

# Inventory management for chemicals and supplies

Automates inventory tracking and reordering of car wash chemicals and supplies across multiple locations, ensuring optimal stock levels while minimizing waste and preventing service disruptions due to stockouts.

Download PDF

Get Your Blueprint

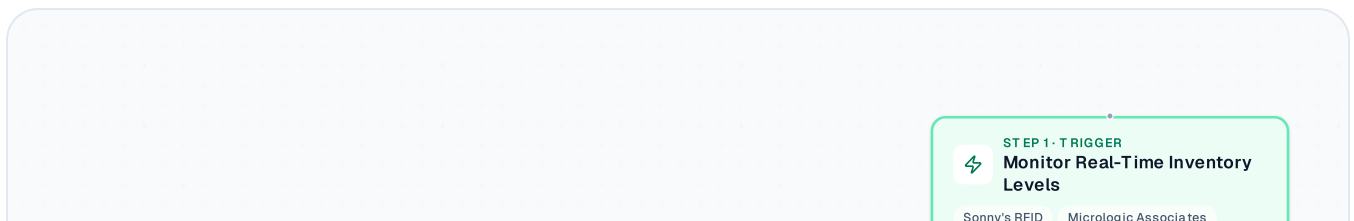
## WORKFLOW TRIGGER

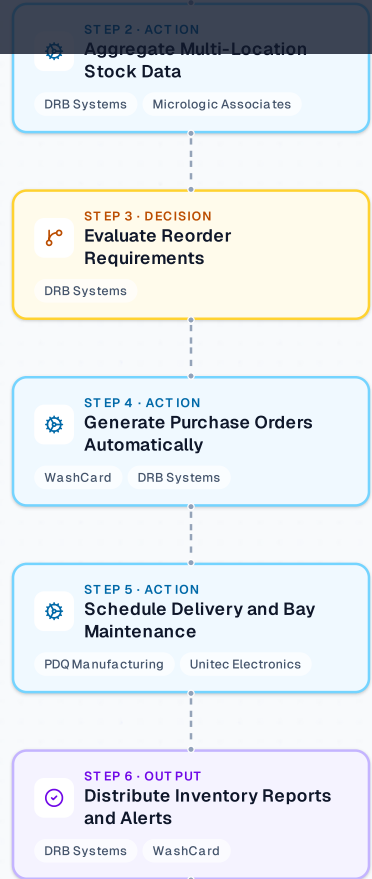


Daily inventory scan completed at 6 AM or stock level falls below minimum threshold at any location.

## Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





+  
-  
↻

## Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

### Monitor Real-Time Inventory Levels

RFID sensors continuously track chemical tank levels and supply counts at each wash bay, automatically flagging when inventory drops below

predefined thresholds.

## AI Business OS

Sonny's RFID    Micrologic Associates

2

 ACTION

### Aggregate Multi-Location Stock Data

System pulls current inventory data from all car wash locations and consolidates into a unified dashboard showing chemical usage rates, supply counts, and consumption trends.

DRB Systems

Micrologic Associates

3

 DECISION

### Evaluate Reorder Requirements

Algorithm analyzes current stock against forecasted demand based on historical wash volume, seasonal patterns, and upcoming promotions to determine if reorder is needed or if inter-location transfer is more efficient.

DRB Systems

4

 ACTION

### Generate Purchase Orders Automatically

For items requiring reorder, system creates purchase orders with optimal quantities based on bulk pricing tiers, storage capacity, and supplier lead times, then routes for approval or auto-submits based on dollar threshold.

WashCard

DRB Systems

5

 ACTION

### Schedule Delivery and Bay Maintenance

## AI Business OS

Coordinates chemical delivery windows with wash bay scheduling to minimize service disruption, automatically blocking maintenance windows in the reservation system for tank refills and equipment checks.

PDQ Manufacturing

Unitec Electronics

6

🎯 OUTPUT

### Distribute Inventory Reports and Alerts

Generates comprehensive inventory status reports for management, sends low-stock alerts to location managers, and updates financial systems with projected supply costs for the period.

DRB Systems

WashCard



### Outputs

- Automated purchase orders sent to approved suppliers
- Multi-location inventory status dashboard updated in real-time
- Weekly consumption and cost analysis report delivered to operations team



### Key Metrics

- Stockout incidents per location per month

- Chemical cost per vehicle washed

## AI Business OS



### Tools & Integrations

- Sonny's RFID
- Micrologic Associates
- DRB Systems
- WashCard
- PDQ Manufacturing
- Unitec Electronics

Actionable AI implementation strategies for  
**AI Business OS** ready to transform their  
operations.

## COMPANY

[About](#)

[Industries](#)

## CONNECT

[MVP.dev](#)

[LinkedIn](#)

## RESOURCES

[Articles](#)