Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 35

Average Utilization: 72.5% 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 Status Level	
Distribution Chicago, IL Center A	44.8%	1,292	2,640	95.1%	64.3%	Improvemen t Needed
Distribution Dallas, TX Center B	50.0%	1,227	1,710	97.7%	65.2%	Improvemen t Needed
Distribution Atlanta, GA Center C	103.0%	1,497	2,323	95.9%	75.8%	Improvemen t Needed
Distribution Los	73.1%	1,419	1,784	96.5%	80.4%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	⁴ 70.0%	2,485	3,793	95.9%	76.8%	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