Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 33

Average Utilization: 74.6% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

Warehouse Performance

Warehouse Locati	ion Capacity Used	Inbound/ Day	Outbound/ Day	Picking Accuracy	Automation Status Level	
Distribution Chicag Center A	go, IL 48.0%	2,808	3,148	98.5%	65.1%	Improvemen t Needed
Distribution Dallas Center B	, TX 65.4%	1,176	2,123	98.6%	77.4%	Improvemen t Needed
Distribution Atlanta	a, GA 56.0%	2,194	3,068	98.9%	84.4%	Optimized
Center C Distribution Los Center D Angele	110.7% es, CA	1,661	3,396	97.8%	67.7%	Improvemen t Needed
Distribution Newar Center E	k, NJ 56.7%	1,560	3,228	95.5%	78.3%	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