Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 32

Average Utilization: 71.5% 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	40.2%	2,636	2,326	97.5%	67.3%	Improvemen t Needed
Distribution Dallas, TX Center B	34.0%	2,043	3,680	96.4%	65.1%	Improvemen t Needed
Distribution Atlanta, GA Center C	78.8%	1,293	3,451	96.8%	61.8%	Improvemen t Needed
Distribution Los Center D Angeles, CA	91.7% \	1,380	2,928	98.2%	73.4%	Improvemen t Needed
Distribution Newark, NJ Center E	91.9%	2,166	3,521	98.8%	90.1%	Optimized

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