Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 36

Average Utilization: 77.7% 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	68.0%	2,972	2,555	96.0%	67.9%	Improvemen t Needed
Distribution Dallas, TX Center B	77.6%	2,203	2,944	95.6%	73.8%	Improvemen t Needed
Distribution Atlanta, GA Center C	61.9%	2,692	1,775	99.4%	69.7%	Improvemen t Needed
Distribution Los	113.8%	1,638	3,210	95.5%	85.7%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	⁴ 47.6%	1,242	3,505	96.9%	91.1%	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