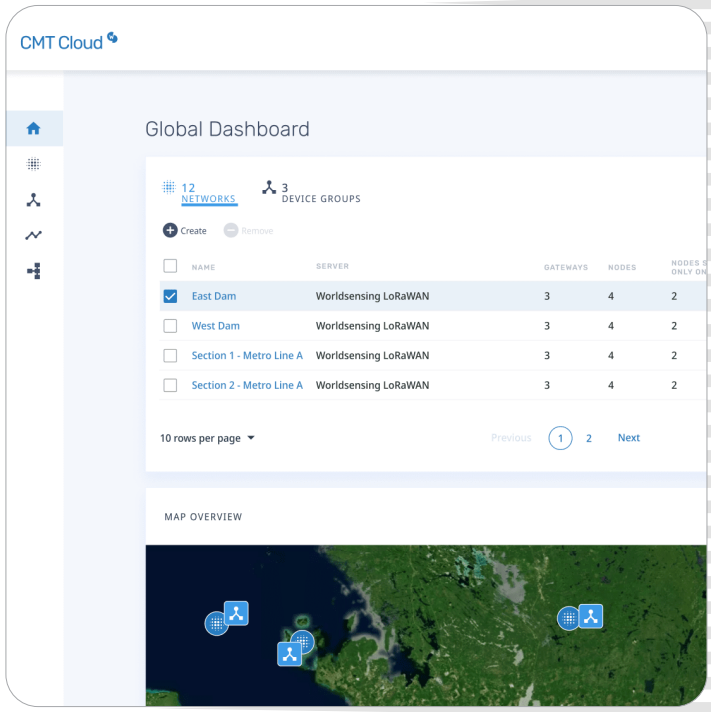
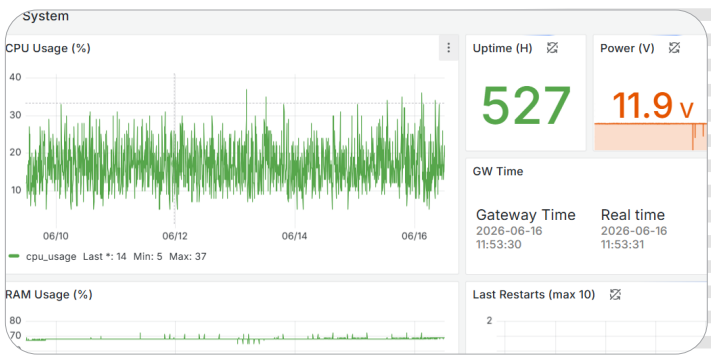
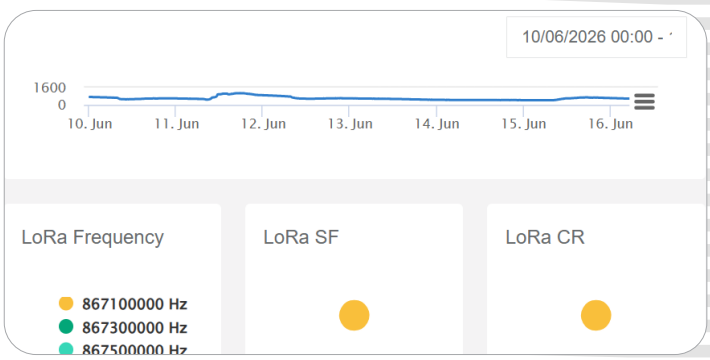
WS-CMT-CLOUD

# CMT Cloud

Worldsensing's CMT Cloud is an all-in-one platform for managing sensor networks, devices, and data from a single interface. It centralizes monitoring, device control, and data integration, while providing access to advanced features and tools designed to streamline operations and improve decision-making.




## LoRaWan Manager

Integrate open LoRaWAN devices and stream their data directly into your visualization tools.
Need dust, noise, or environmental monitoring for your construction project? Easily onboard open LoRaWAN devices and centralize their data in your visualization tools.

## Thread Manager

Efficiently onboard and manage your ThreadX3 and connected devices.
Connect your data-intensive sensors in one place and simplify device management while creating seamless data integration flows with your software systems.

## Network Monitoring Manager

Ensure optimal device performance and identify issues before they impact your project.
If a node stops sending data, remotely check signal strength, noise levels, gateway health, and connectivity to quickly diagnose the issue before dispatching an on-site visit.

## Workflow Builder

Design and automate alerts, notifications, and triggers with a powerful rule-based system.
Need to increase the sampling rate when it starts raining? Create automated rules that use live weather data to dynamically adjust monitoring in real time.

Start your trial today

# Master complex workflows with exclusive CMT Cloud features

### LARGE-SCALE DEPLOYMENT

CMT Cloud overcomes the congestion and high costs of large-scale deployments by maximizing gateway efficiency and ensuring "always-on" data redundancy. Through pre-configured, plug-and-play setup, it scales thousands of nodes across vast areas in days rather than months.

- **High-capacity throughput:** Support more nodes with fewer gateways
- **Data redundancy:** Multiple pathways for critical data packets
- **Fast deployment:** Pre-configured hardware ready for immediate field use

### MULTI-STAKEHOLDER GOVERNANCE

CMT Cloud simplifies multi-stakeholder collaboration by providing a centralized governance layer with granular permissions and detailed audit logs. This ensures secure, role-based access across complex teams, protecting data integrity while eliminating security risks.

- **Role-based access control (RBAC):** Tailored permissions for different team levels
- **Full audit trails:** Traceable user activity for accountability and compliance
- **Secure data siloing:** Safe collaboration without risking unauthorized changes

### NETWORK INTEROPERABILITY

CMT Cloud eliminates the cost of complex integrations by offering native compatibility with global networks and third-party hardware. For off-grid sites, our solar-ready support ensures seamless connectivity where traditional infrastructure is unavailable.

- **Ecosystem integration:** Native support for TTN, Orange, Netmore, Actility, and Loriot
- **Hardware agnostic:** Wide support for third-party LoRaWAN gateways
- **Remote-ready:** Optimized for solar-powered and off-grid deployments

### BRIDGING CONNECTIVITY & VISUALIZATION

CMT Cloud serves as a high-performance connectivity layer, bridging your physical device fleet with existing dashboards. Via a unified API, it handles the heavy lifting of remote configuration and device management, providing the robust engine needed to power your visualization software.

- **Seamless MQTT engine:** Free built-in MQTT broker with multiple integrations per group
- **Bi-directional communication:** Full downlink capabilities for remote device tweaking
- **Unified API:** A single point of integration for all third-party visualization platforms

## Real-world impact

CMT Cloud is a field-proven solution with a global footprint. From the extreme environments of high-output mining to the precision requirements of critical rail and large-scale infrastructure, the world's leading organizations trust CMT Cloud to monitor, manage, and scale their sensor networks with absolute confidence.