

# Ingredient procurement and supplier management

Automates ingredient procurement by monitoring inventory levels, evaluating suppliers based on quality and compliance scores, generating purchase orders, and tracking deliveries to ensure continuous production without stockouts.

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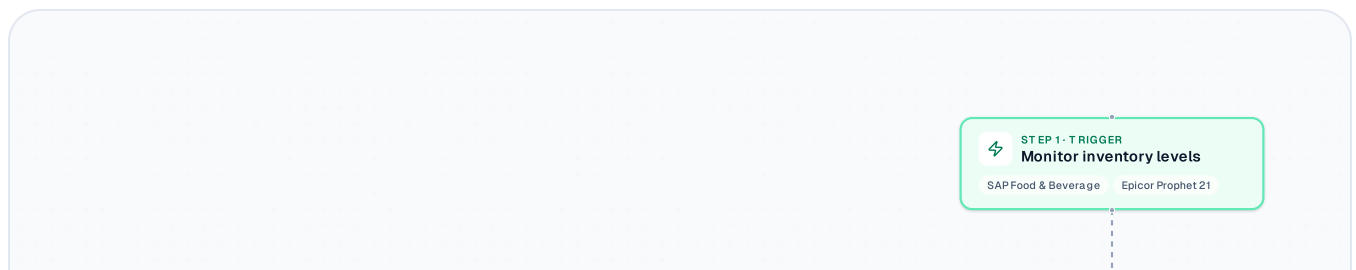


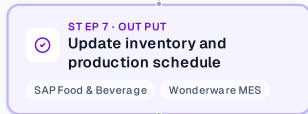
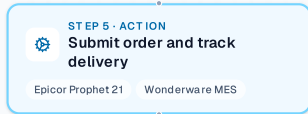
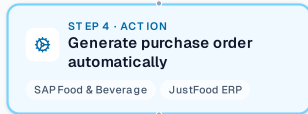
## WORKFLOW TRIGGER

Ingredient inventory level drops below predefined reorder point threshold

## 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

## Monitor inventory levels

System detects when ingredient stock falls below minimum threshold levels. Triggers procurement workflow to prevent production delays.

SAP Food & Beverage

Epicor Prophet 21

2

 ACTION

## Retrieve supplier performance data

Gathers current supplier quality scores, compliance ratings, pricing, and delivery performance metrics. Consolidates data for supplier evaluation process.

FoodLogiQ

ComplianceQuest

3

 DECISION

## Evaluate preferred supplier availability

Checks if primary supplier meets quality standards and has adequate stock availability. Routes to alternative supplier if primary fails criteria.

FoodLogiQ

JustFood ERP

4

 ACTION

## Generate purchase order automatically

Creates purchase order with optimal quantities based on demand forecasting and safety stock requirements. Includes compliance specifications and delivery requirements.

SAP Food & Beverage

JustFood ERP

5

### Submit order and track delivery

Sends purchase order to selected supplier and initiates delivery tracking. Updates production scheduling system with expected arrival dates.

Epicor Prophet 21

Wonderware MES

6

 ACTION

### Verify compliance and quality certificates

Validates supplier documentation including certificates of analysis, organic certifications, and food safety compliance. Flags any non-conforming deliveries.

FoodLogiQ

ComplianceQuest

7

 OUTPUT

### Update inventory and production schedule

Confirms ingredient receipt in inventory management system and updates production planning. Generates procurement summary report with supplier performance metrics.

SAP Food & Beverage

Wonderware MES



## Outputs

### AI Business OS

- Automated purchase orders sent to qualified suppliers
- Updated inventory levels and safety stock calculations
- Supplier performance scorecards and compliance reports



### Key Metrics

- Inventory turnover rate
- Supplier on-time delivery percentage
- Cost savings from automated procurement



### Tools & Integrations

- SAP Food & Beverage
- Epicor Prophet 21
- FoodLogiQ
- ComplianceQuest
- JustFood ERP
- Wonderware MES

## AI Business OS

Actionable AI implementation strategies for business leaders ready to transform their operations.

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