

# Wireless IoT Sensing System

Remote monitoring & management of sensor-based measurement data

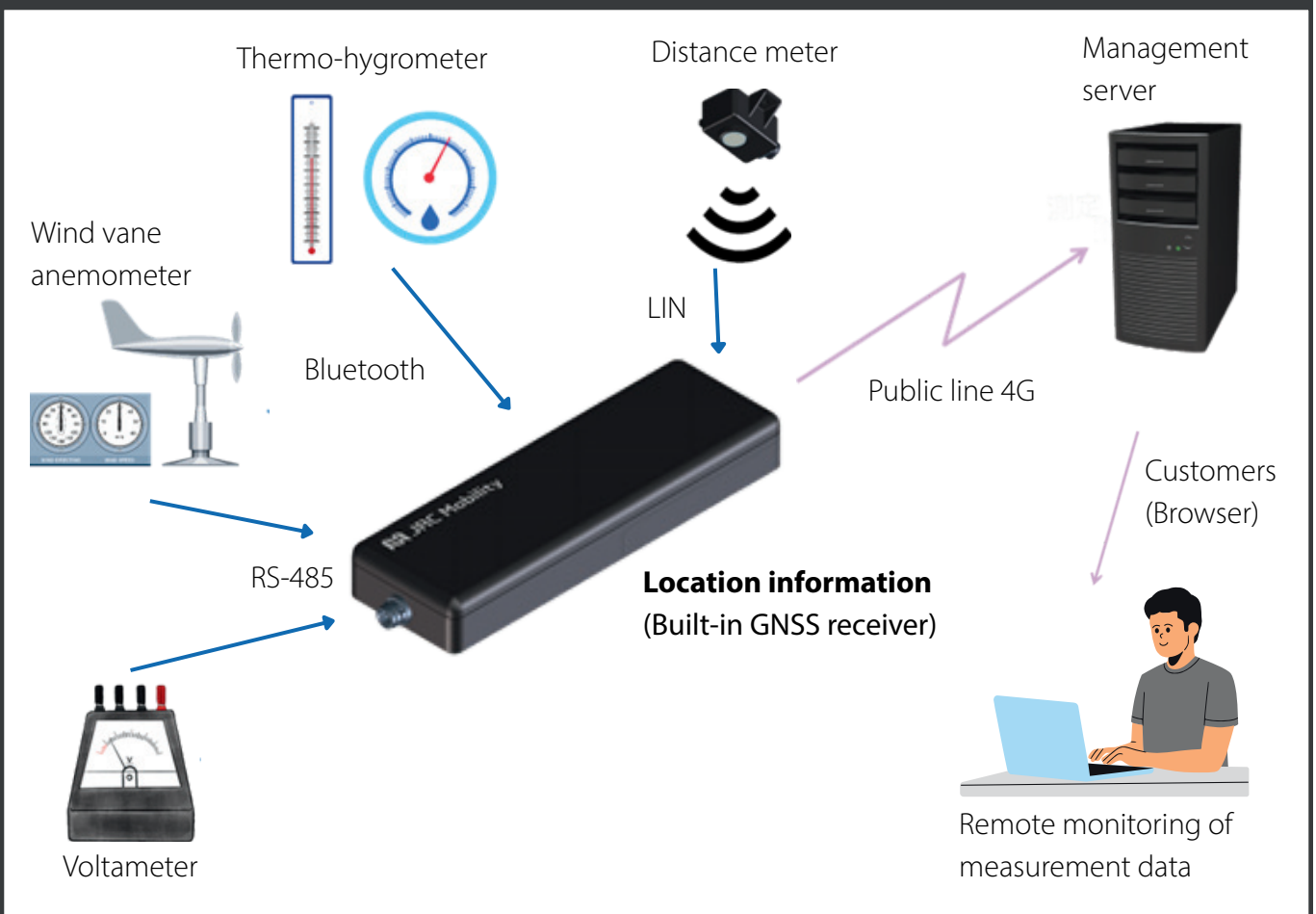


- Measurement data from various sensors can be monitored remotely
- Sensor information is centrally managed via wireless connectivity
- Enables real-time access and control of distributed sensor networks
- Supports efficient diagnostics and system optimization
- Scalable solution for multi-sensor environments

