Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 57

Average Utilization: 70.6% 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	Status
Distribution Chicago, IL Center A	61.8%	1,021	3,766	96.8%	64.6%	Improvemen t Needed
Distribution Dallas, TX Center B	51.9%	1,049	2,983	96.0%	65.2%	Improvemen t Needed
Distribution Atlanta, GA Center C	104.8%	1,146	2,688	97.4%	65.5%	Improvemen t Needed
Distribution Los Center D Angeles, CA	67.5% \	1,380	3,141	95.8%	67.6%	Improvemen t Needed
Distribution Newark, NJ Center E	70.0%	1,469	1,791	99.4%	90.2%	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