



NEW BATCAM 2S

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

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 capabilities to increase user work efficiency. The measurement sensitivity is increased by detecting **gas leaks** using 112 microphones, measure the following signals in the **discharge, abnormal noise**, and ultrasonic bands from 2kHz to 100kHz BSR (Buzz, Squak, Rattle) noise it also performs well in measuring high frequency noise.



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.



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)

Specifications

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

BATCAM ZONE



New GPS and Cloud Service



Small and Lightweight



Competitor Size Weight Comparison

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

BATCAM 2S (SMI)



Size
237 x 146 x 56 (mm)

Weight
1.1kg

ii910 (FLUKE)



Size
322 x 186 x 68 (mm)

Weight
2.15kg

Si2-Pro (FLIR)



Size
288 x 182 x 159 (mm)

Weight
1.45kg

Cry2623 (Crysound)



Size
272 x 174 x 42 (mm)

Weight
1.7kg

Ai76 (Hikmicro)



Size
310.4 x 165 x 117 (mm)

Weight
1.2kg

MK-750ST (JFE / 13ch)

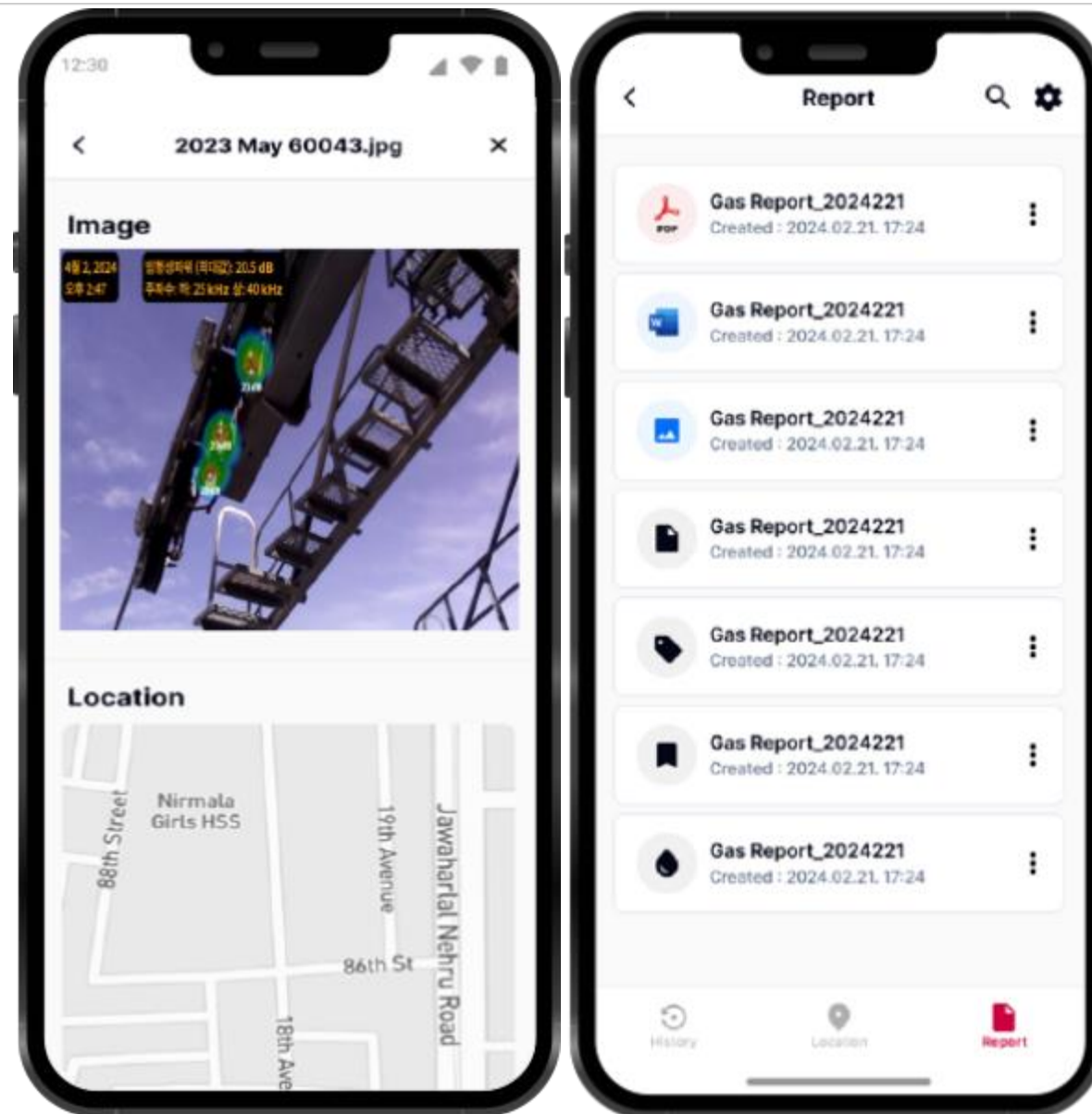


Size
182 x 114 x 64 (mm)

Weight
0.8kg

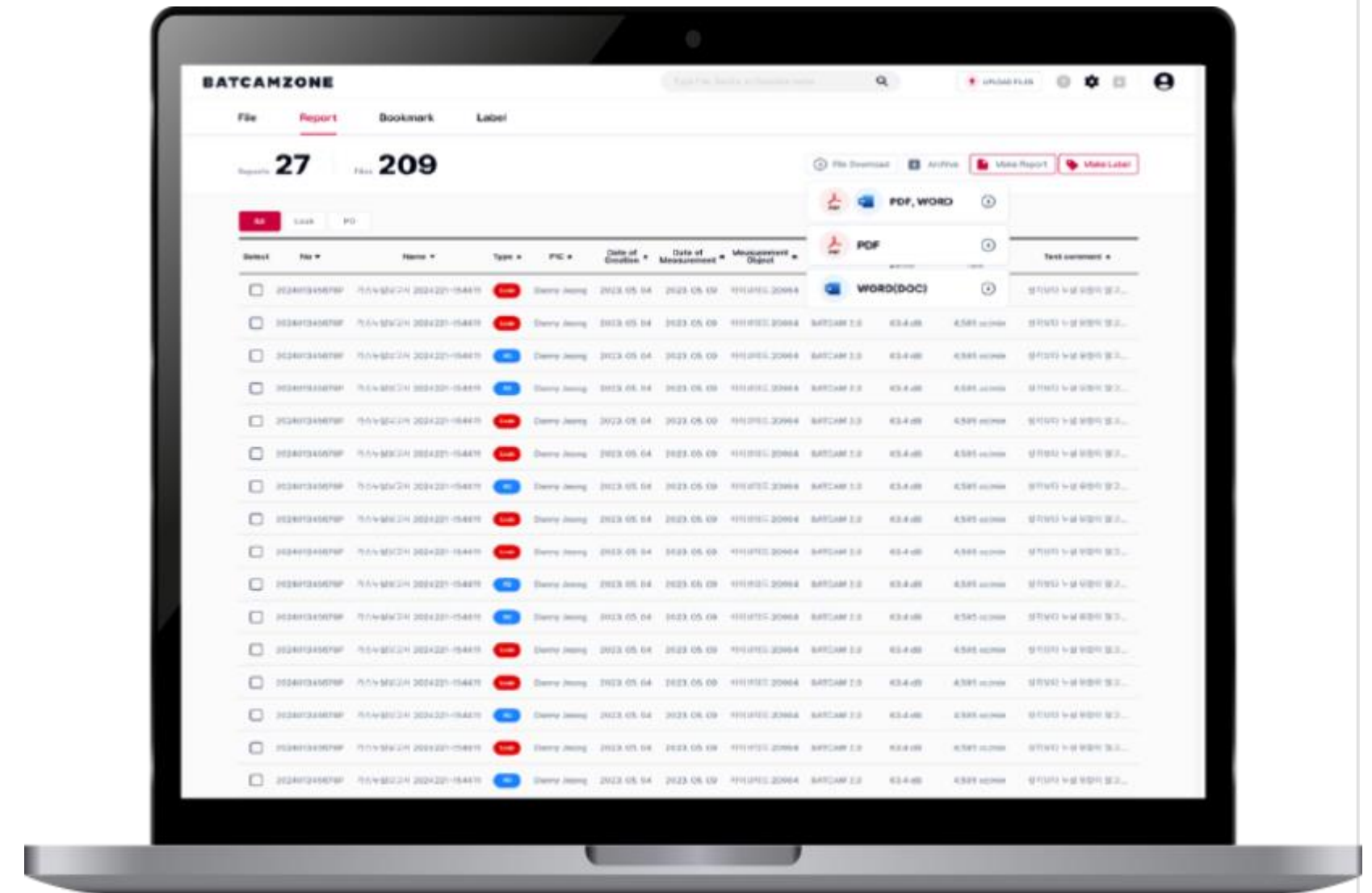
BATCAM ZONE App(iOS, Android)

Mobile App.



