MSE01 & MSE02
Equipment Status Monitoring Sensors
Take the pulse of your device.

-MSE01-   -MSE02-

The MSE01 and MSE02 Equipment Status Monitoring Sensors are revolutionary devices that detect device operational states (Off, Standby, or Running) simply by attaching them to the device's exterior-without the need for any circuit connections.

FEATURES ▶

Non-Intrusive Sensing
Detect device electromagnetic emissions externally.

State Change Alerts
Inform device's operating status changes in real time.

Automatic Localization
Support real-time anomaly detection with automatic location tracking.

One-Click Positioning
Instant location-tagged repair reporting with a single button press.

Battery Life Up to 3 Years
Optimize battery usage with adaptive energy-saving mode

Meter-Level RTLS
Real-Time Indoor Positioning with Relay Beacon

SEAMLESS SOLUTIONS FOR DIVERSE SCENARIOS ▶

Medical Equipment Management
• Monitor critical devices like MRI machines and surgical equipment in real time.
• Detect operational status and send instant alerts for equipment failures.
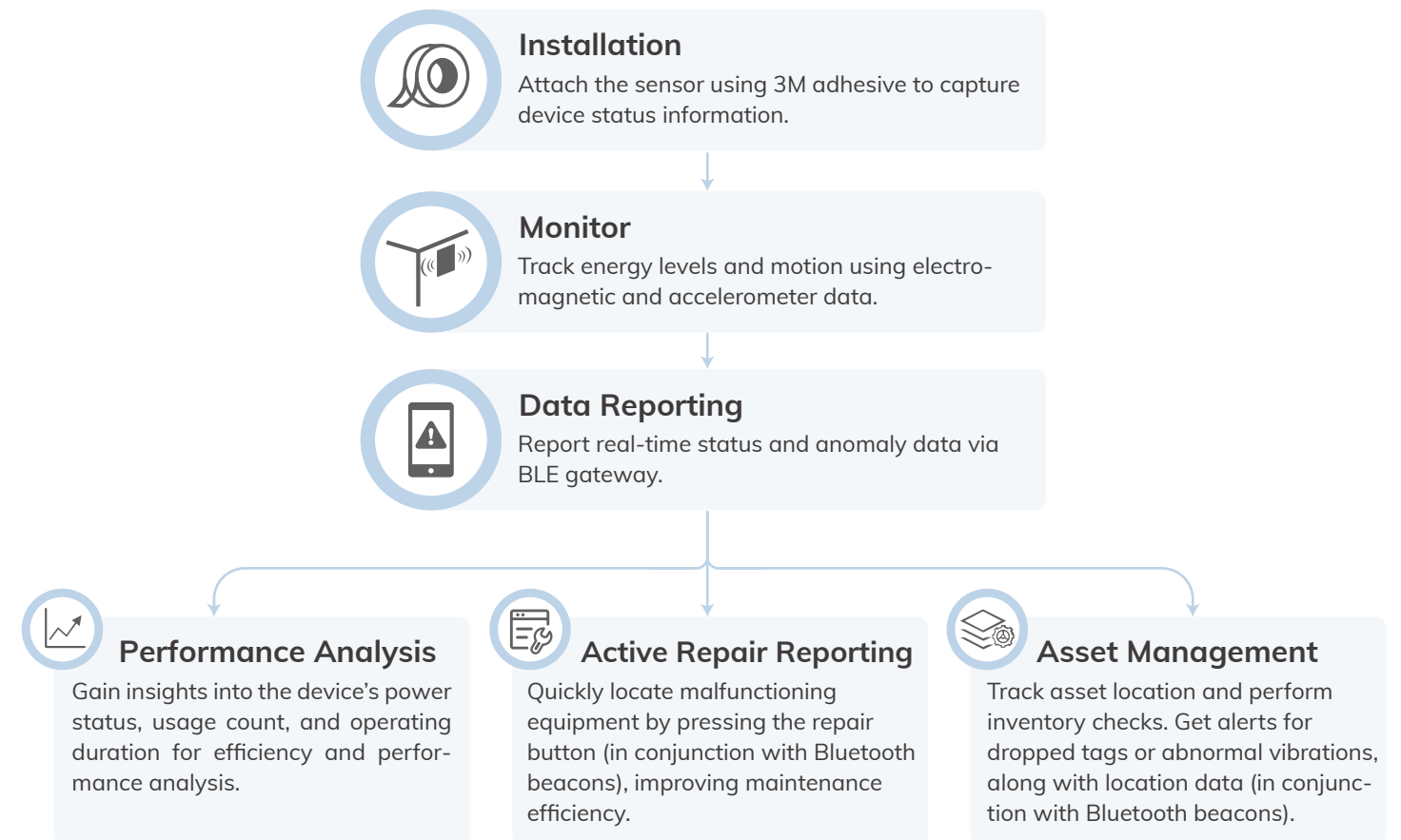
Smart Office Energy Monitoring
• Track the energy usage of HVAC systems, servers, and lighting.
• Trigger energy-saving alerts during non-working hours.
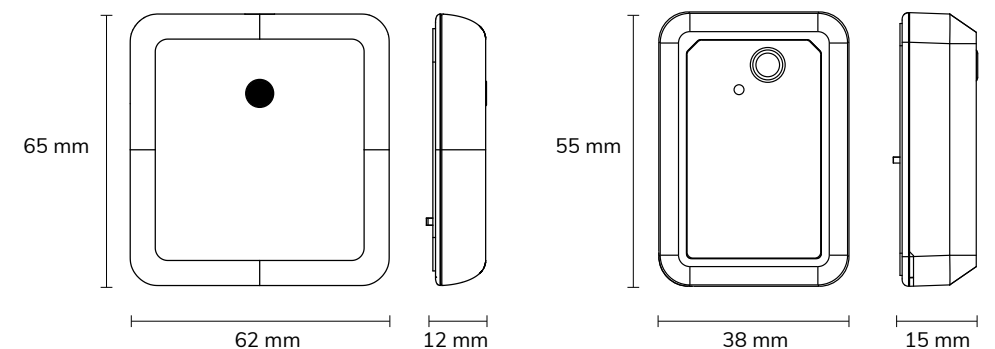
Industrial Equipment Monitoring
• Monitor production line machinery, such as robots, automated assembly lines and heavy equipment.
• Instantly detect machine shutdowns and trigger alerts to minimize downtime.

