Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 37

Average Utilization: 79.2% 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	n Status
Distribution Chicago, IL Center A	83.4%	2,052	3,336	99.5%	76.1%	Improvemen t Needed
Distribution Dallas, TX Center B	56.2%	1,439	3,710	96.2%	75.1%	Improvemen t Needed
Distribution Atlanta, GA Center C	61.3%	1,270	1,526	96.1%	73.6%	Improvemen t Needed
Distribution Los Center D Angeles, CA	83.5% \	2,864	1,955	95.8%	79.1%	Improvemen t Needed
Distribution Newark, NJ Center E	49.2%	2,391	1,540	96.8%	92.1%	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