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

Desktop App.



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

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

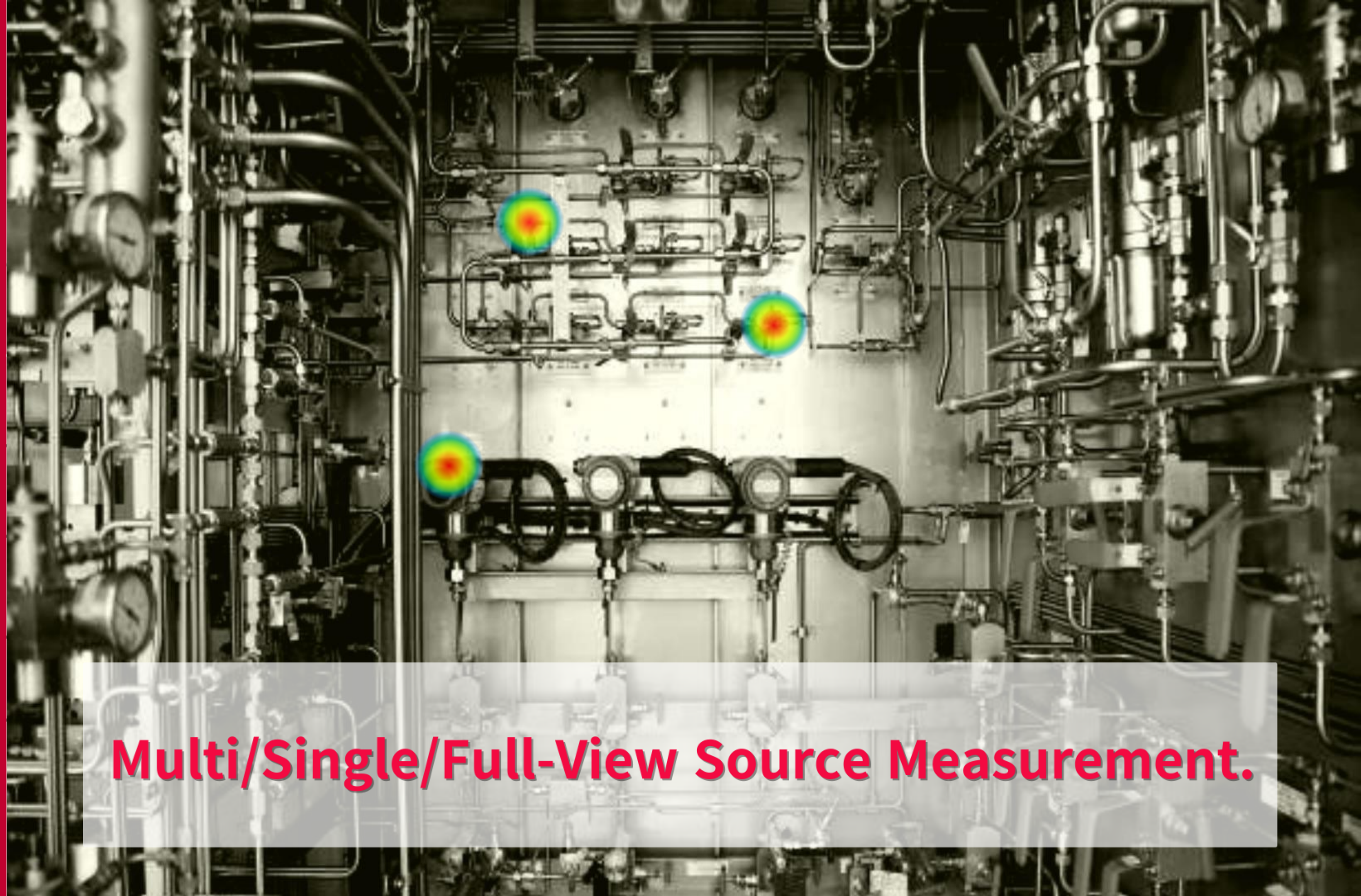


A black and white photograph of an industrial facility, likely a refinery or chemical plant, featuring large storage tanks and complex piping. A red magnifying glass graphic is overlaid on the right side, focusing on a small, colorful thermal image of a pipe joint. The thermal image shows a color gradient from blue (cooler) to red (hotter), indicating a potential heat leak or process anomaly.

