CLOUDMON

# Minimizing Downtime in Smart Warehouses & Distribution Centers

## Business Challenge

Logistics operations rely on a tightly integrated ecosystem of conveyor systems, barcode scanners, handheld terminals, WMS (Warehouse Management Systems), and IoT sensors. When any system fails, whether due to server lag, network congestion, or application issues, order fulfillment stalls, SLA breaches rise, and customer satisfaction drops.

According to recent industry research, unplanned warehouse downtime typically costs organizations between $10,000 to $22,000 per hour, with the exact impact depending on the size and automation level of the facility. For example, a 750,000 sq. ft. distribution center may incur over $10,000 per hour in lost productivity, delayed shipments, and labor inefficiencies. These figures underscore the critical need for proactive monitoring, predictive maintenance, and resilient infrastructure across warehouse and supply chain operations to avoid cascading disruptions.

## How Cloudmon Helps

1. **Unified Observability** across OT (operational technology), WMS, network switches, and application layers, ensuring every system is monitored in real time.
2. **AI-Driven Root Cause Analysis** pinpoints issues across complex system dependencies (e.g., latency in handheld scanner updates due to network switch failure).
3. **Custom Dashboards** for site managers and IT to monitor KPIs like device uptime, app latency, order processing time.
4. **Rapid Deployment** across multiple warehouse locations, both on-prem and in hybrid cloud settings.

## Cloudmon Impact

Increase throughput by ensuring system stability.

Lower operational cost through automation and fewer manual escalations.

CLOUDMON®

# Real-Time Visibility & Performance Optimization

## In Smart Manufacturing

## Business Challenge

Manufacturers today integrate ERP systems, SCADA/PLC controls, MES (Manufacturing Execution Systems), and IoT across factory floors. A network glitch or app delay can halt production lines, cause defects, and create significant waste or missed deadlines. Yet, traditional monitoring lacks real-time correlation and full-stack visibility.

Deloitte estimates that unplanned downtime costs manufacturers $50 billion annually, with equipment miscommunication and IT/OT disconnects being key drivers.

## How Cloudmon Helps

**End-to-End Observability** connects machine data, sensors, applications (MES/ERP), and infrastructure for a real-time performance view.

**AI Traffic & Flow Analysis** detects latency spikes, packet drops, or degraded connectivity between factory controllers and servers.

**Digital Experience Monitoring** measures operator interface performance and application responsiveness across devices and shifts.

**AI Root Cause Analysis** rapidly identifies if production slowdowns stem from network congestion, app overload, or compute limitations.

## Cloudmon Impact

Maximize uptime of production lines.

Reduce defects caused by real-time data sync issues.

Lower maintenance costs through early anomaly detection.

CLOUDMON

# Enhancing End-to-End Logistics Visibility & Customer Experience

## Business Challenge

Modern logistics firms rely on integrated systems: fleet tracking, TMS (Transport Management Systems), driver mobile apps, customer portals, and warehouse APIs. Disconnected monitoring causes blind spots, leading to missed ETAs, customer complaints, and high support volumes.

Gartner reports that 80% of the supply chain environment isn't included in digital decision-making systems indicating major gaps in operational oversight.

## How Cloudmon Helps

**Unified Monitoring** across cloud-based TMS, driver mobile apps, GPS data feeds, and logistics APIs ensuring full delivery chain visibility

**AI Network Flow Analysis** uncovers slowdowns in route optimization engines, latency in mobile app data syncing, or API timeout failures.

**Custom Dashboards** tailored for dispatchers, CX teams, and IT, showing health and performance of services by region, fleet, or partner.

## Cloudmon Impact

1. Improve customer satisfaction through reliable tracking and faster response.
2. Reduce support center load by ensuring portal and app uptime.
3. Increase on-time delivery performance and trust with B2B and B2C clients.