# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 63

Average Utilization: 72.2% 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	94.1%	2,773	3,612	95.6%	75.9%	Improvemen t Needed
Distribution Dallas, TX	61.3%	1,731	3,052	96.5%	84.4%	Optimized
Center B Distribution Atlanta, GA Center C	34.3%	1,623	2,651	99.3%	71.0%	Improvemen t Needed
Distribution Los Center D Angeles, CA	64.0%	2,319	2,798	98.4%	60.9%	Improvemen t Needed
Distribution Newark, NJ Center E	40.7%	2,206	1,744	95.9%	68.7%	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