Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 43

Average Utilization: 73.1% 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	123.6%	1,969	3,011	99.4%	94.7%	Optimized
	Center A Distribution Dallas, TX Center B	64.3%	1,939	2,832	98.8%	71.3%	Improvemen t Needed
	Distribution Atlanta, GA Center C	62.7%	1,454	2,947	99.1%	66.2%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	77.5% A	2,510	1,631	97.1%	65.6%	Improvemen t Needed
	Distribution Newark, NJ Center E	79.3%	2,071	3,284	96.1%	67.6%	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