OMNIWOT

Unified IoT Platform to
Monitor | Connect | Automate

- Wireless IOT Sensors
- Smart Gateways
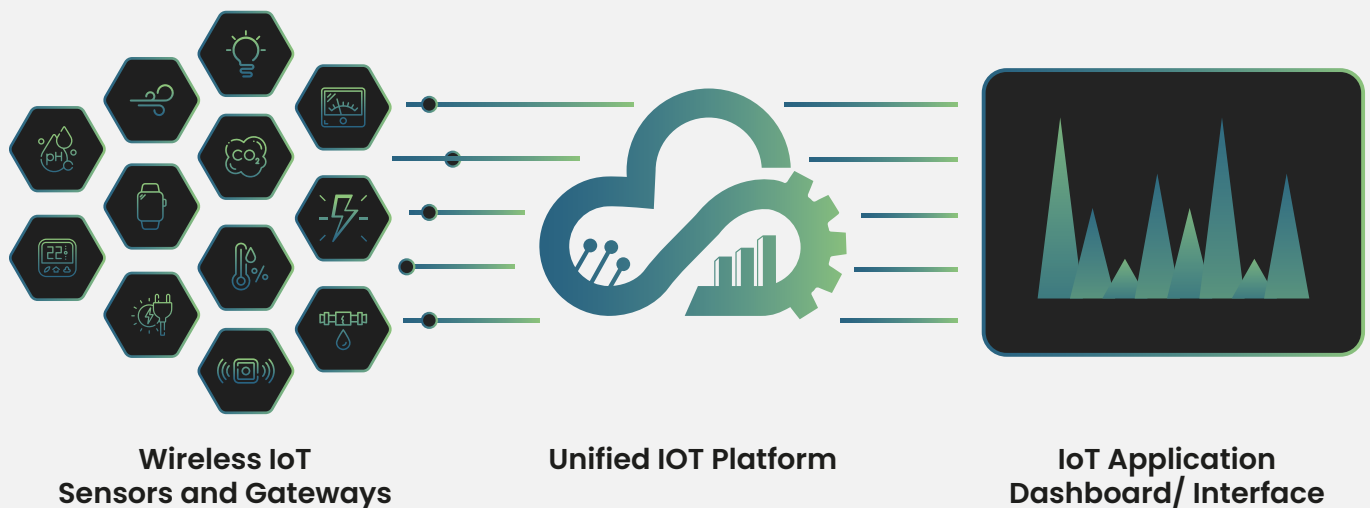- IOT Solution Aggregator

omniwot.com

About Us

OmniWOT delivers Intelligent, Wireless IoT solutions for Real-time monitoring, Automation, AI dashboards, and Simplified Digital Twin experiences — helping businesses make faster, data-driven decisions.

As a comprehensive solution aggregator, OmniWOT offers a hardware-agnostic Unified IoT Platform that connects devices seamlessly across wireless protocols and diverse systems.

We complement this with reliable IoT hardware, including sensors and gateways, enabling quick deployment, end-to-end visibility, and seamless integration — all from a single trusted source.

**Wireless IoT
Sensors and Gateways**

Unified IOT Platform

**IoT Application
Dashboard/ Interface**

With a strong network of partners, OmniWOT delivers customized solutions to meet specific business challenges. OmniWOT works closely with its partners and are committed to making a positive impact across all Industries.

