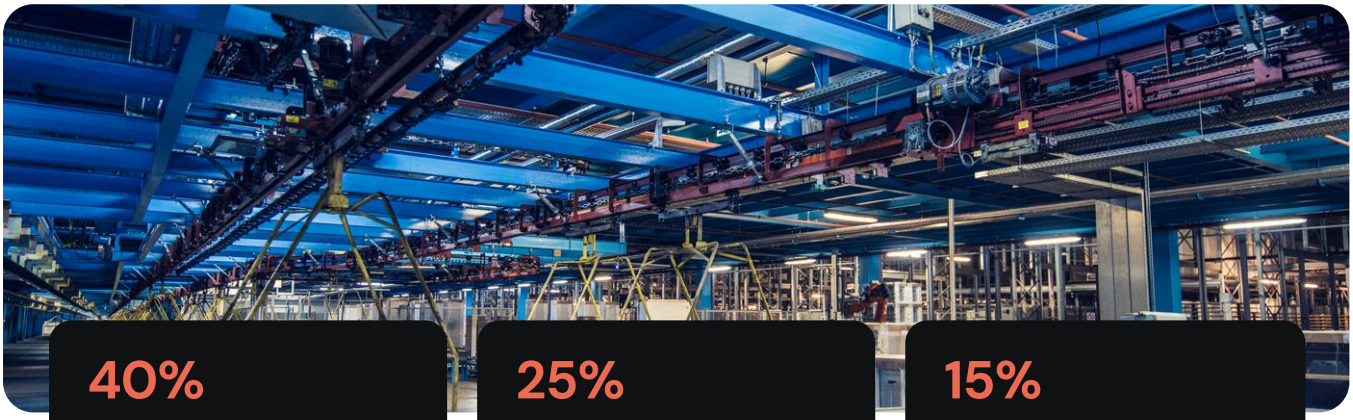
Automotive | Global

An automotive parts manufacturer cut physical audit time by 40% with RFID and barcodes

An automotive parts manufacturer replaced an outdated manual asset system with RFID and barcode tagging, preventive maintenance and lifecycle data, connected to its ERP across several plants.



40%
less time spent on physical asset audits

25%
reduction in machine downtime

15%
annual saving on repair and replacement

AT A GLANCE

INDUSTRY
Automotive parts manufacturing

SIZE
Large

LOCATIONS
Multiple production facilities

PREVIOUSLY
Outdated manual asset system

FEATURES USED
Assets | Maintenance | Insight | Platform

01 The client

The client is a large manufacturer of automotive parts with a wide range of assets spread over several production facilities.

Its outdated, manual asset system left records inaccurate and maintenance late. Equipment wore out sooner than it should, and operating costs kept rising.

02 The challenge

Manual asset records were inaccurate, maintenance was delayed and resources were poorly used. The company wanted precise tracking across sites, reliable maintenance and one source of data for decisions.

- Inaccurate asset records from a manual system.
- Delayed maintenance that shortened equipment life.
- Inefficient use of resources across facilities.
- No central data to guide repair and replacement decisions.

03 What they set up in Asset Infinity

The manufacturer tagged its assets, automated maintenance and centralized asset data in Asset Infinity, connected to its ERP through the API.

Assets

RFID and barcode tagging

Assets are tagged and categorized with RFID and barcode labels, making audits faster and records accurate. Custom fields hold part numbers, warranty and supplier details.

Maintenance

Automatic work orders

Work orders are created from preventive plans, or from conditions found during asset checks, with alerts so interventions happen on time.

Insight

Lifecycle analytics

Reports on each asset's history and costs guide decisions on repair, replacement and retirement.

Platform

Connected to the ERP

Asset data is synchronized with the company's ERP through the API, supporting inventory and financial planning.

04 How it works day to day

Here is how assets are tracked and maintained across the plants now.

ASSET COORDINATOR

Tags new assets

Each new asset gets an RFID or barcode label and a record with its part number, warranty and supplier.

AUDITOR

Runs a verification round

In the mobile app, the auditor scans assets and marks each as verified, moved, not found or damaged.

SYSTEM

Creates maintenance work

Preventive plans create work orders when service is due, and an alert reaches the maintenance team.

TECHNICIAN

Completes the job

The technician works through the checklist on the mobile app and records parts and time against the asset.

SYSTEM

Syncs with the ERP

Asset data flows to the ERP through the API, so inventory and financial plans use the same records.

PLANT MANAGER

Decides repair or replace

Lifecycle reports show each asset's history and costs, guiding repair, replacement and retirement.

05 Before and after

	BEFORE	WITH ASSET INFINITY
Asset records	Outdated and inaccurate	RFID and barcode tagged, with custom fields
Physical audits	Slow and manual	Scanned in the app, 40% less time
Maintenance	Delayed	Work orders created from preventive plans
Machine downtime	Frequent	25% lower
Repair and replacement	Rising costs	About 15% saved each year
ERP	Separate from asset data	Connected through the API

06 How it rolled out

1

Assets tagged. Assets across the production facilities were tagged with RFID or barcode labels and categorized.

2

Fields configured. Custom fields for part numbers, warranty and supplier details were added for the automotive business.

3

ERP connected. Asset Infinity was connected to the existing ERP through the API.

07 The results

- More accurate asset records across all facilities.
- Longer equipment life through timely preventive maintenance.
- Better-informed decisions on repairs, replacements and retirements.

08 Why it worked

Fields that fit the business

Part numbers, warranty and supplier details were added as custom fields, so records matched how the automotive business works.

Audits by scan

RFID and barcode labels turned physical audits into scanning rounds, which is where most of the time saving came from.

Data shared with the ERP

Connecting through the API kept asset, inventory and financial data in step without double entry.

09 Looking ahead

With tagged assets, automated maintenance and one source of asset data, the manufacturer audits faster, keeps its machines running and spends less on repairs and replacements.

The company plans to add IoT sensors next, so readings from production equipment can raise maintenance work directly.

See it on your own assets

A 30-minute demo, set up for a manufacturer with multiple plants.

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

Book a demo

Start a 14-day free trial