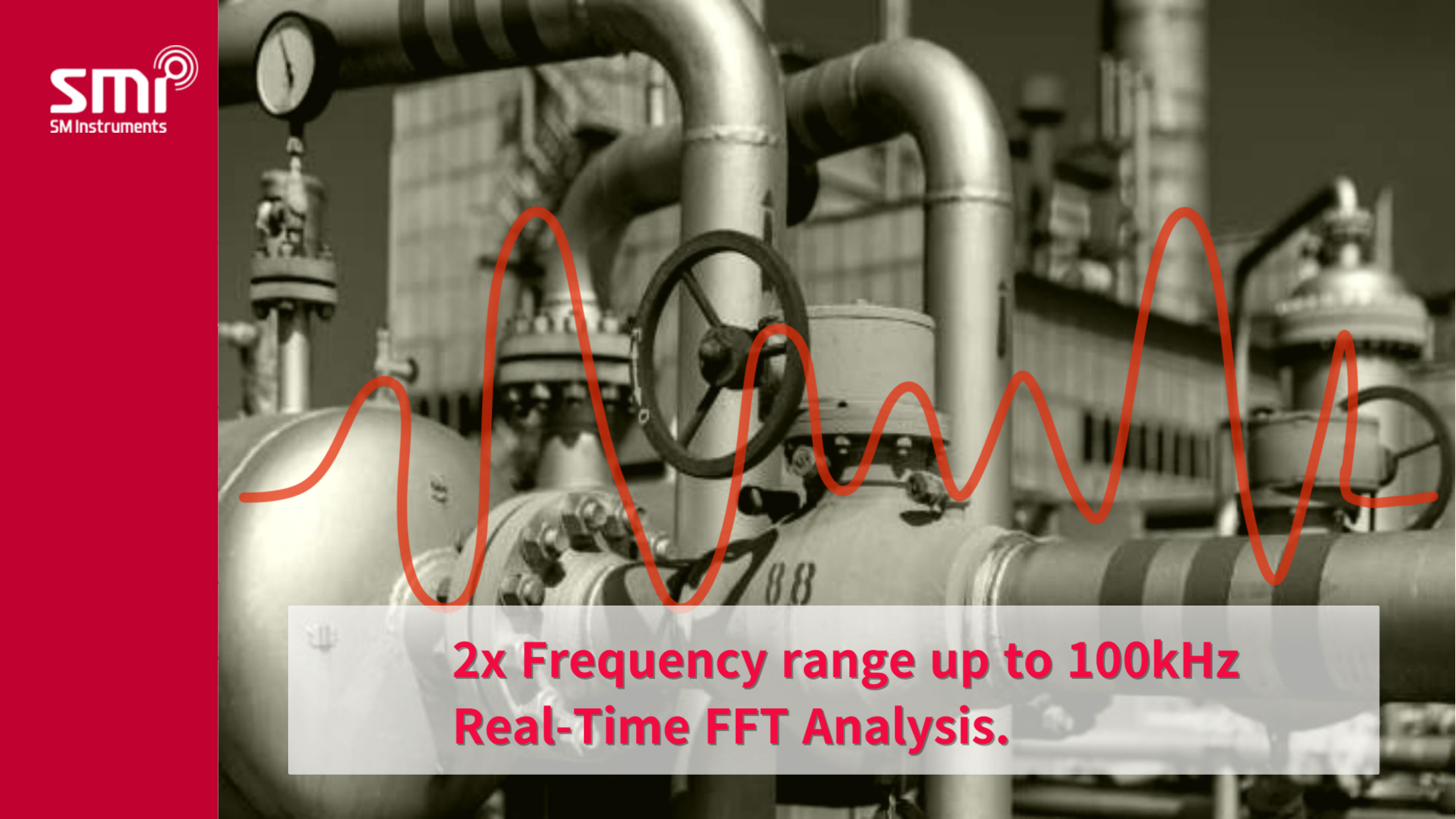
**NEW 8 MP Camera, 2x Digital Zoom.
1024x600 image resolution**

An aerial photograph of an industrial facility, possibly a refinery or chemical plant, featuring various storage tanks, piping, and buildings. Four red location pins are overlaid on the image, indicating specific points of interest within the facility.