OMNIWOT

Smart Cities

Smart Buildings

Energy Management

Smart Agriculture

Smart Gas & Water

Intelligent Parking
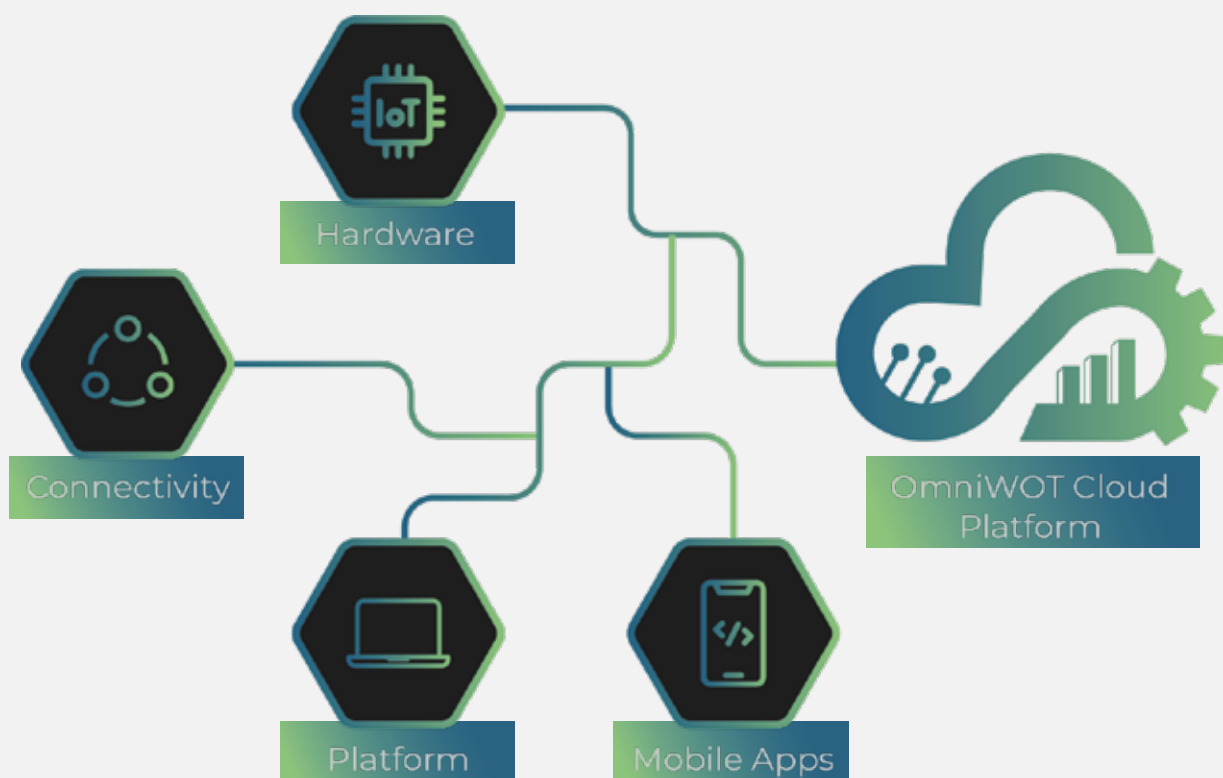
Waste Management

Unified IOT Platform

IoT Platform for Any Device, Any Protocol

OmniWOT delivers intelligent IoT solutions for real-time monitoring, automation, AI dashboards, and Simplified Digital Twin experiences — helping businesses improve visibility and make faster, data-driven decisions.

As a comprehensive solution aggregator, OmniWOT streamlines digital transformation by offering a Unified IoT Platform that supports seamless integration across diverse protocols and environments.Automation, Cold Chain Monitoring, Energy Management, Food & Beverage, and Asset Tracking.

01 | End-to-End Solutions

OmniWOT offers a cost-effective, unified IoT platform, providing smart wireless solutions for diverse industries including Smart Cities, Building Automation, Smart Parking, Healthcare, Smart Utility, Energy Monitoring and Logistics, seamlessly transforming data into actionable insights.

Unified IOT Platform

02 | Communication and Hardware Agnostic

Multi-Protocol

OmniWOT delivers unparalleled flexibility through its ability to seamlessly integrate with a wide range of communication protocols and hardware.

