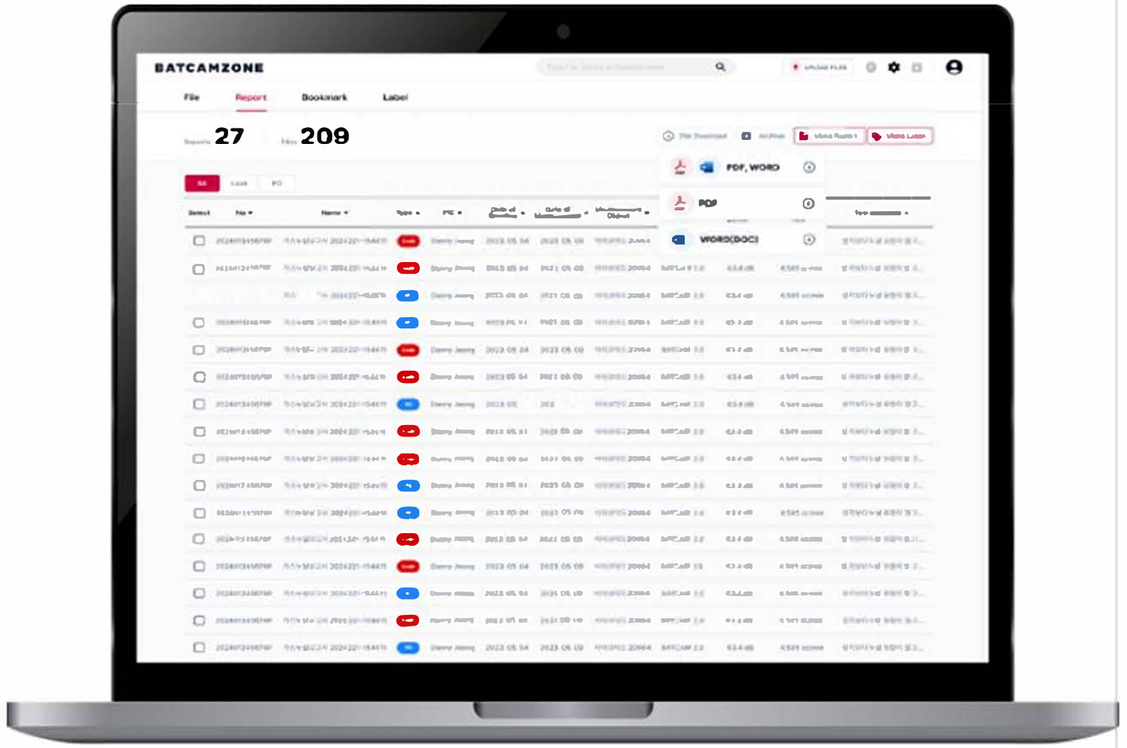
BATCAM ZONE App(iOS, Android)

Mobile App.



- Cloud data intergration with Mobile app.
- Image&Location strorage
- Data history management
- Rapid report generation
- AI-Based Analysis of Gas Leaks and Partial Discharges

Desktop App.



