

Real-time route optimization and dispatch

Automatically optimizes delivery routes and dispatches vehicles when new orders arrive, reducing fuel costs and improving delivery times through real-time traffic analysis and vehicle availability assessment.

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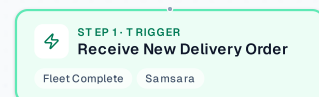


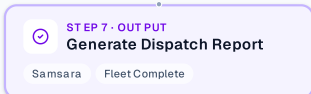
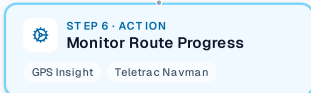
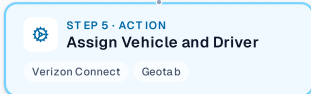
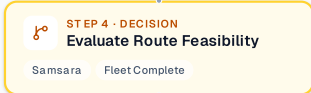
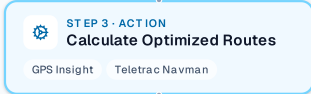
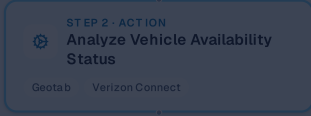
WORKFLOW TRIGGER

New delivery order is received in the fleet management system

Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Receive New Delivery Order

System detects a new delivery order with pickup and drop-off locations, time constraints, and cargo requirements. Order details are parsed and validated for processing.

2

 ACTION

Analyze Vehicle Availability Status

Query current location, capacity, and operational status of all fleet vehicles. System checks driver hours, vehicle maintenance status, and current load capacity.

Geotab

Verizon Connect

3

 ACTION

Calculate Optimized Routes

Generate multiple route options considering real-time traffic, road conditions, fuel efficiency, and delivery time windows. Algorithm factors in vehicle-specific constraints and driver preferences.

GPS Insight

Teletrac Navman

4

 DECISION

Evaluate Route Feasibility

Determine if calculated routes meet delivery requirements within acceptable cost and time parameters. If no suitable routes exist, escalate to manual dispatcher review.

Samsara

Fleet Complete

5

 ACTION

Assign Vehicle and Driver

Automatically assign the most suitable vehicle and available driver based on route optimization results. Update driver mobile app with route details and delivery instructions.

Verizon Connect

Geotab

6

 ACTION

Monitor Route Progress

Track vehicle location and delivery progress in real-time, automatically adjusting remaining stops if delays occur. Send proactive notifications to customers about delivery status.

GPS Insight

Teletrac Navman

7

 OUTPUT

Generate Dispatch Report

Compile delivery completion status, actual vs. planned routes, fuel consumption, and performance metrics. Archive data for future route optimization improvements.

Samsara

Fleet Complete



Outputs

- Optimized delivery routes with assigned vehicles

- Real-time dispatch notifications to drivers

AI Business OS



Key Metrics

- Average delivery time reduction
- Fuel cost savings per route
- Driver utilization rate



Tools & Integrations

- Fleet Complete
- Samsara
- Geotab
- Verizon Connect
- GPS Insight
- Teletrac Navman

AI Business OS

Actionable AI implementation strategies for business leaders ready to transform their operations.

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