03 | Centralized Device Management

Taking all industries ahead

Effortlessly oversee all your connected devices across different applications with OmniWOT's centralized device management feature. Monitoring, updating, and controlling your IoT devices has never been simpler.
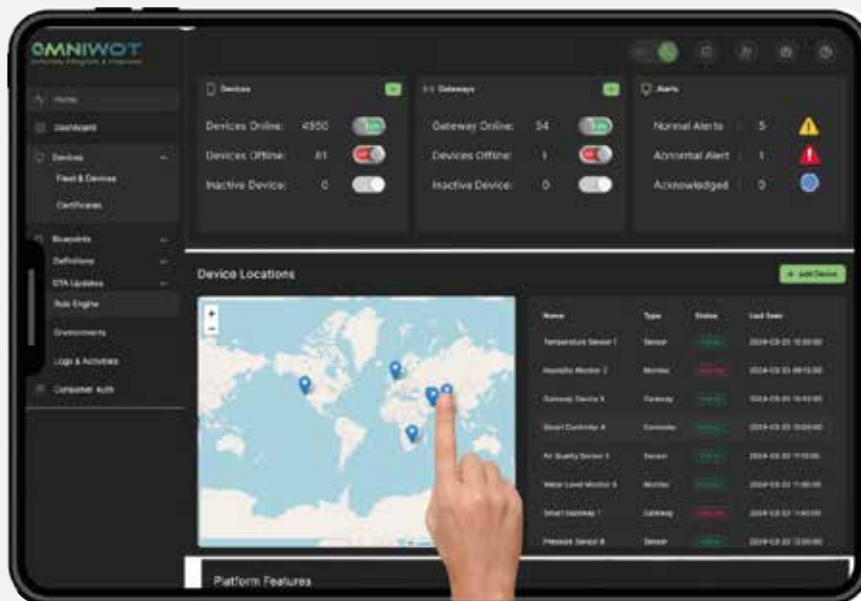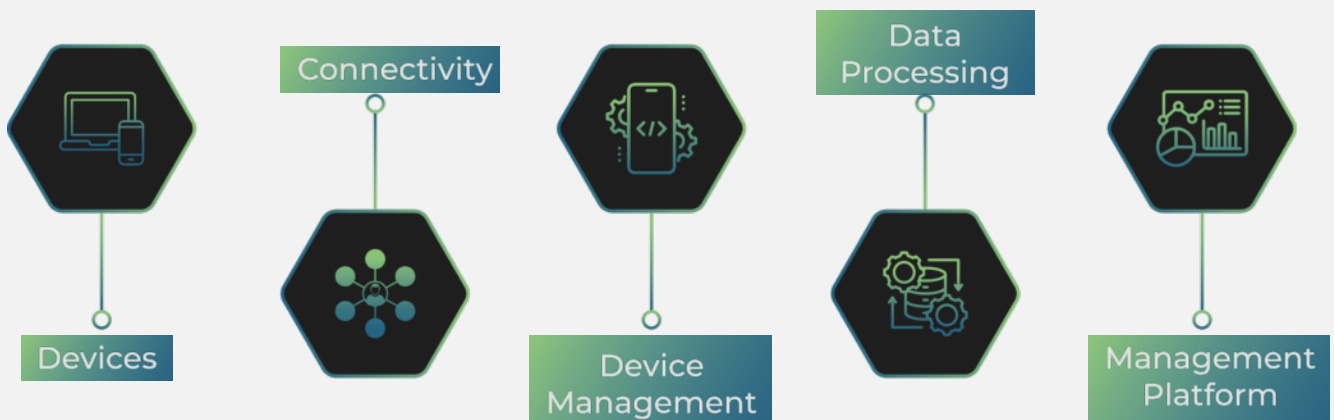
Unified IOT Platform

04 | Dashboard Builder

Discover the potential of OmniWOT: Book a personalized demo with our experts to see how our advanced sensors, gateways, and cloud platform can enhance your business operations

05 | Flexible Deployment Options

Experience ultra-easy installation with OmniWOT's wireless IoT sensors. Designed for a DIY approach, these sensors require minimal manpower and offer a straightforward setup process.

Devices   Connectivity   Device Management   Data Processing   Management Platform

Unified IOT Platform

Unlock the Power of OmniWOT —

Plug & Play IoT Platform for Any Device, Any Protocol

Discover the flexibility and control of OmniWOT, a unified IoT platform designed to simplify device management, real-time monitoring, and advanced analytics. Whether you're scaling operations or solving complex challenges, OmniWOT delivers the tools you need to streamline processes and drive business success
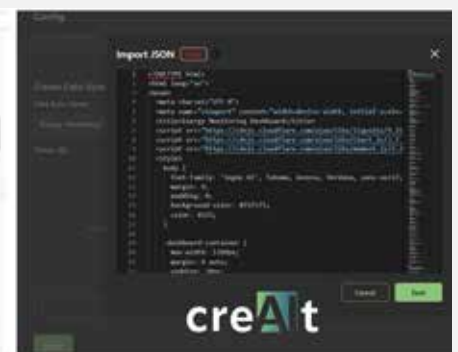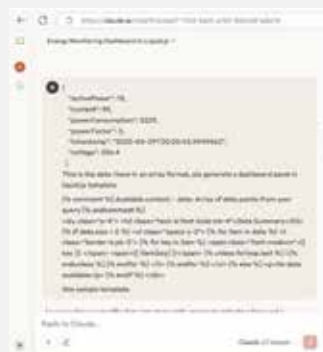
• Advanced IoT platform for rapid application development

