# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 25

Average Utilization: 75.0% 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	Status
Distribution Chicago, IL Center A	60.1%	2,391	1,680	97.5%	78.7%	Improvemen t Needed
Distribution Dallas, TX Center B	80.9%	2,233	3,952	98.3%	78.3%	Improvemen t Needed
Distribution Atlanta, GA Center C	81.8%	2,904	3,088	97.2%	61.6%	Improvemen t Needed
Distribution Los Center D Angeles, CA	51.5% \	1,595	2,190	96.3%	75.0%	Improvemen t Needed
Distribution Newark, NJ Center E	61.8%	1,557	2,436	96.2%	81.4%	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