

Fleet utilization analytics and forecasting

Automatically analyzes fleet vehicle usage patterns and generates forecasts to optimize fleet size, reduce idle time, and improve asset utilization across the entire vehicle network.

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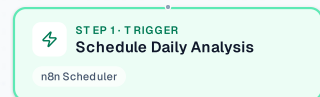


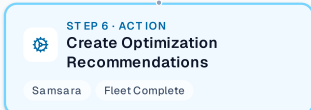
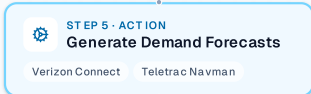
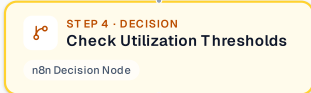
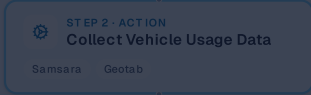
WORKFLOW TRIGGER

Daily automated schedule at 6:00 AM triggers utilization analysis

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

Schedule Daily Analysis

Workflow automatically triggers every morning at 6:00 AM to begin fleet utilization analysis. This ensures consistent daily monitoring of fleet performance metrics.

2

 ACTION

Collect Vehicle Usage Data


Pulls real-time vehicle tracking data including mileage, engine hours, idle time, and route efficiency from connected fleet management systems.

Aggregates data from the previous 24 hours and historical trends.

Samsara

Geotab

3

 ACTION

Calculate Utilization Metrics

Processes collected data to compute key utilization ratios, idle percentages, revenue per vehicle, and capacity utilization across different vehicle types. Identifies underperforming and high-performing assets.

Fleet Complete

GPS Insight

4

 DECISION

Check Utilization Thresholds

Evaluates if any vehicles fall below 70% utilization threshold or exceed 95% capacity utilization. Routes workflow to appropriate analysis path based on performance levels.

n8n Decision Node

5

 ACTION

Generate Demand Forecasts

AI Business OS

Uses historical utilization patterns and seasonal trends to predict future fleet capacity needs for the next 30, 60, and 90 days. Applies machine learning algorithms to improve forecast accuracy.

Verizon Connect

Teletrac Navman

6

 ACTION

Create Optimization Recommendations

Generates actionable recommendations for fleet rightsizing, vehicle reallocation, and route optimization based on utilization analysis and demand forecasts. Includes cost-benefit analysis for each suggestion.

Samsara

Fleet Complete

7

 OUTPUT

Deliver Analytics Dashboard

Compiles comprehensive utilization report with interactive dashboards, forecasting charts, and optimization recommendations. Automatically distributes to fleet managers and stakeholders via email and fleet management platforms.

Geotab

Verizon Connect



Outputs

AI Business OS

- Daily utilization performance report
- 30/60/90-day demand forecasts
- Fleet optimization recommendations with ROI projections



Key Metrics

- Fleet utilization percentage
- Idle time reduction
- Cost savings from optimization recommendations



Tools & Integrations

- n8n Scheduler
- Samsara
- Geotab
- Fleet Complete
- GPS Insight
- n8n Decision Node
- Verizon Connect
- Teletrac Navman

AI Business OS

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

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