• Seamless integration with LoRaWAN sensors, wireless gateways, and smart devices

• Pre-configured templates for faster onboarding of industrial sensors and smart assets

• Real-time data visualization, alerts, and analytics for remote asset monitoring

• White-label capabilities for branded IoT platforms tailored to your business

Perfect for smart industries including: Smart Buildings, Industrial Automation, Cold Chain Monitoring, Energy Management, Food & Beverage, and Asset Tracking.

creAIt

creAIt: Effortless Dashboard Creation with AI-Powered Natural Language

creAIt lets you create custom dashboards using simple text commands—no coding needed. Integrated with OmniWOT's IoT platform, it offers real-time, user-friendly data visualization across devices.

Unified IOT Platform

multi PRO

multiPRO: Seamless Multi-Protocol Support for Effortless IoT Device Onboarding
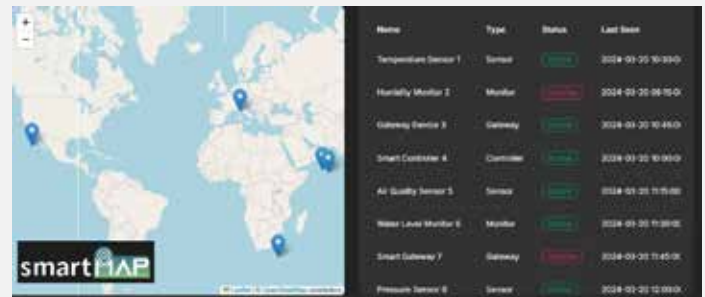
multiPRO supports a wide range of protocols like LoRaWAN, Modbus, MQTT, and more—ensuring fast, seamless IoT device integration. Built into OmniWOT's unified platform, it simplifies deployment and scaling across any ecosystem.

smart MAP

smartMAP: Real-time, Interactive Visualization of IoT Sensor Data by Region

SmartMAP delivers real-time, location-specific IoT insights through dynamic geospatial mapping. As you zoom into an area, only relevant sensor data appears—enabling precise, localized decision-making across large-scale deployments.

digi TWIN

digiTWIN: Digital Twin Capabilities for IoT Data Visualization

digiTWIN creates virtual replicas of physical assets, visualizing real-time data for smarter monitoring and analysis. Integrated with OmniWOT's platform, it enhances performance tracking and operational efficiency at scale.

Wireless IOT Sensors: Backbone of IOT

Our Wireless LPWAN IoT Sensors deliver real-time data over long distances with minimal power usage, making them ideal for wide-area monitoring. Designed for durability and scalability, they integrate seamlessly into existing IoT ecosystems, ensuring reliable and secure communication. Perfect for industries ranging from agriculture to smart cities.

Wireless IOT Sensors

We offer a diverse portfolio of over 100+ sensors and provide tailored sensor solutions on-demand. Our range includes Environmental, Industrial, and Automation Sensors, ensuring you find the perfect fit for your needs. Highlighting some of them...

- Temperature & Humidity Sensors
- Smart Thermostats
- Air Quality Sensors
- Water Level Sensors
- Soil Moisture & NPK Sensors
- Light Sensors
- Tracking Sensors
- Energy Consumption Sensors
- Gas Leak Sensors
- Pressure Sensors
- Door/Window Contact Sensors
- Flood Sensors & MORE>>>

At OmniWOT, we offer a wide range of high-quality sensors to meet your IoT needs. Our sensors are designed for reliability, accuracy, and ease of use. Whether you're building a smart home, a smart city, or an industrial IoT solution, OmniWOT has the sensors you need.

GATEWAY: Empowering Connectivity, Expanding Horizons

A gateway acts as the vital link between your IoT devices and the cloud, facilitating smooth communication and data exchange. It gathers data from sensors, processes it locally, and transmits it to the cloud for in-depth analysis and visualization.