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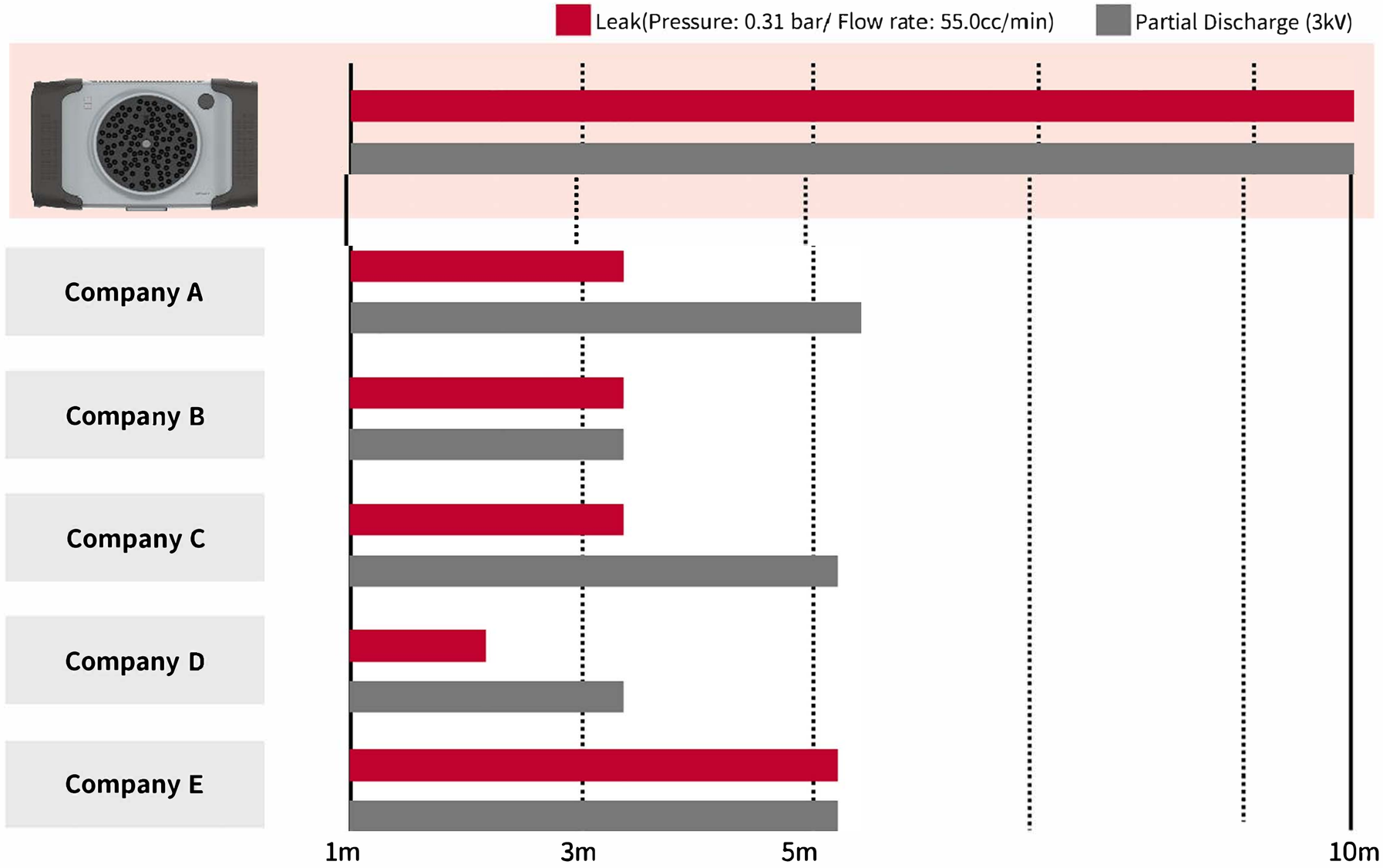
Performance Comparison

BATCAM 2S is the smallest and lightweight ultrasonic acoustic camera on the market, offering the best measurement performance due to its optimized Array Pattern design



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NEW 8 MP Camera, 2x Digital Zoom. 1024x600 image resolution

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NEW GIS Service included Point of View information(Web/App)

