Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 49

Average Utilization: 74.9% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

Warehouse Performance

Warehouse Locatio		Capacity Used	Inbound/ Day		Picking Accuracy	Automation Status Level	
	Distribution Chicago, IL Center A	117.0%	2,438	2,240	95.2%	73.1%	Improvemen t Needed
	Distribution Dallas, TX Center B	59.1%	2,882	3,626	95.4%	70.6%	Improvemen t Needed
	Distribution Atlanta, GA	52.9%	2,418	2,642	96.7%	90.9%	Optimized
	Center C Distribution Los Center D Angeles, CA	64.2% \	1,741	2,201	95.9%	74.4%	Improvemen t Needed
	Distribution Newark, NJ Center E	63.9%	2,304	2,351	98.7%	65.3%	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