

Supply chain and inventory management

Automates pharmaceutical supply chain monitoring and inventory management by tracking drug stock levels, predicting demand, and triggering replenishment orders while ensuring regulatory compliance and cold chain integrity.

Download PDF

Get Your Blueprint

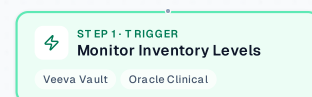


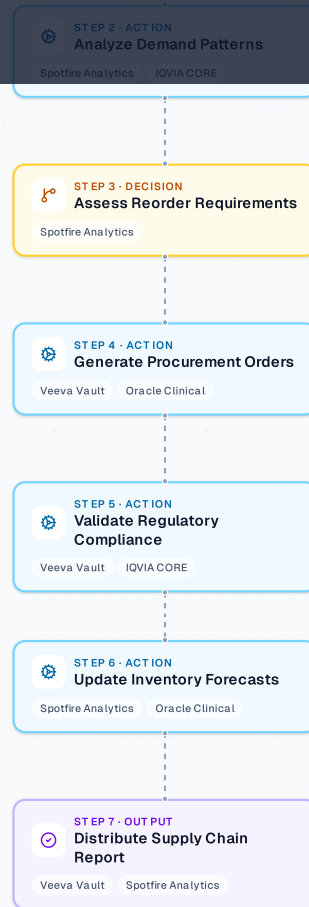
WORKFLOW TRIGGER

Daily inventory level check across all pharmaceutical distribution centers and manufacturing facilities.

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 Inventory Levels

Daily automated scan of drug inventory levels across all warehouses and distribution centers. System pulls real-time stock data including expiration

dates and batch numbers.

AI Business OS

Veeva Vault

Oracle Clinical

2

 ACTION

Analyze Demand Patterns

AI system analyzes historical consumption data, seasonal trends, and clinical trial requirements to predict future demand. Incorporates market intelligence and prescription volume forecasts.

Spotfire Analytics

IQVIA CORE

3

 DECISION

Assess Reorder Requirements

System evaluates if current stock levels meet safety thresholds and predicted demand. Considers lead times, minimum order quantities, and regulatory buffer requirements.

Spotfire Analytics

4

 ACTION

Generate Procurement Orders

Automatically creates purchase orders for identified shortfalls with approved suppliers. Includes specifications for batch documentation and cold chain requirements.

Veeva Vault

Oracle Clinical

5

 ACTION

Validate Regulatory Compliance

AI Business OS

System checks supplier certifications, validates batch documentation, and ensures all procurement meets FDA and international regulatory standards. Verifies serialization requirements.

Veeva Vault

IQVIA CORE

6

 ACTION

Update Inventory Forecasts

Refreshes inventory planning models with new procurement data and adjusts future demand predictions. Updates clinical trial supply allocations.

Spotfire Analytics

Oracle Clinical

7

 OUTPUT

Distribute Supply Chain Report

Generates comprehensive dashboard showing inventory status, pending orders, compliance alerts, and supply risk assessments. Sends notifications to procurement and operations teams.

Veeva Vault

Spotfire Analytics



Outputs

- Automated procurement orders
- Regulatory compliance status report

- Inventory forecast dashboard

AI Business OS



Key Metrics

- Days of inventory on hand
- Stock-out incidents
- Procurement cost variance
- Regulatory compliance score



Tools & Integrations

- Veeva Vault
- Oracle Clinical
- Spotfire Analytics
- IQVIA CORE

AI Business OS

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

COMPANY

[About](#)

[Industries](#)

CONNECT

[MVP.dev](#)

[LinkedIn](#)

RESOURCES

[Articles](#)