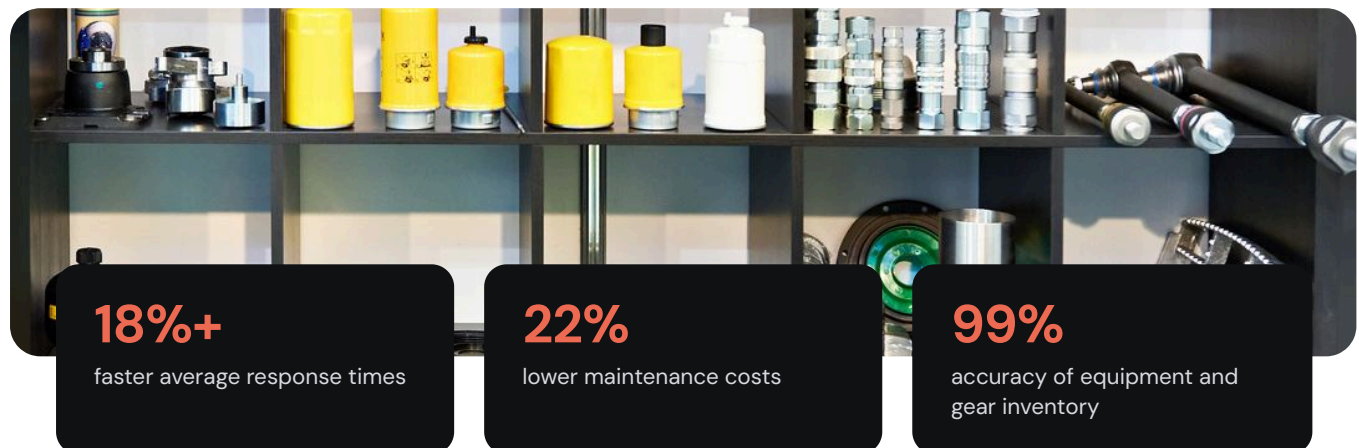


Government & Public Sector

Global

A district fire department cut fire truck maintenance costs by 22%

A district fire department tracked its fire trucks with GPS, its gear with RFID and its maintenance by usage, cutting response times by over 18%.



AT A GLANCE

INDUSTRY

Public sector · fire service

SIZE

District fire department

ASSETS

Fire trucks, firefighting equipment and gear

PREVIOUSLY

Manual checks and records

FEATURES USED

Connected

Maintenance

Insight

01 The client

The client is a district fire department responsible for a fleet of fire trucks and the firefighting equipment and gear they carry.

Every truck must be available, fully equipped and compliant with safety and operational standards whenever a call comes in. The department had managed this with manual checks and paper records.

02 The challenge

The department could not see where its trucks were, maintenance happened when vehicles broke down, and manual equipment checks sometimes left trucks without the gear they needed.

- No real-time location of trucks, which slowed deployment.
- Unscheduled maintenance left vehicles unavailable at critical times.
- Manual checks meant trucks were not always fully equipped.
- Some vehicles were overused while others sat idle.
- Manual documentation made compliance hard to prove.

03 What they set up in Asset Infinity

The department put its fleet, equipment and compliance records into Asset Infinity, with GPS trackers on trucks and RFID tags on gear.

Connected

GPS on every truck

GPS trackers show each truck’s location on a live dashboard and report odometer and engine hours to the system.

Maintenance

Maintenance by usage

Preventive plans run on odometer, engine hours or date, so service happens before a truck is needed and not after it breaks.

Connected

RFID on equipment and gear

Firefighting equipment carries RFID tags, and handheld readers check what is on each truck against what should be there.

Insight

Fleet use and compliance records

Reports show how each vehicle is used, and maintenance records, equipment checks and certifications sit in one place for audits.

04 How it works day to day

Here is how the fleet and its equipment are now kept ready.

DISPATCHER

Sees every truck

The live dashboard shows where each fire truck is, so the nearest available vehicle can be sent.

SYSTEM

Collects usage

GPS trackers report odometer and engine hours for each truck, which feed its maintenance plans.

SYSTEM

Raises service when due

When a truck reaches its mileage, engine hours or date, a preventive work order is created and the maintenance crew is notified.

MAINTENANCE CREW

Services the truck

The crew completes the checklist on the mobile app, records the work and closes the order.

LOGISTICS TEAM

Checks the gear

A handheld RFID reader scans the tagged equipment on a truck and shows anything missing, so it can be restocked.

FLEET MANAGER

Balances the fleet

Usage reports show which trucks are overused or idle, and records are ready for compliance audits.

05 Before and after

	BEFORE	WITH ASSET INFINITY
Truck location	Not known in real time	Live GPS dashboard
Maintenance	Unscheduled, trucks unavailable	Planned by usage and date
Equipment on trucks	Manual checks, gaps	RFID checks, 99% inventory accuracy
Fleet use	Some trucks overloaded, others idle	Usage reports balance the fleet
Compliance	Manual documentation	Digital records ready for audits

06 How it rolled out

1

Needs reviewed. The team reviewed fleet and equipment processes and set goals for response, maintenance, readiness and compliance.

2

Records and devices set up. Vehicle, equipment and inventory records were migrated, GPS units installed and equipment tagged with RFID.

3

Pilot, then the whole fleet. Fleet managers, maintenance crews and logistics teams were trained, a pilot ran on selected trucks, then the fleet followed.

07 The results

30% longer service life and performance from more balanced use of vehicles

- Fewer unexpected vehicle breakdowns through usage-based maintenance.
- Digital records simplified compliance and made audits easier.
- Trucks are equipped for every type of emergency.

08 Why it worked

Readiness is visible

The department sees where trucks are, when they are due for service and whether they carry their gear, all in one place.

Maintenance follows usage

Plans driven by mileage and engine hours service the busiest trucks first, before they fail.

Proven in a pilot

Starting with a few trucks let the department refine the setup with real feedback before rolling it out.

09 Looking ahead

With trucks on GPS, gear on RFID and maintenance planned by usage, the department responds faster, spends 22% less on maintenance and knows each truck carries what it should.

Digital records of maintenance, equipment checks and certifications mean the department can prove compliance whenever it is asked, without searching through paper.

See it on your own assets

A 30-minute demo, set up for a fire service or emergency fleet.

The client's name is withheld for confidentiality. Results are as reported by the client.

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