# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 50

Average Utilization: 73.8% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

### **Warehouse Performance**

Warehouse Location	Capacity Used	Inbound/ Day	Outbound/ Day	Picking Accuracy	Automation Level	Status
Distribution Chicago, IL Center A	63.5%	1,503	2,481	95.0%	68.8%	Improvemen t Needed
Distribution Dallas, TX Center B	67.1%	2,731	1,665	95.3%	76.3%	Improvemen t Needed
Distribution Atlanta, GA Center C	58.3%	1,698	3,336	95.5%	71.9%	Improvemen t Needed
Distribution Los Center D Angeles, CA	46.3% \	1,957	3,681	95.3%	69.8%	Improvemen t Needed
Distribution Newark, NJ Center E	87.2%	1,061	3,982	99.0%	82.2%	Optimized

# Optimiz ation O pportun ities

Deploy 5 additional AGVs in Warehouse 3 to increase throughput by 20%

- Imple ment voicepicking system to improve accuracy to 99.8%
- Upgra de WMS integration for real-time inventory visibility
- Add au tomated sortation system for small package handling
- Imple ment predictive analytics for demand-based staffing
- Consid er AS/RS system for highvelocity SKUs