



**ABOUT**

ENVIRONMENTAL  
CONTROL SYSTEM  
INTEGRATORS

Unlock the Power of Long-Range, Low-Power IOT Communication with LoRaWAN

Join the IOT Revolution with LoRaWAN- A Game-Changer for Your Connectivity

Discover LoRaWAN Benefits:

- Long-Range Communication: Reach IoT devices up to 2 to 5km away, and up to \*15 kilometres away
- Low-Power & Entended Battery Life
  - Ensure devices run for years on a single battery charge
- Secure & Scalable:
  - Protect your data with AES-128 bit encryption and easily scale your network
- Cost Effective:
  - Reduce operational costs with efficient communication
- Wide Range of Applications:
  - Ideal for Smart Cities, Agriculture, Industrial IoT, and more



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ENVIRONMENTAL CONTROL  
SYSTEM INTEGRATORS



**THE THINGS  
STACK**







# World of IOT

ENVIRONMENTAL CONTROL  
SYSTEM INTEGRATORS

## LoRaWAN Technology is Connecting Our Smart Planet

### Verticals Served:

- Smart Agriculture
- Horticulture
- Marine
- Waste Management
- Water Level and Flood Management
- Smart Buildings
- Smart  
Cities/Municipalities/Townships
- Smart Electricity Metering
- Smart Environments
- Smart Water Metering
- Smart Supply Chain and Logistics



THE THINGS  
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# R-MESHed

A LORAWAN NETWORK

LoRaWAN, which stands for Long Range Wide Area Network, is a wireless communication technology designed for low-power, long-range communication between a wide range of IoT (Internet of Things) devices. LoRaWAN is often used to connect sensors, actuators, and other low-power devices to the internet or other networks. Here are some key aspects of the LoRaWAN networks. R-MESHed includes the following:

- Private LoRaWAN Network using Enterprise grade TTSV3 network server infrastructure located in California, USA
- Fully Managed Private LoRaWAN Network
- Service Level agreements- 99%+ availability
- Local Support from our team in Toronto, Canada
- Peace of Mind- RAMCO-TECH is a certified LoRaWAN Systems Integrator



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We supply a wide range of sensors:

- Wireless Soil Moisture Sensors
- Temperature and Humidity Sensors
- Weather Stations
- Leaf Wetness Sensors
- Light Sensors
- Wind Sensors
- Rain Gauges
- Soil pH and Nutrient Sensors
- Gas Sensors
- Parking Sensors
- Waste Management Sensors
- Water Quality Sensors
- Asset Tracking Sensors
- Flow Meters
- Crop Health Sensors
- Yield Monitoring Sensors
- Pest and Insect Traps
- Livestock Monitoring Sensors
- CO2 Sensors
- Water Level Sensors
- People Counters
- Ultrasonic sensors
- Pressure Sensors
- Oxygen sensors
- Laser distance
- And Many More.....



**THE THINGS  
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# R-SENSE

CERTIFIED LORAWAN  
SENSORS

These sensors are essential for precision agriculture, enabling farmers and vineyard managers to make data-driven decisions that result in increased efficiency, better crop yields, and reduced resource consumption. The choice of sensors will depend on the specific needs and conditions of the agricultural operation.

RAMCO-TECH has a wide variety of LoRaWAN sensors. Thanks to the LoRaWAN protocol, these are not brand sensitive, meaning any Certified LoRaWAN device can reside on the R-Meshed Network.



