Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 58

Average Utilization: 72.2% 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	80.1%	1,238	2,029	98.6%	63.6%	Improvemen t Needed
Distribution Dallas, TX Center B	66.9%	2,900	3,294	96.2%	76.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	38.4%	1,364	3,135	97.8%	70.5%	Improvemen t Needed
Distribution Los	60.3%	1,387	2,814	96.7%	84.6%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	^A 72.5%	2,031	3,634	95.3%	65.4%	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