Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 60

Average Utilization: 72.3% 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	61.7%	1,637	2,463	96.3%	69.0%	Improvemen t Needed
Distribution Dallas, TX Center B	73.3%	2,330	2,507	95.4%	61.5%	Improvemen t Needed
Distribution Atlanta, GA Center C	75.6%	2,255	2,848	99.2%	79.8%	Improvemen t Needed
Distribution Los	78.4%	1,818	2,690	96.1%	82.9%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	^A 60.9%	2,748	1,565	98.3%	68.3%	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