Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 35

Average Utilization: 75.0% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

Warehouse Performance

Warehouse Locat	ion Capacity Used	Inbound/ Day	Outbound/ Day	Picking Accuracy	Automation Status Level	
Distribution Chica	go, IL 62.8%	2,346	2,447	95.8%	91.0%	Optimized
Center A Distribution Dallas Center B	s, TX 84.8%	2,317	3,925	99.2%	64.8%	Improvemen t Needed
Distribution Atlant Center C	a, GA 57.8%	2,192	2,584	96.7%	74.3%	Improvemen t Needed
Distribution Los Center D Angel	56.7% es, CA	1,900	2,200	97.3%	65.9%	Improvemen t Needed
Distribution Newa Center E	rk, NJ 58.2%	2,351	1,621	97.2%	78.8%	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