Fleet & Transport | Global

An EV fleet operator raised charging station utilization by 70%

An electric vehicle fleet operator brought its charging stations, replacement batteries and leased vehicles into one system, with labeled batteries, charger monitoring and fleet dashboards.



70% higher charging station utilization

30% fewer misplaced or lost replacement batteries

25% less maintenance-related downtime

AT A GLANCE

INDUSTRY
Electric vehicle fleet management

SIZE
Medium

ASSETS
Charging stations, batteries, leased EVs

PREVIOUSLY
Manual tracking and scheduling

FEATURES USED
Assets | Energy | Maintenance | Insight

01 The client

The client is an early mover in electric vehicle fleet management. It runs several charging stations, keeps a stock of replacement batteries and leases EVs to customers.

Its service depends on chargers being available, batteries being where they should be and vehicles staying on the road.

02 The challenge

Batteries, maintenance and the fleet were tracked by hand, which was slow and inefficient, and the operator had little insight into charging station use or vehicle performance.

- Manual battery tracking let replacement batteries go missing.
- Maintenance was scheduled by hand.
- No real-time view of charging station usage or availability.
- Little insight into vehicle performance and usage.

03 What they set up in Asset Infinity

The operator configured Asset Infinity around its own fleet processes, covering chargers, batteries and leased vehicles.

Assets

Every battery labeled

Each replacement battery has a QR code or RFID tag and its own record, so its location, assignment and maintenance history are always known.

Energy

Charging station monitoring

Readings from each charging station are recorded against it, showing usage and availability, and a reading outside its limit raises a work order.

Maintenance

Scheduled maintenance

Batteries, chargers and vehicles have preventive plans by date or meter, replacing manual scheduling.

Insight

Fleet dashboards

Dashboards show vehicle usage, maintenance downtime and charging station use, so the team can spot patterns and act.

04 How it works day to day

Here is how chargers, batteries and vehicles are managed now.

SYSTEM

Records charger readings

Readings from each charging station are recorded, showing which chargers are in use and which are free.

SYSTEM

Raises charger work

When a charger reading crosses its limit, a work order goes to the maintenance team before customers find the fault.

STATION STAFF

Issues a battery

Scanning a battery's QR code or RFID tag checks it out to a vehicle, so its location and assignment are recorded.

STATION STAFF

Returns a battery

A returned battery is scanned back in, so missing batteries stand out at once.

SYSTEM

Schedules maintenance

Preventive plans raise work orders for batteries, chargers and vehicles when they fall due.

TECHNICIAN

Services and closes

The technician completes the job on the mobile app and closes the work order, adding to the asset's history.

FLEET MANAGER

Reviews the fleet

Dashboards show charger use, battery locations, vehicle usage and maintenance downtime across the operation.

05 Before and after

	BEFORE	WITH ASSET INFINITY
Battery tracking	Manual, batteries went missing	QR or RFID labels; 30% fewer lost
Charging stations	No real-time view of usage	Monitored; utilization up 70%
Maintenance scheduling	Manual	Preventive plans for every asset
Vehicle downtime	Maintenance delays	25% less maintenance-related downtime
Insight	Little view of performance	Dashboards on usage and downtime

06 How it rolled out

1

Needs assessment. The client and the Asset Infinity team reviewed fleet workflows, challenges and requirements.

2

Stations connected. Monitoring was set up on the charging stations to record usage, availability and performance.

3

Batteries labeled. Every replacement battery received a QR code or RFID tag and a record in the register.

07 The results

20% improvement in overall operational efficiency

15% reduction in operational costs

- Shorter waiting times for customers at charging stations
- Lower battery replacement costs

08 Why it worked

Every battery accounted for

A label and a check-out record for each battery made losses visible straight away.

Chargers watched continuously

Recorded readings show usage and raise work for faults, keeping more chargers available.

Fitted to fleet processes

Configuration followed the operator's own processes, so staff adopted it quickly.

09 Looking ahead

By tracking chargers, batteries and vehicles in one system, the operator keeps charging stations busy, knows where every battery is and keeps more vehicles on the road.

The usage and maintenance history now collected for each asset helps the operator plan its charging network and fleet as it grows.

See it on your own assets

A 30-minute demo, set up for an EV fleet or charging network operator.

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

Book a demo

Start a 14-day free trial