Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 30

Average Utilization: 74.6% 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 Level	n Status
Distribution Chicago, IL Center A	73.4%	1,367	3,785	98.4%	79.2%	Improvemen t Needed
Distribution Dallas, TX Center B	42.9%	2,804	3,234	95.5%	74.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	80.6%	2,756	3,373	96.6%	64.5%	Improvemen t Needed
Distribution Los	59.9%	2,592	2,375	97.1%	91.1%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	^A 40.3%	2,953	3,256	96.5%	63.5%	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