Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 54

Average Utilization: 69.6% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

Warehouse Performance

Warehouse Locati	on Capacity Used	Inbound/ Day	Outbound/ Day	Picking Accuracy	Automation Status Level	
Distribution Chicag	o, IL 78.8%	1,376	2,872	95.3%	85.9%	Optimized
Center A Distribution Dallas, Center B	TX 52.8%	2,939	3,209	97.8%	66.6%	Improvemen t Needed
Distribution Atlanta Center C	, GA 41.5%	1,067	1,882	95.8%	62.8%	Improvemen t Needed
Distribution Los Center D Angele	59.1% s, CA	2,377	3,819	95.8%	71.7%	Improvemen t Needed
Distribution Newarl Center E	k, NJ 42.7%	1,339	3,995	99.2%	61.0%	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