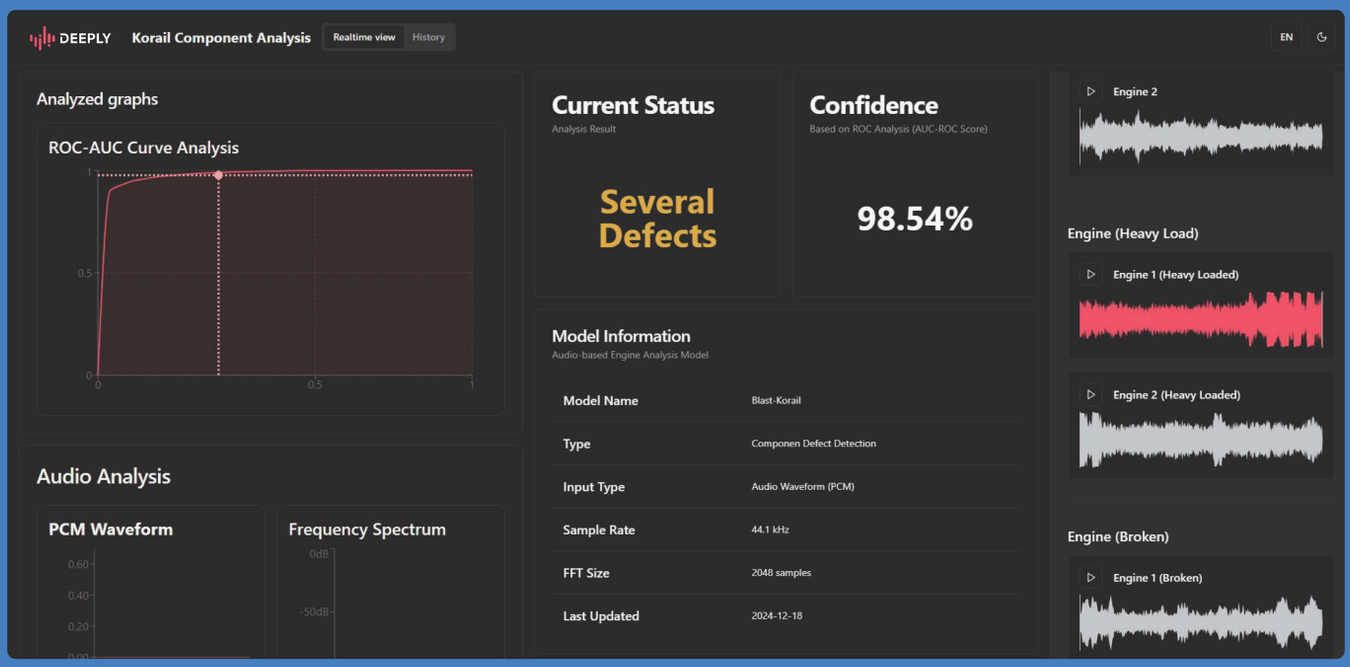
DEEPLY

Machine Hearing, New Insight

Listen AI Industrial

Detects abnormal noises for predictive maintenance and automates expert auditory inspections in manufacturing sites using AI-powered sound diagnostics.



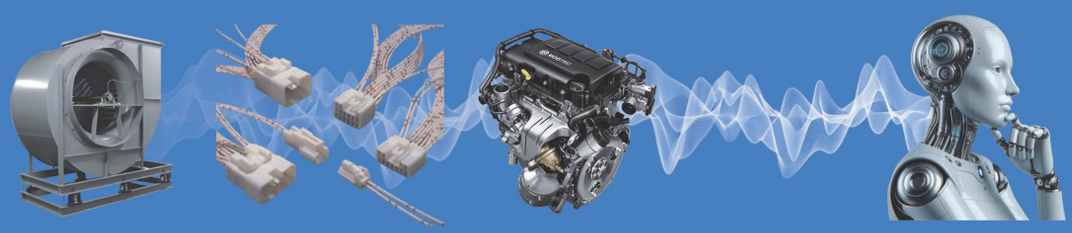
Grinding noise | Clicking / Ticking / Rattling Sound | Buzzing / Humming noise | Fluid sound | Rotational / Gear Sound | Ultrasound

The Limits of Traditional Sensors

Vibration sensors detect failure after damage, while ultrasound and vision miss subtle or internal faults.

