Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 67

Average Utilization: 75.7% 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	136.6%	2,452	1,587	98.2%	63.9%	Improvemen t Needed
Distribution Dallas, TX	61.7%	2,083	2,133	99.3%	88.5%	Optimized
Center B Distribution Atlanta, GA Center C	35.5%	1,975	3,602	97.1%	70.4%	Improvemen t Needed
Distribution Los Center D Angeles, CA Distribution Newark, NJ Center E	43.9%	2,470	2,160	97.5%	84.2%	Optimized
	⁴ 52.4%	2,692	2,248	97.2%	71.4%	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