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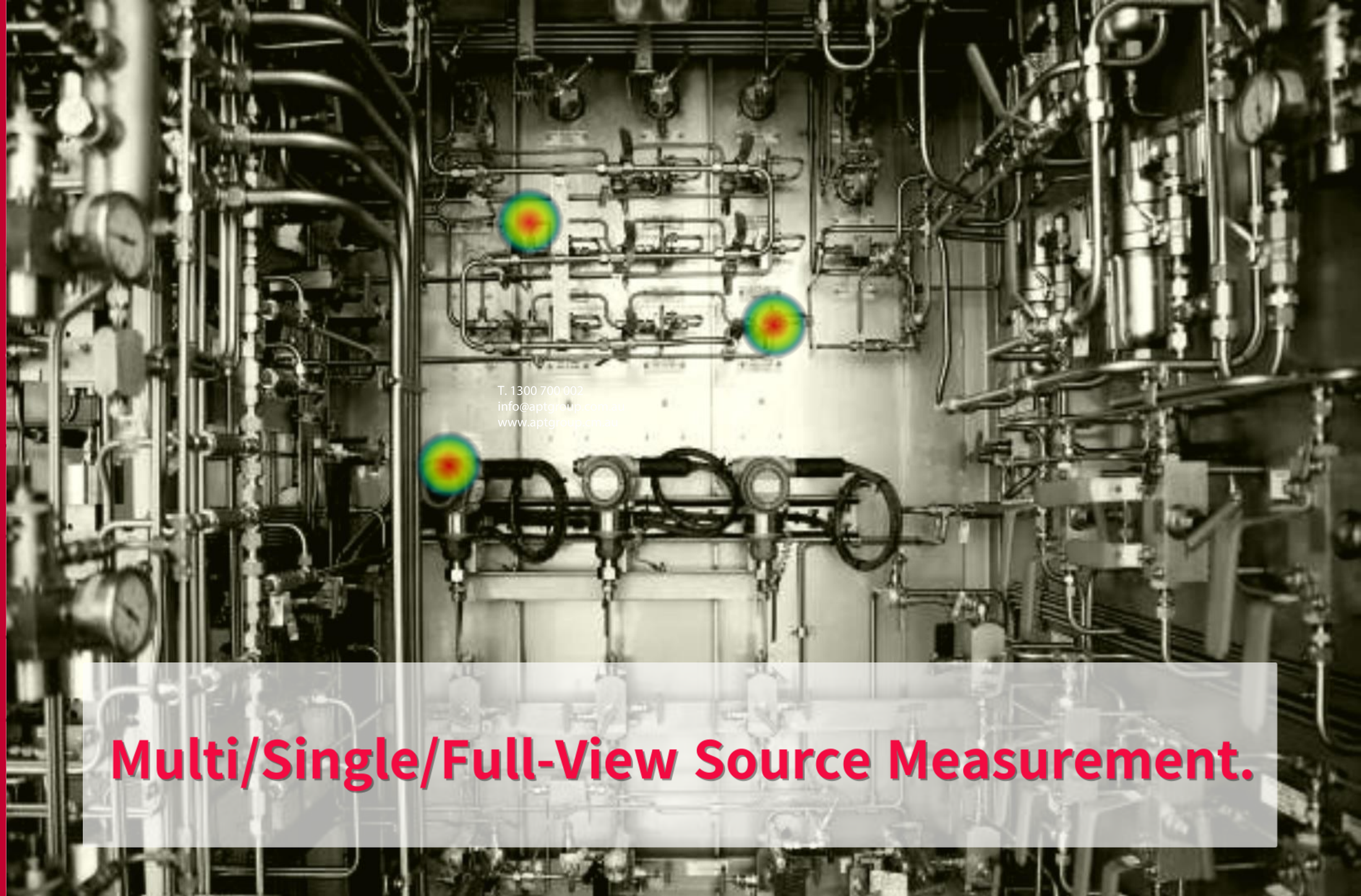

Multi/Single/Full-View Source Measurement.