1. **Coverage:** Provides extensive coverage, typically ranging from 2 to 5 kilometers in urban areas and up to 15 kilometers in rural or open areas. Ideal for connecting many IoT devices over wide geographical areas.

2. **Scalability:** Supports a high number of devices per gateway, making it suitable for large-scale IoT deployments & scalable by adding more gateways to the network as needed.

3. **Reliability:** Designed for high reliability with redundancy options to ensure continuous operation.

4. **Durability:** Built to withstand harsh environmental conditions, including extreme temperatures, moisture, and dust. Industrial-grade gateways offer long-lasting performance in demanding scenarios.

5. **Security:** Implements end-to-end encryption, ensuring that data transmitted over the network is secure.

6. **Ease of Deployment:** Simple and quick to deploy, with plug-and-play capabilities for rapid installation. Often requires minimal setup, with remote management options available.

7. **Interoperability:** Compatible with a wide range of LoRaWAN devices and network servers, supporting multi-vendor environments. Adheres to open standards, facilitating integration with existing IoT ecosystems.

8. **Power Efficiency:** Optimized for low power consumption, making it suitable for remote or off-grid deployments where power resources are limited.

9. **Support & Maintenance:** Typically supported by robust maintenance services, including remote monitoring and regular updates.

Facility Management with OmniWOT

OmniWOT's Facility Management Solution offers seamless, long-range wireless connectivity for monitoring and controlling building systems. Our technology ensures real-time data collection from various sensors, enabling efficient energy management, predictive maintenance, and enhanced security. With OmniWOT, facilities operate smarter, more sustainably, and with reduced operational costs.

Types of sensors driving the Facility Management Solution

1) Smart Thermostat
2) Temp & Humidity Sensor
3) Air Quality Sensors
4) Energy Meters
5) Lighting Sensors
6) Water Meter
7) Leak Detection Sensor

Energy Management Solution

OmniWOT's Energy Management Solution leverages LoRaWAN technology to provide real-time monitoring and control of energy consumption. Our solution offers scalable and reliable data transmission, enabling efficient energy management across diverse environments. Enhance your operational efficiency and reduce costs with our innovative, IoT-powered energy management system.

Types of sensors driving the Energy Management Solution

1) Wireless Energy Meters
2) Power Quality Sensors
3) Smart Light Sensors
4) Occupancy Sensors
5) Wireless Current Transformers

Health Care Solution

OmniWOT's Health Care Solution leverages LoRaWAN technology to deliver real-time patient monitoring with enhanced accuracy and reliability. Our solution ensures seamless data transmission across vast distances, providing healthcare professionals with critical insights for timely interventions. Enhance patient care and safety with our Smart Hospital and Elderly Care Monitoring solutions.

Types of sensors driving the Health Care Solution

1) Indoor Air Quality Sensor
2) Fall Detection Sensor
3) Environmental Sensors
4) Activity & Motion Sensors
5) Wearable Vital Signs Monitors
6) Patient Tracking Watch

Smart Agriculture Solution

OmniWOT's Smart Agriculture Solution harnesses LoRaWAN technology to provide precise, real-time monitoring of soil conditions, crop health, and weather conditions, environmental factors. Our Smart Agriculture Solution combines advanced Irrigation and Fertigation techniques with real-time LoRaWAN sensor data to deliver precise water and nutrient applications, enhancing crop yields and resource efficiency.

Types of sensors driving the Smart Agriculture Solution

1) Soil Moisture Sensor
2) Water Quality Sensors
3) Weather Station Sensor
4) Light Sensor Sensors
5) Nutrient / NPK Transformers
6) Soil PH Sensor

Cold Storage Solution

OmniWOT's Cold Storage Solution leverages LoRaWAN to ensure precise temperature monitoring and control in real-time. Our system provides reliable alerts for temperature deviations, reducing spoilage and enhancing inventory management. With seamless integration and low-power sensors, maintain optimal conditions effortlessly and cost-effectively.

Types of sensors driving the Cold Storage Solution

1) Temperatuer
2) Humidity Sensors
3) Door Contact Sensor
4) CO2 Sensors
5) Power Monitoring Sensor
6) Vibration Sensor
7) Air Quality Sensor
8) Leak & Flood Detection Sensor

Mining Solution

OmniWOT's Mining Solution harnesses LoRaWAN sensors to enhance safety and operational efficiency. Our system provides real-time tracking of equipment and personnel, monitors vital signs, and detects earth hazards with precision. Integrated alarms ensure immediate response to potential risks, safeguarding both workers and operations.

