



# Factories & Industries solution from OmniWOT

## Revolutionizing Industrial Operations with IoT

In the era of Industry 4.0, integrating IoT technologies is crucial for enhancing operational efficiency, ensuring equipment longevity, and maintaining environmental safety in factories. OmniWOT's IoT-based solution offers comprehensive monitoring and automation, transforming factory management.

### Challenges in Factory Management

**Environmental Monitoring:** Maintaining optimal temperature, humidity, and air quality is vital for both equipment performance and worker safety.

**Equipment Maintenance:** Predicting and preventing machinery failures to reduce downtime and maintenance costs.

**Energy Consumption:** Monitoring and optimizing energy usage to enhance efficiency and reduce operational costs.

**Layout Flexibility:** Adapting to changing floor configurations requires flexible and easily relocatable monitoring systems.

### OmniWOT's Smart IoT Solution

Our wireless, cloud-based monitoring system enables factory managers to remotely oversee and manage various aspects of industrial operations effectively.

### Comprehensive Factory Management

**Environmental Monitoring:** Utilizes wireless sensors to continuously monitor temperature, humidity, air quality, and carbon dioxide levels, ensuring a safe and optimal working environment.

**Predictive Maintenance:** Collects data on machine usage, startup cycles, and error logs to anticipate failures or inefficiencies, allowing for timely interventions.

**Energy Management:** Implements sub-metering and current monitoring for single-phase or three-phase systems, aiding in energy consumption analysis and optimization.

## Key Components Driving OmniWOT's Elderly Care Monitoring Solution

1. Thermocouple Sensor - Type K
2. Light Sensor
3. Vibration Sensor
4. Emergency Push Buttons
5. Smart Door Sensors
6. Water Leak Sensors
7. Air Quality
8. Pulse Counter



## Effortless IoT Integration with OmniWOT's Open Cloud Platform

OmniWOT's Open Cloud Platform is designed for seamless connectivity, enabling **Wireless IoT sensors to effortlessly onboard via LPWAN/LoRaWAN Gateways**.

With a **hardware-agnostic architecture**, it supports a broad range of IoT devices, providing **scalability and flexibility** for diverse applications.

Unlock real-time monitoring, smart automation, and data-driven insights with minimal setup effort, making IoT integration more efficient and future-ready.



## Simple, Clear & Timely Alerts

**Environmental Alerts:** Notifies personnel when environmental parameters deviate from set thresholds, preventing potential hazards.

**Maintenance Alerts:** Provides early warnings for equipment requiring attention, facilitating proactive maintenance and reducing unexpected downtime.

**Energy Consumption Alerts:** Alerts when abnormal energy usage patterns are detected, enabling prompt corrective actions.

## Key Benefits of OmniWOT's Factory Solution

**Enhanced Operational Efficiency:** Real-time monitoring and automation streamline processes, reducing manual intervention and operational costs.

**Reduced Downtime:** Predictive maintenance minimizes unexpected equipment failures, ensuring continuous production.

**Energy Savings:** Detailed energy consumption insights lead to informed decisions on energy use, resulting in cost savings.

**Adaptability:** Easily relocatable wireless sensors accommodate changing factory layouts, maintaining consistent monitoring.

## Transform Your Factory Operations with OmniWOT's IoT Solution

OmniWOT's advanced wireless sensors, real-time analytics, and automated alerts ensure efficiency, safety, and reliability in industrial operations.

Notice to reader:

All product specifications on this catalogue are subject to change without notice.

All logos & trade marks represent the registered users only

Not all products in this catalogue are available in every region.

All rights reserved.

# OMNIWOT

Innovate, Integrate & Empower

[omniwot.com](https://omniwot.com) | +91 75502 28044 | [info@omniwot.com](mailto:info@omniwot.com)

OmniWOT Technologies Private Limited, 103, Tower 5,  
L&T Raintree Boulevard Bellary Road,  
Byatarayanapura, Bengaluru, India-560092.