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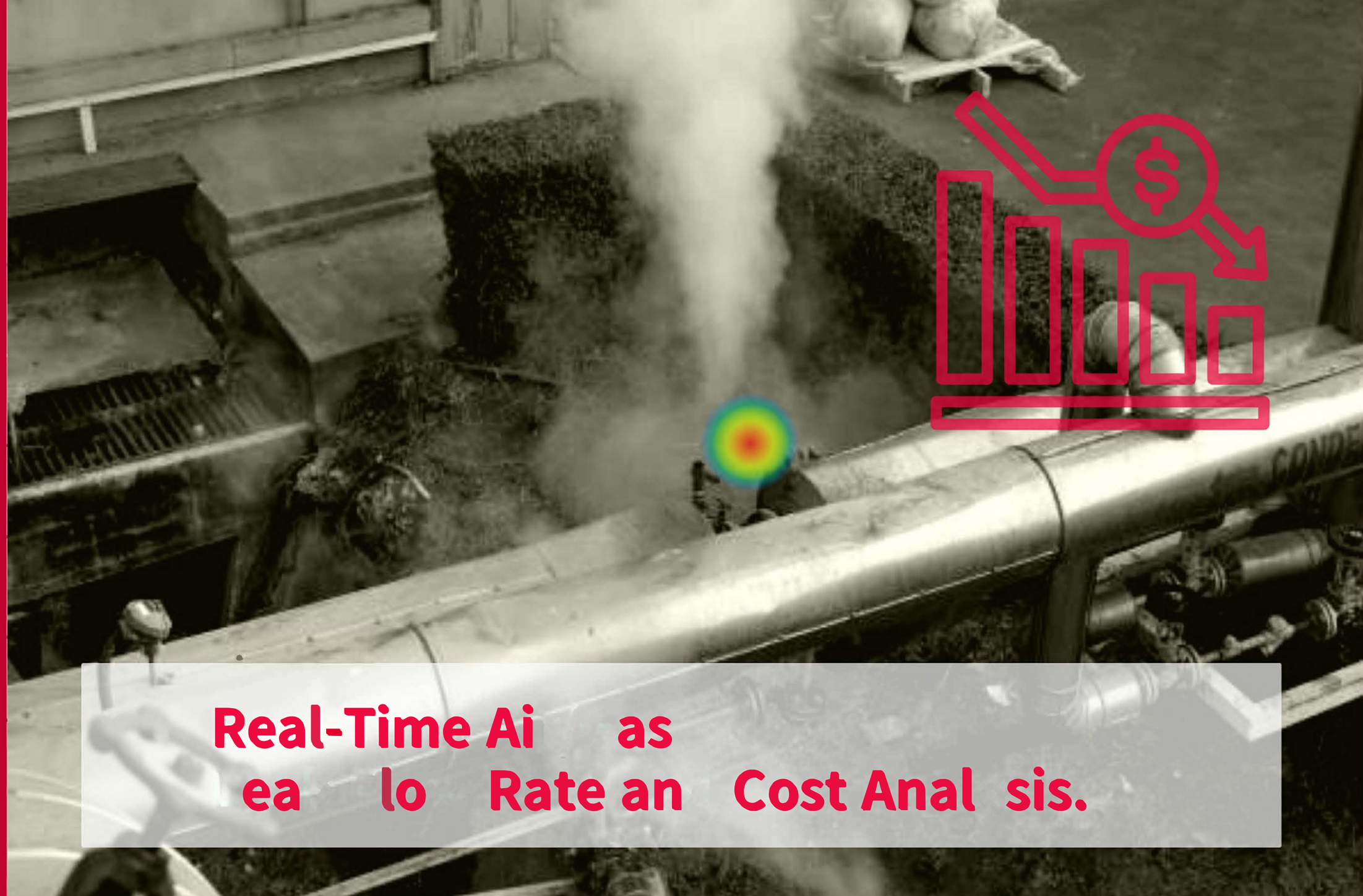

Real-Time Ai as
ea lo Rate an Cost Anal sis.

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PRPD Auto Detection
Real-Time PRPD Classification.