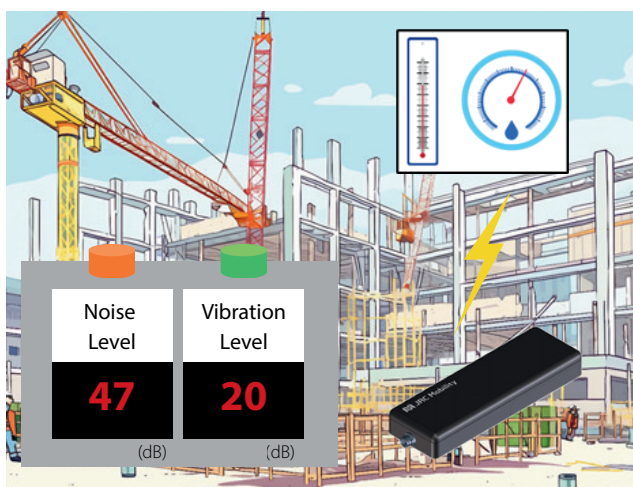


Wireless IoT  
Sensing System

## Example for Sensor Connections



## Use case 1: Remote monitoring of environmental information at construction sites

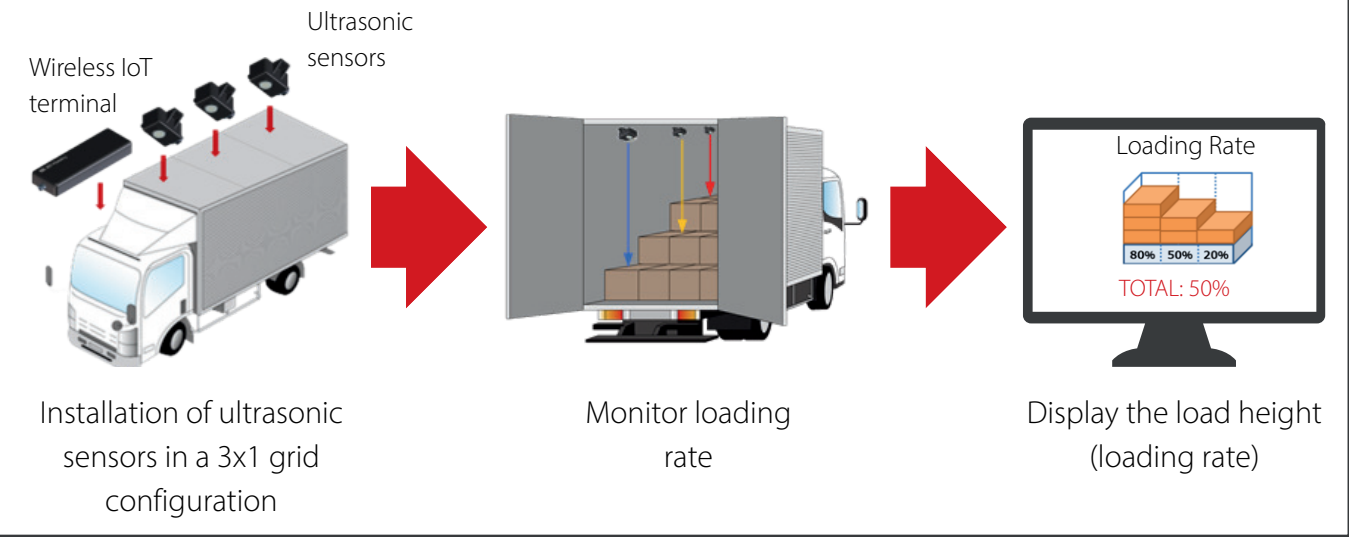


**Example: Combination of noise, vibration, temperature, humidity meter and wireless IoT terminal.**

Environmental information such as noise, vibration, temperature, and humidity at construction sites can be monitored in real time. In the event of anomalies, the system automatically triggers notifications to enable immediate response. This ensures worker safety and peace of mind through fast and effective on-site management.

