Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 58

Average Utilization: 72.6% 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	Status
Distribution Chicago, IL Center A	35.1%	1,514	1,810	98.5%	79.5%	Improvemen t Needed
Distribution Dallas, TX	92.4%	1,968	2,677	97.7%	93.1%	Optimized
Center B Distribution Atlanta, GA Center C	43.1%	2,733	3,362	95.7%	64.9%	Improvemen t Needed
Distribution Los Center D Angeles, CA	105.8%	1,296	3,103	99.5%	63.4%	Improvemen t Needed
Distribution Newark, NJ Center E	79.8%	2,563	3,432	98.9%	62.0%	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