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



Multi/Single/Full-View Source Measurement.

A black and white photograph of industrial machinery, featuring large pipes, valves, and a pressure gauge. A thick red sine wave is overlaid across the center of the image, symbolizing vibration analysis. The background is a solid red color on the left side.

**2x Frequency range up to 100kHz
Real-Time FFT Analysis.**



**Real-Time Air/Gas
Leak Flow Rate and Cost Analysis.**

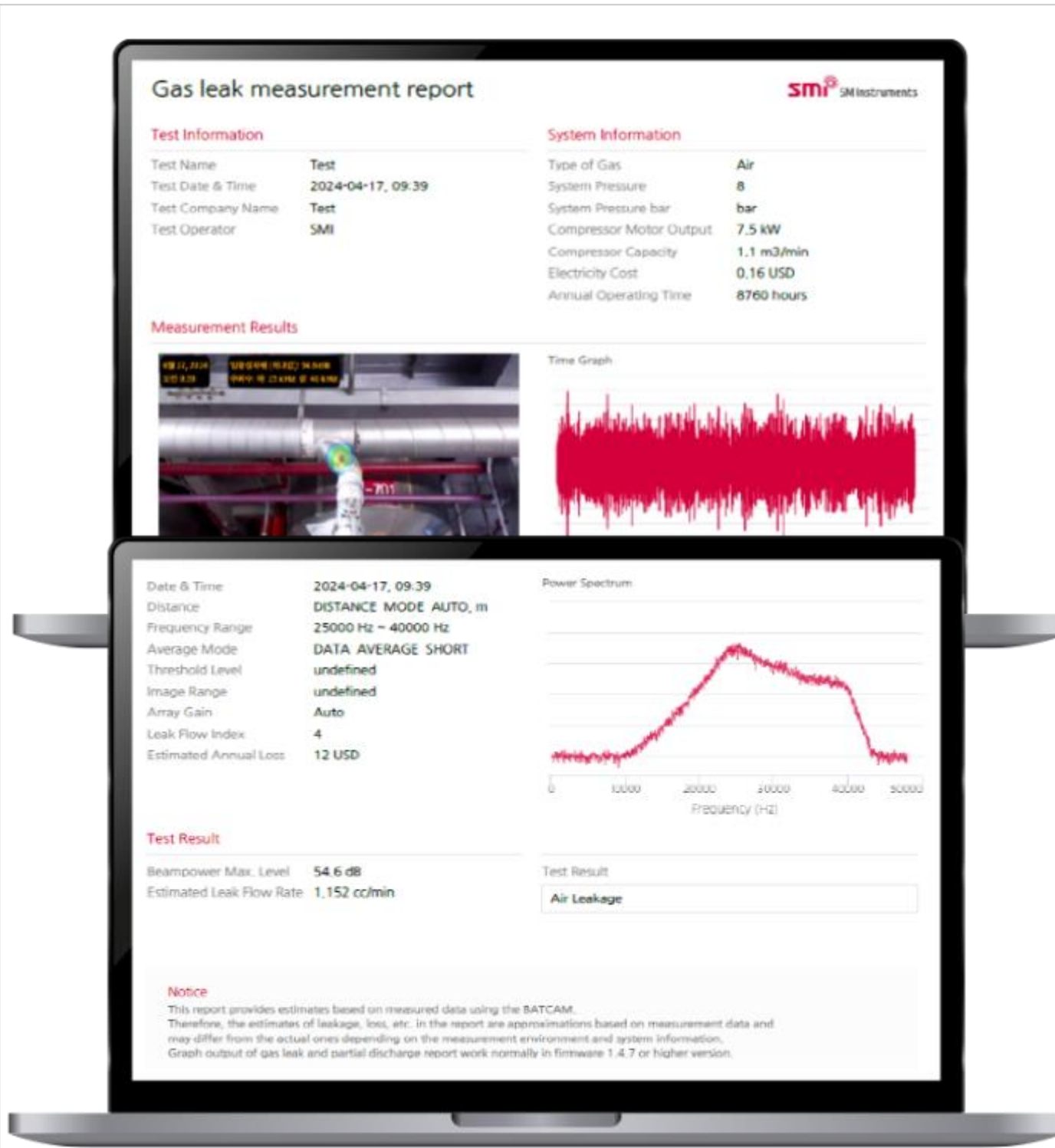


**Corona
Floting
Surface**

**PRPD Auto Detection
Real-Time PRPD Classification.**

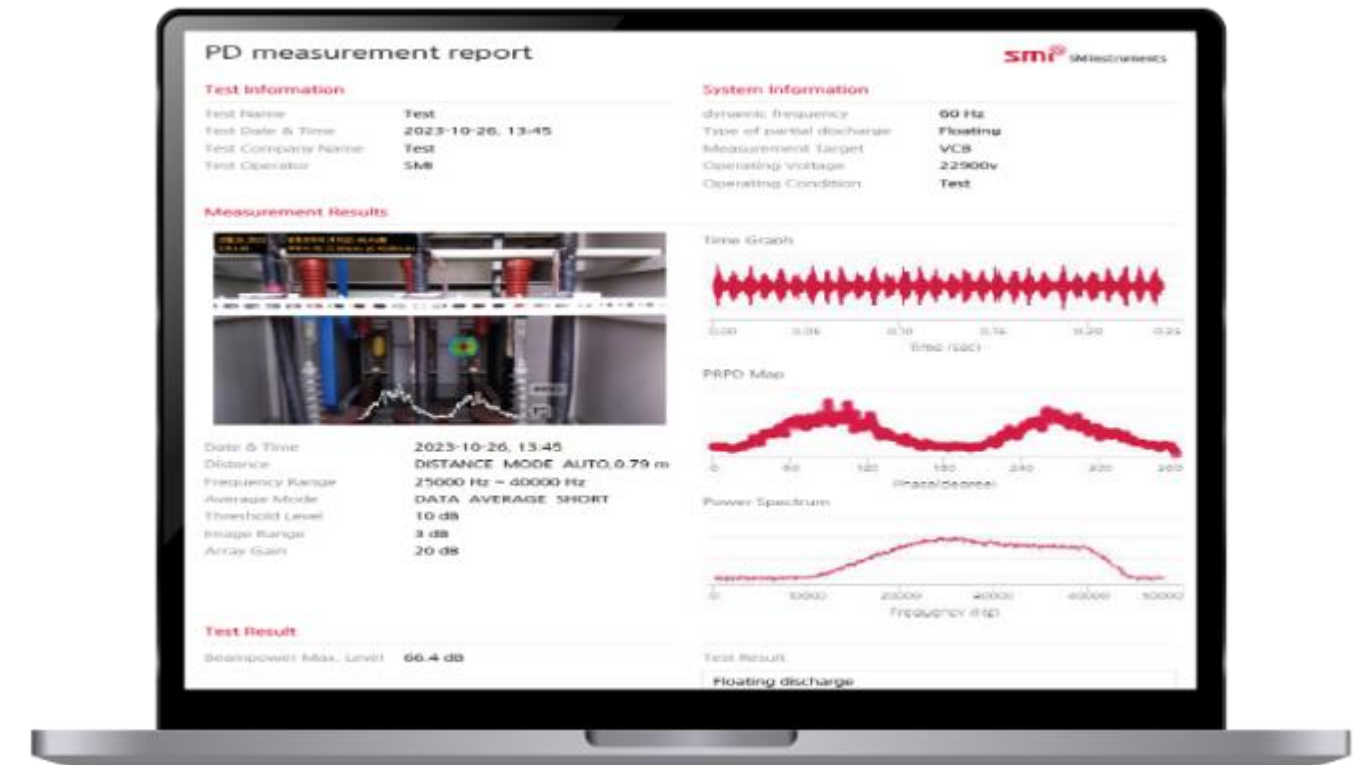
Report Generator

Leak Report



- Estimated Leak Flow Rate
- Estimated Annual Loss calculation

PD Report



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

THANK YOU!

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