Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 40

Average Utilization: 74.2% 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	Status
Distribution Chicago, IL Center A	95.6%	1,222	3,257	97.8%	76.4%	Improvemen t Needed
Distribution Dallas, TX Center B	101.2%	2,567	3,006	97.4%	71.5%	Improvemen t Needed
Distribution Atlanta, GA Center C	79.2%	2,879	1,557	95.4%	61.5%	Improvemen t Needed
Distribution Los Center D Angeles, CA	80.5% A	1,355	3,418	95.5%	76.9%	Improvemen t Needed
Distribution Newark, NJ Center E	43.6%	2,089	2,226	96.8%	85.0%	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