Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 44

Average Utilization: 69.4% 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	nStatus
Distribution Chicago, IL Center A	58.6%	2,572	3,356	98.1%	65.9%	Improvemen t Needed
Distribution Dallas, TX Center B	47.5%	2,461	3,419	96.9%	75.0%	Improvemen t Needed
Distribution Atlanta, GA Center C	52.7%	2,813	2,488	98.5%	64.0%	Improvemen t Needed
Distribution Los	89.9%	1,274	2,659	98.2%	80.4%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	^A 56.4%	2,281	2,557	95.8%	61.5%	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