Types of sensors driving the Mining Solution

1) Wearable Sensor
2) Asset Tracking Sensor
3) Vibration Sensor
4) Water Turbidity Sensor
5) Structural Health Sensors
6) Temp & Humidity Sensor

Food & Restaurant Solution

OmniWOT's Food & Restaurant Solution leverages LoRaWAN sensors to ensure optimal food quality by continuously monitoring stock levels and maintaining precise temperature controls. Prevent spoilage with real-time alerts and data-driven insights, ensuring freshness and reducing waste. Optimize your inventory and improve operational efficiency effortlessly.

Types of sensors driving the Food & Restaurant Solution

1) Temp & Humidity Sensor
2) Power Monitoring Sensor
3) Vibration Sensor
4) Water Leak Detection
5) Equipment Monitoring Sensor

Smart Parking Solution

OmniWOT's Smart Parking Solution uses LoRaWAN sensors to streamline parking management with real-time space availability data. Optimize space utilization and reduce congestion by guiding drivers to open spots efficiently. Enhance your parking experience with automated monitoring and dynamic updates, ensuring convenience and efficiency.

Types of sensors driving the Smart Parking Solution

1) Parking Sensor
2) Smart Gateway
3) Smart Parking Application

Waste Management Solution

OmniWOT's Waste Management Solution utilizes LoRaWAN sensors to streamline waste collection with real-time bin monitoring. Receive instant alerts when bins are full, optimize collection routes, and track assets for efficient management. Enhance operational efficiency and reduce costs with data-driven insights.

Types of sensors driving the Waste Management Solution

1) Level Sensor
2) GPS Tracking Sensor
3) Bin Open/Close Sensor
4) Temperature Detection
5) Smart Gateway

People Counting Solution

OmniWOT's People Counting Solution utilizes LoRaWAN sensors to accurately track and manage foot traffic in real-time. Gain insights into occupancy patterns and optimize space utilization with reliable, data-driven information. Enhance operational efficiency and ensure a safer environment with precise and scalable people counting capabilities.

Types of sensors driving the People Counting Solution

1) People Counting Sensor
2) Smart Gateway
3) Smart Counting Application

Asset Tracking Solution

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4) CO2 Sensors
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6) Vibration Sensor
7) Air Quality Sensor
8) Leak & Flood Detection Sensor

Integrated Building Management System

The most advanced Intelligent Building Management Systems (BMS) integrate technologies that directly drive down energy consumption in commercial, industrial, institutional, and residential settings.

