# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 61

Average Utilization: 74.9% 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	n Status
Distribution Chicago, IL Center A	87.4%	1,389	2,009	99.5%	70.1%	Improvemen t Needed
Distribution Dallas, TX Center B	39.5%	1,977	1,559	99.0%	61.7%	Improvemen t Needed
Distribution Atlanta, GA Center C	101.4%	1,739	2,829	98.0%	74.5%	Improvemen t Needed
Distribution Los	38.7%	2,915	1,539	98.4%	89.8%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	<sup>4</sup> 89.6%	1,086	2,715	95.1%	78.4%	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