Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 40

Average Utilization: 72.0% 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	73.7%	2,909	3,450	97.9%	63.3%	Improvemen t Needed
Distribution Dallas, TX Center B	55.5%	2,840	2,982	98.2%	79.6%	Improvemen t Needed
Distribution Atlanta, GA Center C	48.2%	2,120	3,818	97.5%	65.4%	Improvemen t Needed
Distribution Los Center D Angeles, CA	45.9% \	2,500	2,019	98.0%	71.5%	Improvemen t Needed
Distribution Newark, NJ Center E	114.5%	1,012	1,672	97.8%	80.4%	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