

CMT Cloud

Connectivity Management Tool

Manage your projects more efficiently.

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Features

USER ACCESS AND DATA STORAGE

Ensure 24/7 data access and network redundancy.

- Access data from multiple gateways in one project site* with gateway redundancy.
- Get 24/7 access to data stored in the cloud.
- Provide access to multiple, simultaneous users using a single log-in.*

**Multiple projects sites and different access privileges available soon*

NETWORK MONITORING

Monitor devices and manage alarms.

- See an overview of the network status on a dashboard and map.
- Monitor the status of data loggers and gateways in real time:
 - Gateway monitoring
 - Location,
 - Signal coverage map,
 - Real-time availability status (on/off),
 - Uptime,
 - Power input,
 - Message reception,
 - Cellular modem information.
 - Data logger monitoring
 - Location,
 - Real-time availability status (on/off),
 - Uptime,
 - Internal temperature,
 - Number of messages received / not received,
 - Signal power and coverage (RSSI, SF),
 - Battery voltage.
- Receive alerts in case of a data logger or gateway unavailability
- *Sensor near real-time availability status (on/off) and grouped data per network, site or project available soon*

SYSTEM SETUP

Onboard, deploy and remotely manage devices in the network.

- Register devices in the network.
- Select the sampling rates of the sensor readings.
- Securely transmit sensor data in near real time.
- *Import and export configurations available soon.*

DATA MANAGEMENT

Extract and configure sensor data.

- Manually or automatically download sensor readings and custom aggregations as CSV files.
- Convert raw sensor data to engineering units.
- Access basic data visualization charts.
- Protocols:
 - MQTT pusher (for near real-time data), available upon request
 - FTP, FTPS
 - HTTP API (for new and historical data retrieval and sampling rate modifications), available upon request
- Sampling rate adjustments.
- Integrate 3rd party software (such as Vista Data Vision, Trimble 4D, Eagle.io, Geoscope, Hexagon Geomonitoring Hub)

COMPATIBLE DEVICES

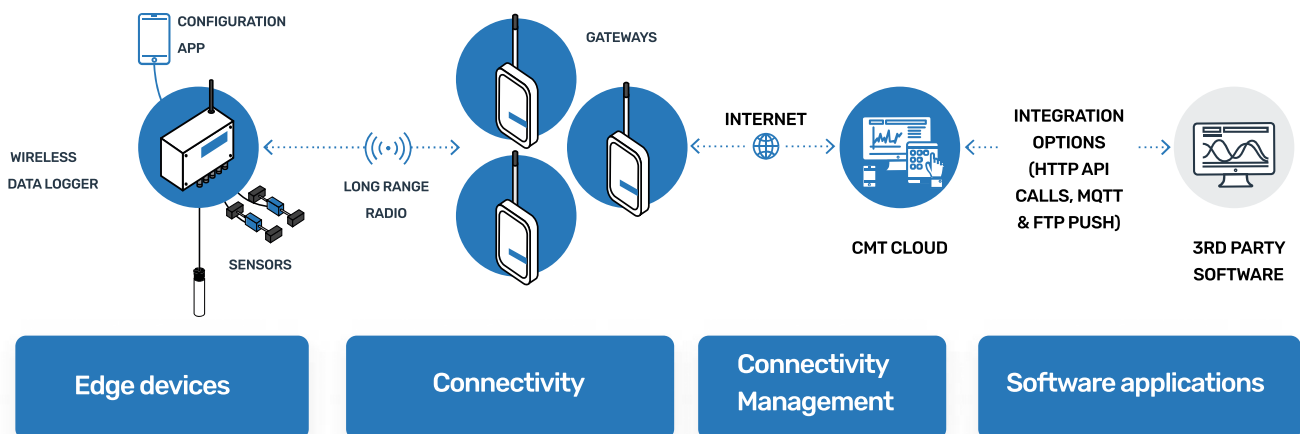
- All Worldsensing edge devices (wireless tiltmeter, laser, analog, Piconode, vibrating wire 1 and 5 channels, digital data loggers.)
- 4G cloud gateways
- 3G gateways (*Contact us to upgrade*)



How it works

The Connectivity Management Tool (CMT) Cloud is ideal if you want to remotely manage your projects. Once all data loggers and gateways have been onboarded and configured in the software, gateway redundancy makes sure that data will be available even in cases of connectivity cuts or lack of coverage through back ups in the cloud. The software shows the real-time status and mapping of all the data loggers and gateways in your network, provides basic visualization for sensor readings and can provide alarms. It can easily integrate with 3rd party software through various protocol options

Multi-gateway network architecture



Data Collection

Collect sensor data through wireless loggers and at your preferred sampling rates.

Communication & Network Monitoring

Decrease the risk of data loss through a redundant network and enjoy 24/7 connectivity management through the cloud.

Data Analytics

Integrate 3rd-party data visualization software.

Implement one radio network with several gateways for a project

All gateways receive all the messages from the nodes in their coverage area.

- Range: Open field: 15km/9mi
- City street: 4km/2mi
- Manhole in a city street: 2km/1mi

If one gateway fails, another gateway may receive the node data to prevent data loss.

