Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 53

Average Utilization: 70.9% 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	n Status
Distribution Chicago, IL Center A	38.7%	1,197	3,177	99.1%	64.4%	Improvemen t Needed
Distribution Dallas, TX Center B	40.3%	1,966	2,967	97.2%	64.2%	Improvemen t Needed
Distribution Atlanta, GA Center C	34.0%	2,254	3,560	98.2%	68.3%	Improvemen t Needed
Distribution Los	49.1%	1,286	2,318	95.9%	82.5%	Optimized
Genter D Angeles, CA Distribution Newark, NJ Center E	^A 61.7%	1,607	2,798	97.2%	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