

## /IOTCONNECT®

# Avnet's Smart Warehouse Monitoring powered by IoT & AI

## Challenges

**Perform smarter, streamline business processes and maximize space utilization**

Today, warehouses are more than storage and inventory facilities. Many organizations are therefore investing in IoT-enabled warehouses for better automated control systems (ACS) and warehouse management systems (WMS) to improve their operational efficiency by reducing costs. Our Smart Warehouse Monitoring solution enables real-time monitoring of warehouse assets/equipment by providing transparency and traceability of all goods across different locations. The collected data generates meaningful insights on the status of inventory and storage and gives visibility of the stock. It helps the warehouse operator to prevent inventory shrinkage and improves the safety of workers. Such valuable insights also help to optimize storage locations, pallet journeys, warehouse throughput and workforce.

## Avnet /IOTCONNECT Solution

**Take your warehouse operations to the next level using IoT**

Avnet's Smart Warehouse Monitoring Solution leverages Amazon AWS and IoT technologies to transform modern warehouses into dynamic, efficient hubs. As warehouses shift from being simple storage facilities to complex operational centers, organizations are adopting IoT-enabled Automated Control Systems (ACS) and Warehouse Management Systems (WMS) to optimize efficiency and reduce costs.

### Benefits

- Reduced warehouse operating costs
- Improved operational efficiency
- Effective, real-time tracking
- Integration with warehouse management systems
- Optimization of location bin and utilization
- Enhanced forecasting accuracy



## Highlights

### Easy implementation:

- Our smart Facility solutions are powered by a modern networking infrastructure platform that works with the current system with minimal disruption.

### Accelerate ROI:

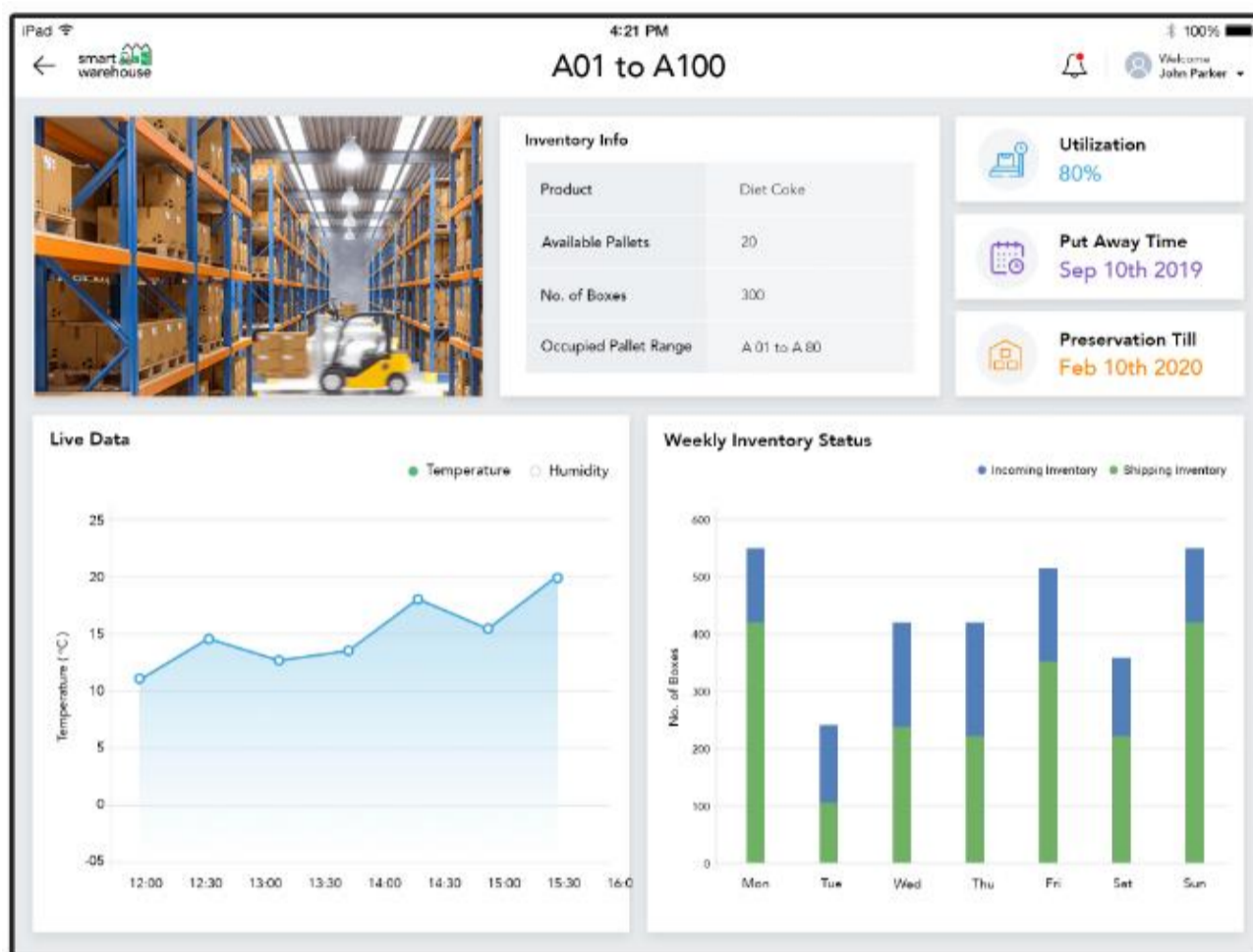
- Our solutions feature state-of-art technologies such as advanced analytics, deep learning and artificial intelligence that provide real-time visibility and simplify the implementation of higher ROI solutions.

### Comprehensive security:

- We follow best practices to ensure that all data are properly secured by following the highest standards in compliance with various industry and federal regulations.

# Avnet's Smart Warehouse Monitoring on AWS

By integrating real-time and historical data with IoT-enabled systems, Avnet's Smart Warehouse Monitoring Solution not only improves operational efficiency but also enhances safety, reduces costs, and empowers businesses to operate smarter and more securely.



## KPIs for Warehouse Management

- Productivity and turnover rate
- Inventory on-hand and inventory flow
- Order fill rate
- Pick and pack efficiency
- Occupancy management
- Inventory health monitoring

Get started with Avnet /IOTCONNECT solutions on AWS

Contact our IoT experts – [mailto:@Avnet.com](mailto:mailto:@Avnet.com)



## Features

### 1. Smart warehouse management

- Manage the journey of goods starting from pick-ups, quality control, storage, to retrieval
- Track inventory items by monitoring their status and position
- Manage day-to-day warehouse processes without human errors

### 2. Warehouse pallet tracking & monitoring

- Log the entry and exit of pallets from the warehouse
- Monitor the movement of pallets with warehouse zones
- Track the exact location of pallets that are lost or misplaced

### 3. Environment & storage area monitoring

- Preserve perishable foods, finished products, unfinished material and process chemicals
- Monitor the physical condition of the inventory stock to prevent from damages
- Automate environment control - temperature, cold storage, air quality, dust, CO2 levels and HVAC systems

/IOTCONNECT is available for subscription and a free trial on AWS Marketplace [HERE](#)