✔ New Standard: Sound-Based Intelligence

Listen AI captures machines' acoustic patterns, detecting anomalies earlier and more precisely before failures occur.

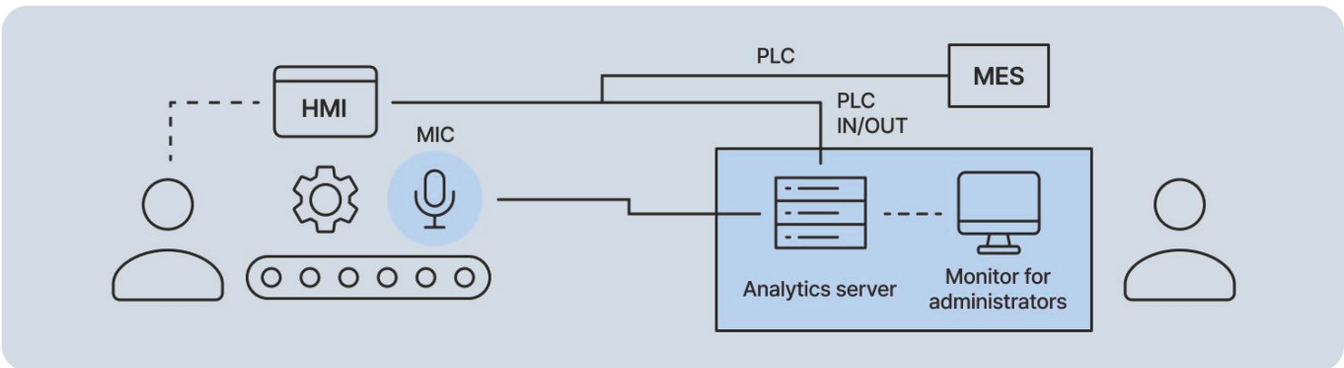


We turn sound into insight

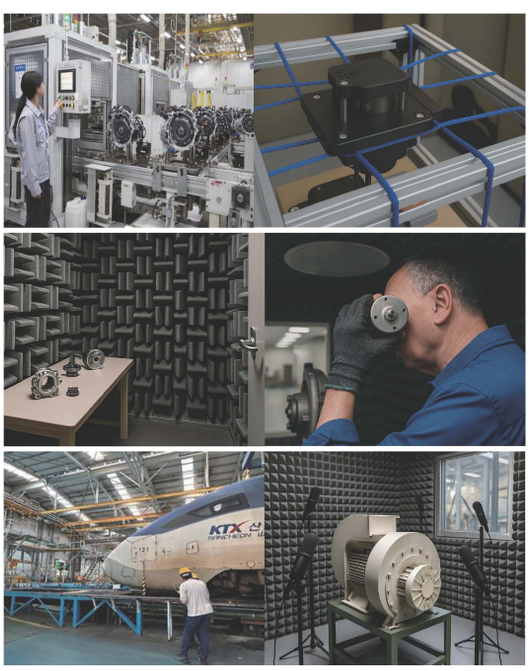
AI-powered acoustic monitoring that detects defects early and drives smarter, faster maintenance decisions.

Complete Acoustic Monitoring Platform

From sensor to software, we deliver a fully integrated solution for noise-based defect detection and predictive maintenance in manufacturing.



Customer Deployments



Manufactuing Process (Confidential Project)

- Sound detection integrated into key units of a major automaker
- This is considered a high-level strategic project (S-level).
- Same solution deployed at North America factory in this year.

Motor Inspection (Confidential Project)

- Full replacement of manual auditory checks in motor production
- AI detects abnormal noises during assembly, previously identified by trained human inspectors
- Enables consistent, scalable, and objective quality control

Additional Use Cases

- Washing Machine Manufacturing – Process improvement through acoustic anomaly detection
  Korean Military – Engine failure detection for UAVs (drones) using sound analysis
  High-Speed Rail – Early detection of motors and cooling fans

Key Benefits

Accurate Anomaly Detection

Detects subtle machine faults more precisely than conventional sensors.

All-in-One Integration

Combines data capture, AI analysis, and alerts in one compact system.

High Adaptability Across Factories

Easily adapts to various machines and environments with minimal changes.

Reduces Downtime & Human Error

Prevents breakdowns through early detection and reduced manual checks.

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