Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 33

Average Utilization: 77.6% 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 Status Level	
Distribution Chicago, IL Center A	74.6%	1,429	1,893	98.9%	74.2%	Improvemen t Needed
Distribution Dallas, TX Center B	53.3%	1,325	3,198	95.8%	75.8%	Improvemen t Needed
Distribution Atlanta, GA	110.5%	2,896	2,767	97.5%	88.7%	Optimized
Center C Distribution Los Center D Angeles, CA	83.1% \	2,533	3,125	96.9%	74.1%	Improvemen t Needed
Distribution Newark, NJ Center E	63.8%	2,810	2,688	98.7%	74.9%	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