INTELLIGENT MONITORING IN ACTION ▶

Installation
Attach the sensor using 3M adhesive to capture device status information.

Monitor
Track energy levels and motion using electro-magnetic and accelerometer data.

Data Reporting
Report real-time status and anomaly data via BLE gateway.

Performance Analysis
Gain insights into the device's power status, usage count, and operating duration for efficiency and performance analysis.

Active Repair Reporting
Quickly locate malfunctioning equipment by pressing the repair button (in conjunction with Bluetooth beacons), improving maintenance efficiency.

Asset Management
Track asset location and perform inventory checks. Get alerts for dropped tags or abnormal vibrations, along with location data (in conjunction with Bluetooth beacons).

BENEFITS ▶

• **Comprehensive Equipment Inventory:** Easily track and manage a wide variety of devices across all departments.
• **Accurate Efficiency Analysis:** Capture precise usage data and operational metrics for better lifecycle management.
• **Seamless Deployment:** Quick, hassle-free installation with 3M adhesive, eliminating complex wiring and interference issues.
• **Proactive Equipment Management:** Receive automatic alerts for idle devices, ensuring regular checks and maintenance, especially for critical emergency equipment.

MODEL	MSE01	MSE02
Material	ABS	ABS
Color	White (Customizable)	White (Customizable)
Dimensions (mm)	65 × 62 × 12	55 × 38 × 15
Weight	Weight	Weight
Battery	1800mAh (Lithium)	1000mAh (Lithium)
Operating Temperature	-20~60℃ (-4~140°F)	-20~60℃ (-4~140°F)
Broadcast Interval	15s	30s
Service Life	3 years (default broadcast configuration)	3 years (default broadcast configuration)
LED Indicator	RGB	RGB
Installation	3M Adhesive	3M Adhesive
Audible Alert	None	Buzzer
Bluetooth Version	Bluetooth® LE 5.0	Bluetooth® LE 5.0
Applicable Object	Large Fixed Equipment	Portable Equipment

65 mm | 62 mm | 12 mm | 55 mm | 38 mm | 15 mm