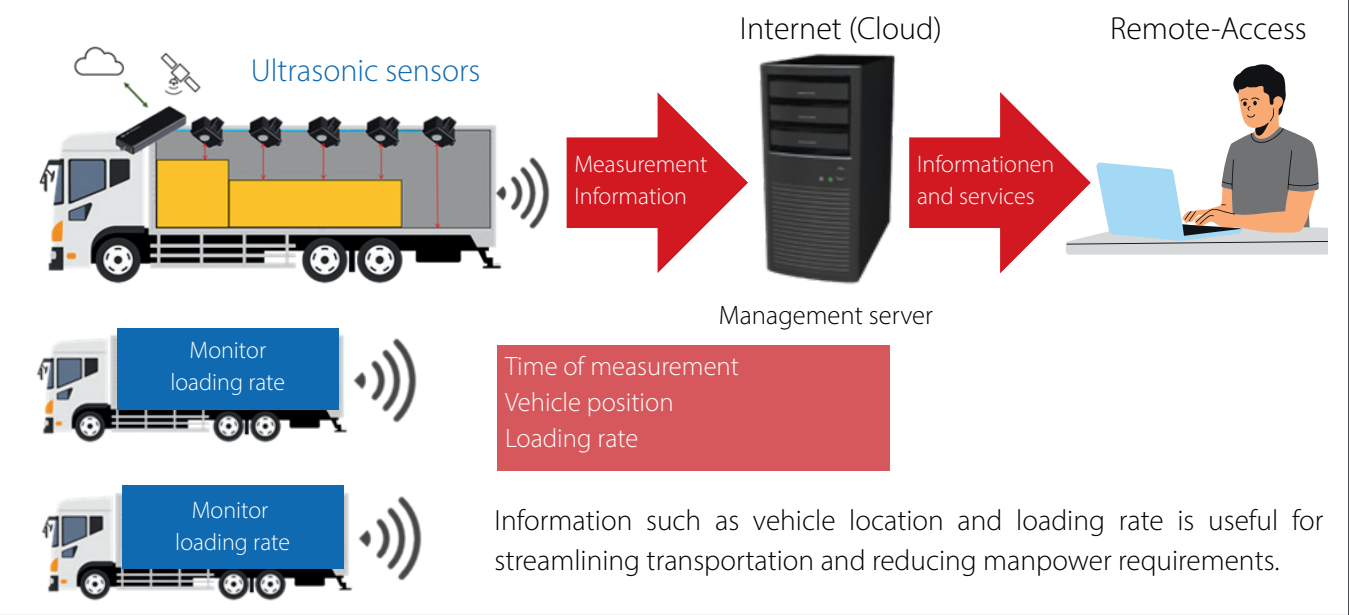
Use case 2: Monitoring and management of construction material loading rates

Example: Combination of ultrasonic sensors and wireless IoT terminal



Features of use case 2

The battery-powered design makes it easier to retrofit to vehicles.  
It can measure the loading rate with less than 10% error.



Specification

Wireless IoT terminal	Specification
Power supply method	Built-in battery power supply
Measurement + Data Transmission Intervals	1 min, 5 min, 30 min and 60 min
Communication standards	LTE, Bluetooth Classic, Bluetooth Low Energy, LIN, RS-485, RS-232C
Dimensions	180 x 62 x 28 mm (Excluding protrusions)

Please note that the specifications and images in this document are subject to change without notice for improvement.