



Construction Applications

Outdoor Air/Weather Station



Ensure Compliance, Safeguard Construction Site Environment

Key iAeris Applications for Construction Sites

1. Air Monitoring & Dust Control

iAeris monitors **PM2.5** and **PM10** in real time. When levels exceed limits, dust control systems activate, reducing dust to protect health and ensure regulatory compliance.

2. Noise Control for Community Harmony

iAeris monitors **noise**, helping construction sites reduce impact, ensure compliance, and maintain good community relations.

3. Wind Speed Monitoring for Safety

iAeris tracks **wind speed**, alerting sites to pause high-risk activities during strong winds, preventing accidents.

4. Heat Hazard & Worker Protection

iAeris uses **temperature**, **humidity**, and **heat hazard** sensors to provide real-time data, helping managers adjust schedules and protect workers from heat risks.

5. Rainfall Monitoring for Flexibility

iAeris provides **rainfall data** to help construction sites adjust plans during rain, preventing weather-related quality issues and ensuring work efficiency and stability.

6. Real-Time Data Sharing

iAeris displays data on the **LED board** and syncs it to the cloud, enhancing transparency and building community trust.

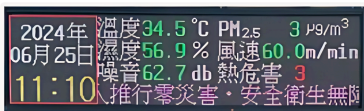
7. Compliance & Data Access

Data is archived on the **Sysinno cloud** for easy access, ensuring compliance and demonstrating environmental commitment.

- Email Alert System
- Real-Time Data Query
- Historical Data Download

EQUIPMENT OPTIONS

Nois Meter / Wind Speed /
Wind Direction / Rain Gauge



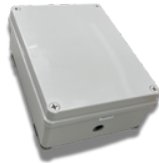
LED BOARD



Sprinkler System



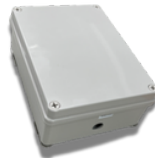
Warning Light



IoT Controller



Speaker



Broadcast System



Display Monitor



HDMI Converter

SUPPORTS MULTIPLE SENSORS

- Temperature
- Humidity
- PM 2.5
- PM 10
- Heat Hazard
- TVOC

MULTIPLE POWER OPTIONS

- Backup Power
- AC Power
- DC Power
- Solar Power



sysinno
Sysinno Technology Inc
17F-7, No.27, Guanxin
Rd., Hsinchu City 300052, Taiwan
TEL +886-3-5730550
FAX +886-3-5799995