

# Dynamic Route Optimization Dashboard

Real-time route optimization and fleet management

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Use Case: route-optimization

## Fleet Overview

Total Vehicles: 50  
Active Routes: 6  
Vehicles In Transit: 22  
Available Vehicles: 10  
Pending Deliveries: 23  
On-Time Delivery Rate: 94.2%  
Average Fuel Efficiency: 7.8 mpg

## Active Routes

Route ID	Vehicle	Driver	Progress	Stops Remaining	ETA	Status	Delay
ROUTE-000 FD-1535		Driver 5	0.0%	2	12:46:16 PM	ACTIVE	On Time
ROUTE-000 JN-9507		Driver 28	91.4%		11:46:16 AM	ACTIVE	On Time
ROUTE-000 LO-4006		Driver 7	92.1%	1	10:46:16 AM	ACTIVE	On Time
ROUTE-000 FG-9499		Driver 4	106.7%	3	2:16:16 PM	ACTIVE	On Time
ROUTE-000 QF-6992		Driver 14	0.0%	1	10:16:16 AM	ACTIVE	On Time
ROUTE-000 BW-8903		Driver 19	0.0%	8	10:46:16 AM	ACTIVE	On Time

## Optimization Recommendations

- Reroute VEH-0012 via Highway 101 to avoid traffic congestion
- Consolidate

deliveries in  
Zone 5 to  
reduce total  
distance by  
15%

- Schedule maintenance for 3 vehicles approaching service intervals

- Implement dynamic routing for last-mile deliveries in urban areas

- Consider adding 2 vehicles to meet peak demand projections

- Optimize loading sequences to reduce warehouse dwell time