The greenfield (or) brownfield assets equipped with multiple systems from various manufacturers and models. Like HVAC, Lighting Control, Access Control, and Energy Meters, etc.. in buildings.
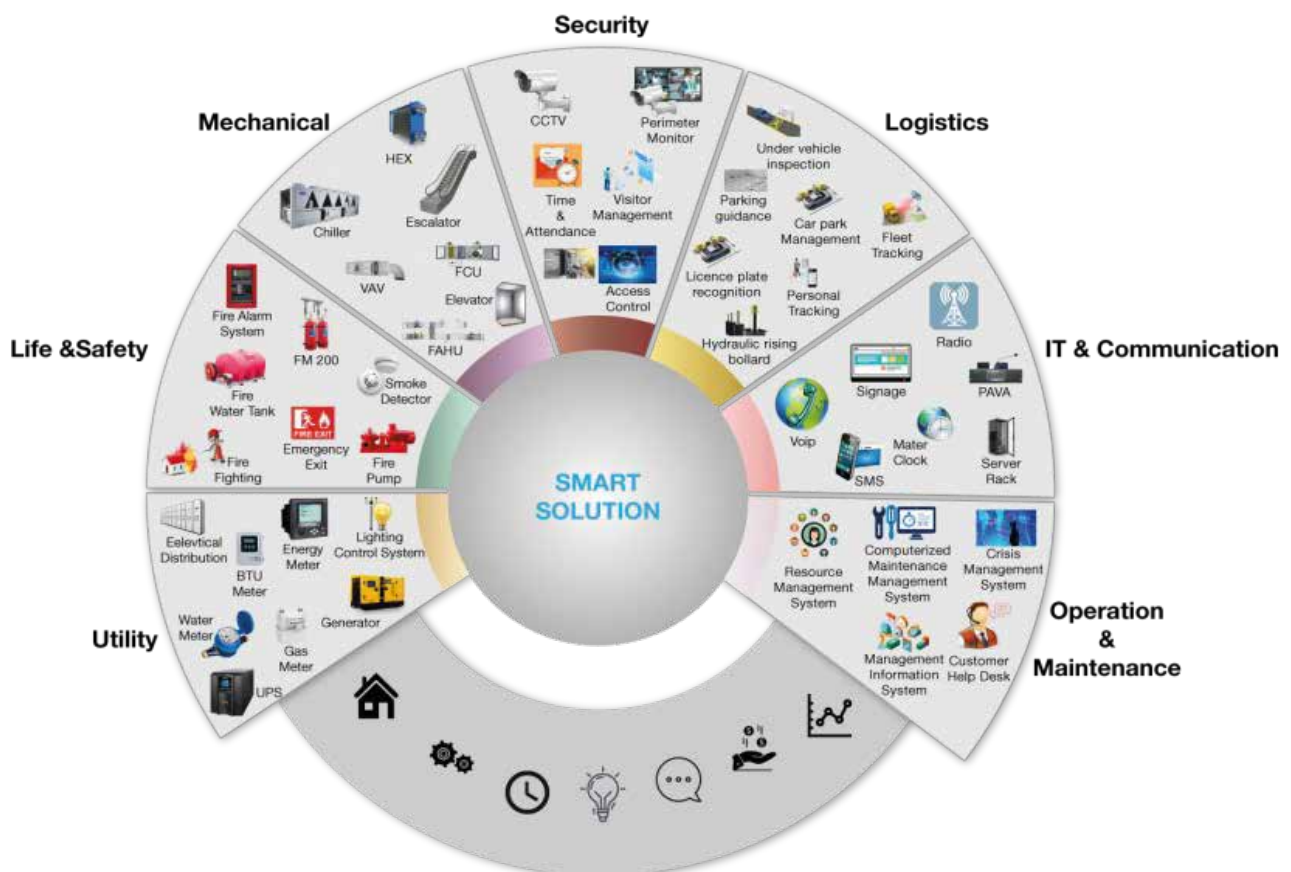
These systems leverage IoT-enabled sensors, automation, and analytics to dynamically manage energy flows—optimizing HVAC, Lighting, and other equipment operation based on real-time conditions.

Such Intelligent BMS solutions are equipped with predictive maintenance and load-shedding capabilities, allowing for precise control over energy-intensive processes. This not only enhances energy efficiency but also reduces operational costs and environmental impact, aligning with global sustainability goals across multiple sectors.

We are a leading system integrator, specializing in seamless integration from devices to the digital realm, independent of system, vendor, or manufacturer. Our expertise enables us to implement clients' visions using advanced resources and technology to enhance operational efficiency and profitability.

Our tailored software, hardware, and controllers are designed to meet the evolving demands of IoT, system integration, asset management, facility management, and the energy sector.