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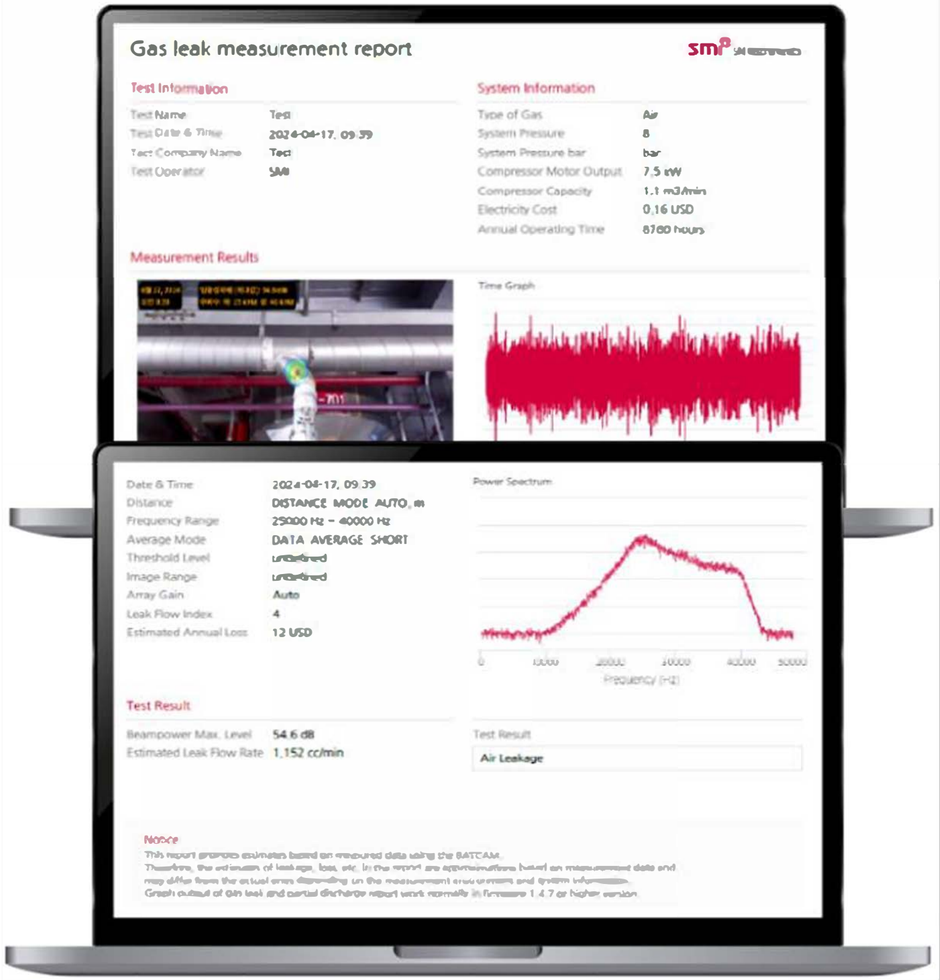
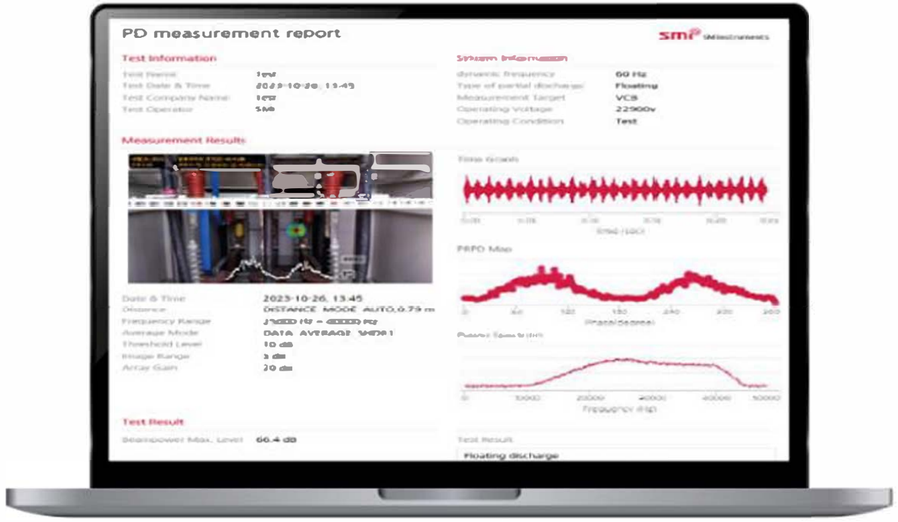
Report Generator

Leak Report



- Estimated Leak Flow Rate
- Estimated Annual Loss calculation

PD Report



- Type of partial discharge
- PRPD(Phase Resolved Partial Discharge) Analysis

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THANK YOU!

Business Development Team

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Condition Monitoring
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