

Parts inventory management

Automates elevator parts inventory management by monitoring stock levels, predicting demand based on maintenance schedules, and automatically reordering critical components to prevent service delays.

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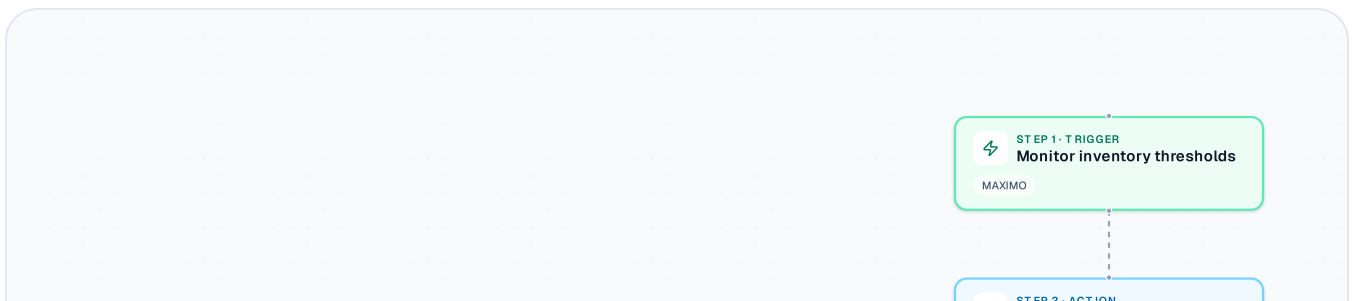


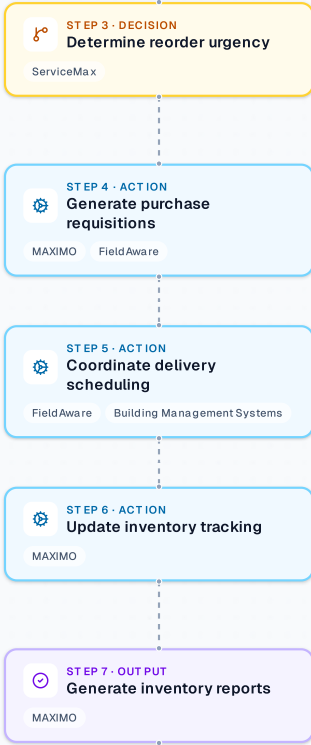
WORKFLOW TRIGGER

Parts inventory levels drop below predefined thresholds or maintenance system identifies upcoming part needs

Visual Flow

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





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Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Monitor inventory thresholds

MAXIMO continuously monitors parts inventory levels and triggers alerts when stock falls below minimum thresholds. The system also receives maintenance forecasts that indicate upcoming parts requirements.

2

 ACTION

Analyze demand patterns

ServiceMax analyzes historical maintenance data and current service schedules to predict parts demand over the next 30-90 days. The system cross-references elevator models, maintenance frequencies, and failure patterns.

ServiceMax

MAXIMO

3

 DECISION

Determine reorder urgency

The system evaluates whether parts are needed for emergency repairs (immediate), scheduled maintenance (within 7 days), or routine restocking. Critical safety components receive highest priority classification.

ServiceMax

4

 ACTION

Generate purchase requisitions

MAXIMO automatically creates purchase orders for approved suppliers based on negotiated contracts and lead times. The system includes delivery location routing based on technician schedules from FieldAware.

MAXIMO

FieldAware

5

 ACTION

Coordinate delivery scheduling

AI Business OS

FieldAware synchronizes parts delivery with technician routes and maintenance appointments to ensure components arrive at job sites when needed. The system updates Building Management Systems with expected maintenance windows.

FieldAware

Building Management Systems

6

 ACTION

Update inventory tracking

MAXIMO records all parts movements, deliveries, and consumption in real-time. The system generates compliance documentation and updates predictive models with actual usage data.

MAXIMO

7

 OUTPUT

Generate inventory reports

The system produces automated inventory status reports, reorder notifications, and cost analysis summaries for management review. Reports include stock levels, turnover rates, and supplier performance metrics.

MAXIMO



Outputs

AI Business OS

- Automated purchase orders sent to suppliers
- Optimized parts delivery schedules synchronized with maintenance appointments
- Real-time inventory status reports with predictive demand forecasting



Key Metrics

- Parts stockout incidents
- Inventory turnover rate
- Emergency purchase order frequency



Tools & Integrations

- MAXIMO
- ServiceMax
- FieldAware
- Building Management Systems

AI Business OS

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

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