M2M (Machine-to-Machine) technology is a key enabler of the Internet of Things (IoT), linking machines, devices, and objects to the internet and transforming them into intelligent assets capable of seamless communication with their environment. By combining the latest in M2M technology with our advanced IoT solutions, we offer innovative possibilities for customers globally. Our expertise spans IoT, System Integration, Consultancy, Energy Analysis, and Cloud-connected smart devices. With a skilled team in building automation, electrical, IT, and electromechanical engineering, we deliver high-quality products and services worldwide through trusted partnerships.
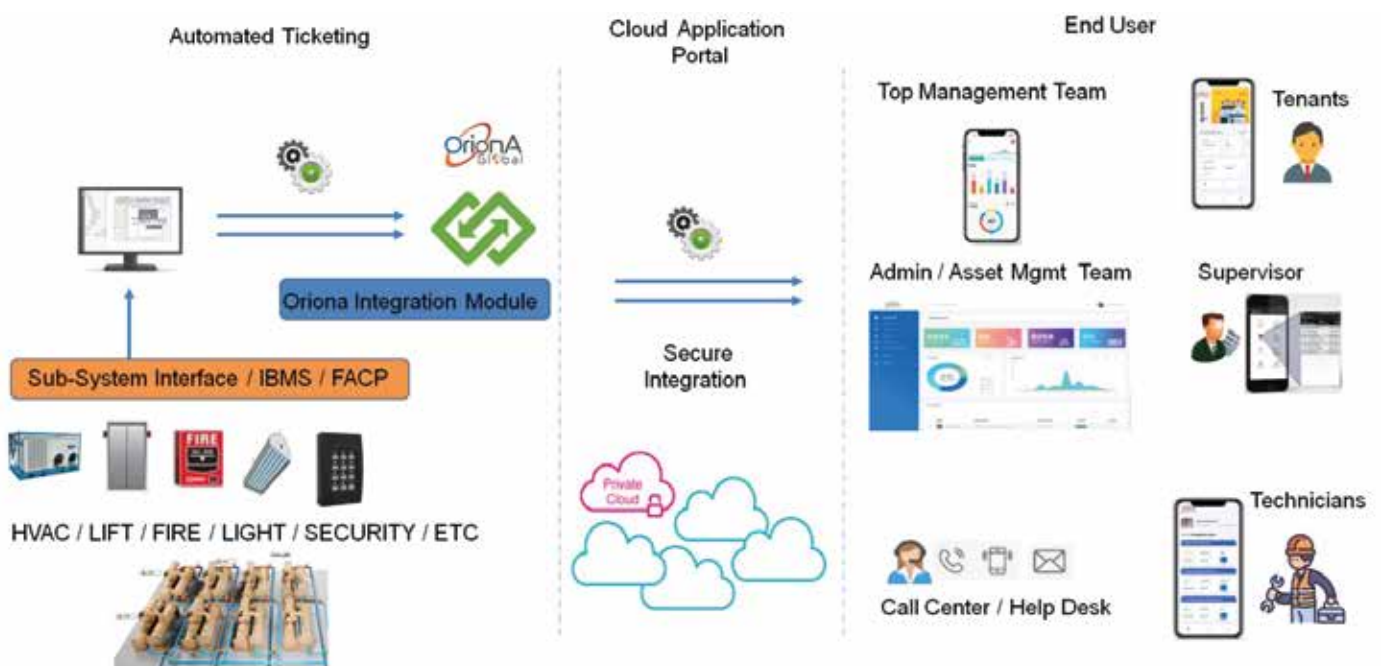
Command Control Centre Automation

The command control center allows cities to create a comprehensive digital platform that consolidates data from multiple connected systems, including access control, city surveillance, vehicles, buildings, and roadside sensors.

Seeking an automated solution for centralized control over your operations? Our Command Control Centre Automation solutions are designed to provide seamless integration and data flow, facilitating better decision-making and communication.

This system connects field sensors and communication channels, ensuring optimal outcomes across various applications. Widely adopted in public projects, asset management, facility management, universities, smart cities, security, and surveillance, the Command Control Centre effectively manages complex, multi-system environments with ease and efficiency, tailored for modern, interconnected infrastructures.

Smart Asset Management CAFM l CMMS l EAM l IWMS

Message from the CEO

OmniWOT offers a comprehensive Wireless IoT ecosystem, covering everything from devices to the cloud. As a trusted distributor of LoRaWAN IoT Sensors, Smart Gateways, and Cloud IoT Platforms, we provide end-to-end solutions across various industries.

At OmniWOT, we deliver Wireless, Hardware-agnostic IoT solutions for Real-Time Monitoring, Automation, and Simplified Digital Twin experiences.

With deep expertise in LPWAN technologies, we help businesses streamline operations through our Unified IoT Platform, which connects devices via gateways and the cloud.

As a trusted IoT solution aggregator, we support integrators and dealers with a growing portfolio of sensors, applications, and intuitive UI/UX — tailored for scalable, commercial-grade deployments.

Together, we are committed to maintaining our legacy of excellence, equipping our clients with the tools they need to thrive in the digital age. Our goal is to empower organizations with efficient, reliable, and future-ready IoT technology.

Thank you for choosing OmniWOT as your IoT innovation partner.

Sincerely,

Sathish Arya
CEO, OmniWOT

OMNIWOT

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Innovate, Integrate & Empower

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