# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 42

Average Utilization: 76.5% 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 Status Level	
Distribution Chicago, IL Center A	102.2%	1,576	3,542	98.7%	72.4%	Improvemen t Needed
Distribution Dallas, TX Center B	53.0%	1,968	2,453	95.7%	72.4%	Improvemen t Needed
Distribution Atlanta, GA Center C	38.8%	2,285	2,106	98.5%	79.9%	Improvemen t Needed
Distribution Los	89.7%	2,739	1,831	95.5%	84.6%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	<sup>A</sup> 52.9%	2,306	3,183	98.1%	73.1%	Improvemen t Needed

# 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