

Fleet tracking and monitoring

This workflow automatically monitors waste collection fleet vehicles in real-time, tracking location, performance metrics, and maintenance needs to optimize routes and prevent breakdowns. It ensures efficient operations while maintaining regulatory compliance and minimizing downtime.

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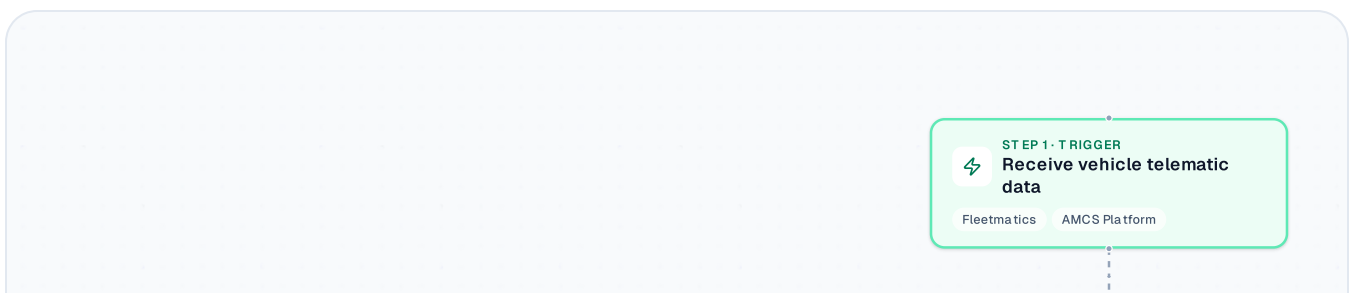


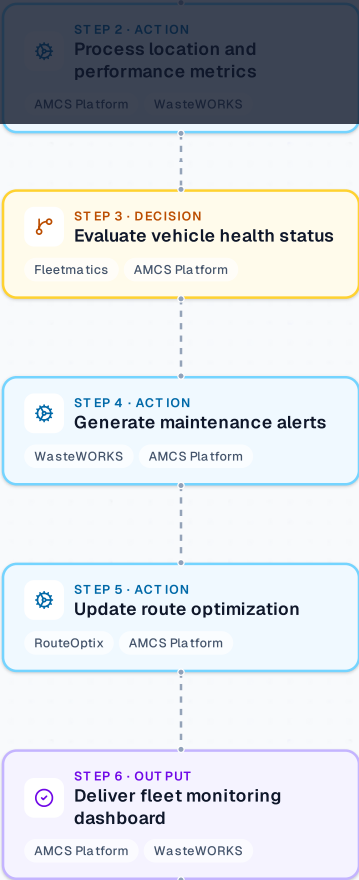
WORKFLOW TRIGGER

Fleet vehicle begins daily collection route or reports telematic data

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 vehicle telematic data

Fleet tracking system captures real-time GPS location, fuel consumption, engine diagnostics, and operational status from waste collection vehicles. Data is automatically transmitted every 30 seconds during active routes.

2

 ACTION

Process location and performance metrics

System analyzes vehicle speed, idle time, route adherence, and fuel efficiency against planned collection schedules. Performance data is normalized and stored for trend analysis.

AMCS Platform

WasteWORKS

3

 DECISION

Evaluate vehicle health status

AI system checks engine diagnostics, maintenance schedules, and operational parameters to determine if vehicle requires immediate attention. Decision branches based on critical alerts or performance thresholds.

Fleetmatics

AMCS Platform

4

 ACTION

Generate maintenance alerts

For vehicles showing potential issues, system creates maintenance work orders and notifies fleet managers. Predictive maintenance recommendations are scheduled based on usage patterns.

WasteWORKS

AMCS Platform

5

 ACTION

Update route optimization

AI Business OS

Route planning system adjusts current and future collection schedules based on vehicle performance, traffic conditions, and completion times. Alternative routes are calculated for underperforming vehicles.

RouteOptix

AMCS Platform

6

🕒 OUTPUT

Deliver fleet monitoring dashboard

Comprehensive real-time dashboard displays vehicle locations, route progress, fuel consumption, and maintenance alerts for fleet managers. Automated reports are generated for regulatory compliance and performance analysis.

AMCS Platform

WasteWORKS



Outputs

- Real-time fleet location dashboard
- Predictive maintenance alerts
- Route optimization recommendations
- Fuel efficiency reports
- Regulatory compliance documentation



Key Metrics

- Fleet utilization rate
- Average fuel consumption per route
- Maintenance cost reduction
- Route completion time
- Vehicle downtime percentage



Tools & Integrations

- Fleetmatics
- AMCS Platform
- WasteWORKS
- RouteOptix

AI Business OS

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