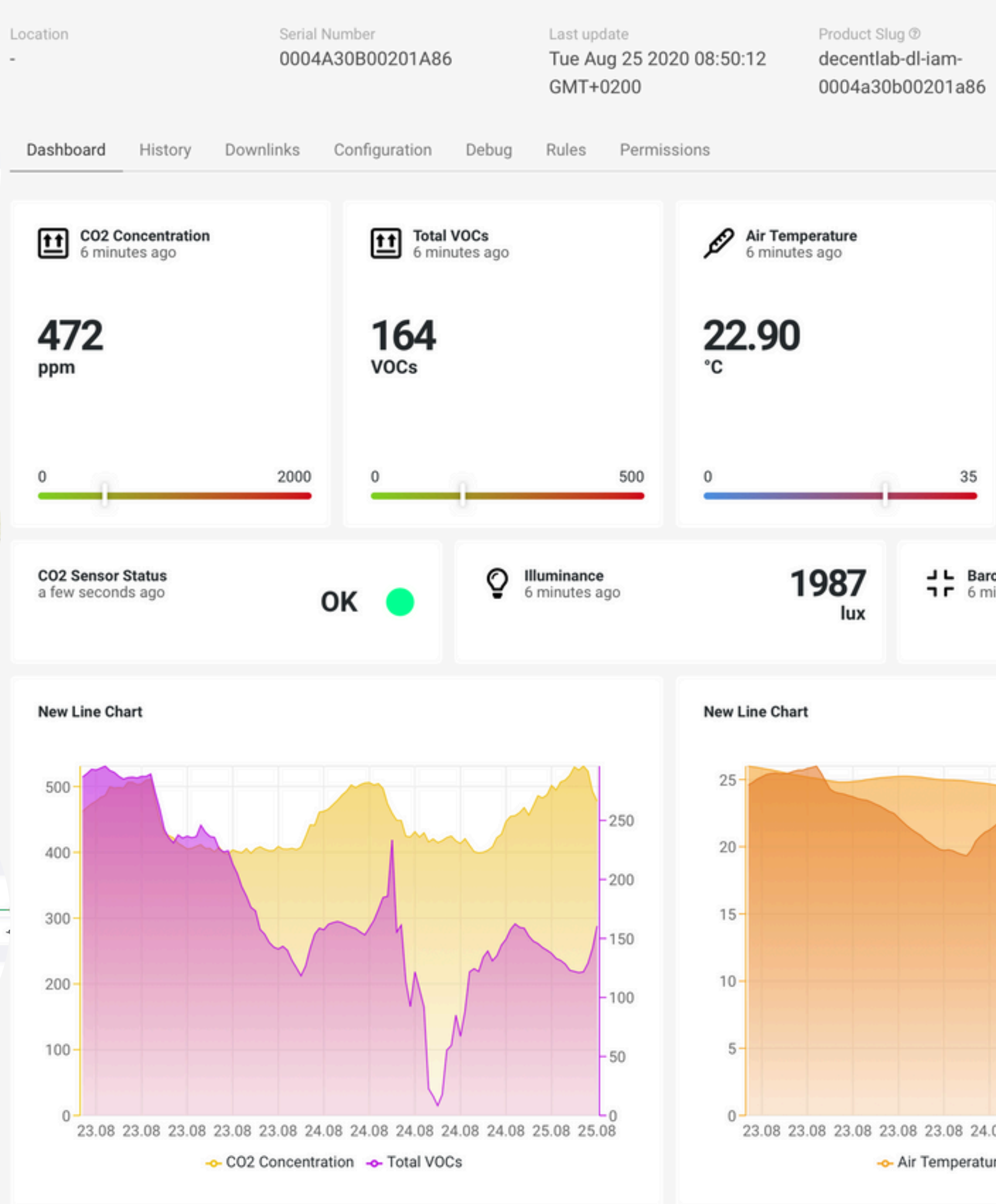
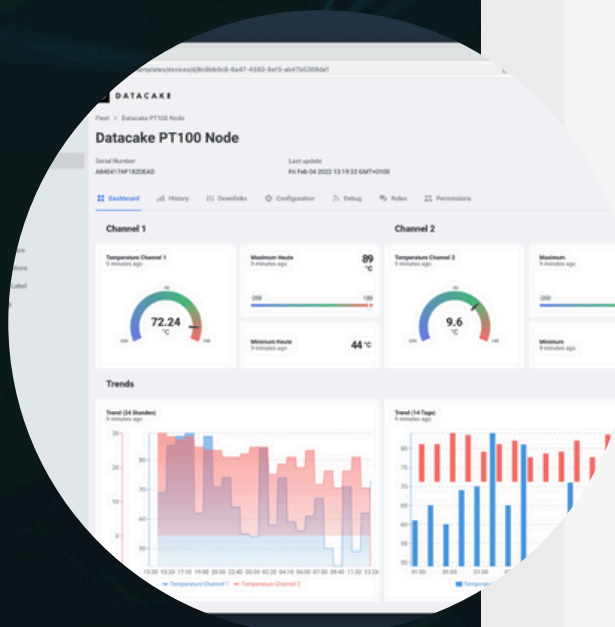
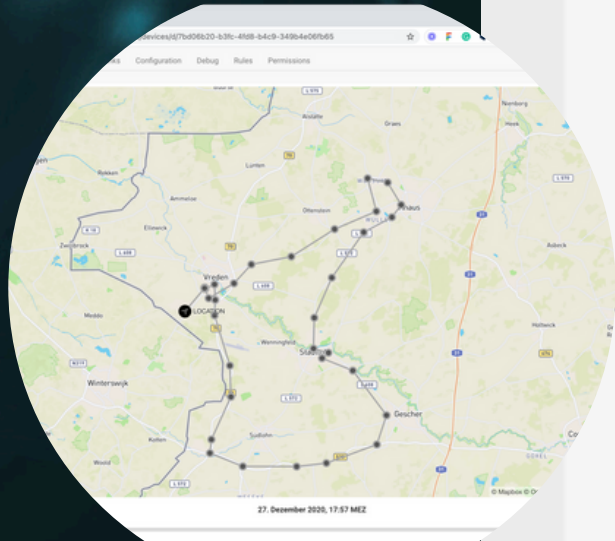
**THE THINGS  
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R-Optics provides the following:

- Easy to use Dashboards to view Telemetry
- Easily view Historical data
- Data Storage
- Formula Fields
- Mappings
- Look Uptables
- Consumption Counters
- Easy to use User Management
- Alerting
- Rich Data Visualization
- Choice of Widgets for Different Visualizations
- Periodic Exports of your IoT Device Data







# R-ANALYTICS

ANALYZE AND REPORT

COMING SOON.....



# R-OVERSIGHT

AUTOMATION & CONTROLS

COMING SOON.....



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Get Started with LoRaWAN  
Today!

INFO@RAMCO-TECH.COM

WWW.RAMCO-TECH.COM



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