# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 36

Average Utilization: 77.0% 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	51.6%	1,639	2,514	96.1%	71.6%	Improvemen t Needed
Distribution Dallas, TX Center B	93.4%	2,839	3,072	97.0%	77.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	62.3%	1,955	3,642	95.5%	67.6%	Improvemen t Needed
Distribution Los	138.1%	2,293	3,669	96.0%	93.1%	Optimized
Genter D Angeles, CA Distribution Newark, NJ Center E	<sup>4</sup> 67.9%	2,968	2,904	97.4%	74.7%	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