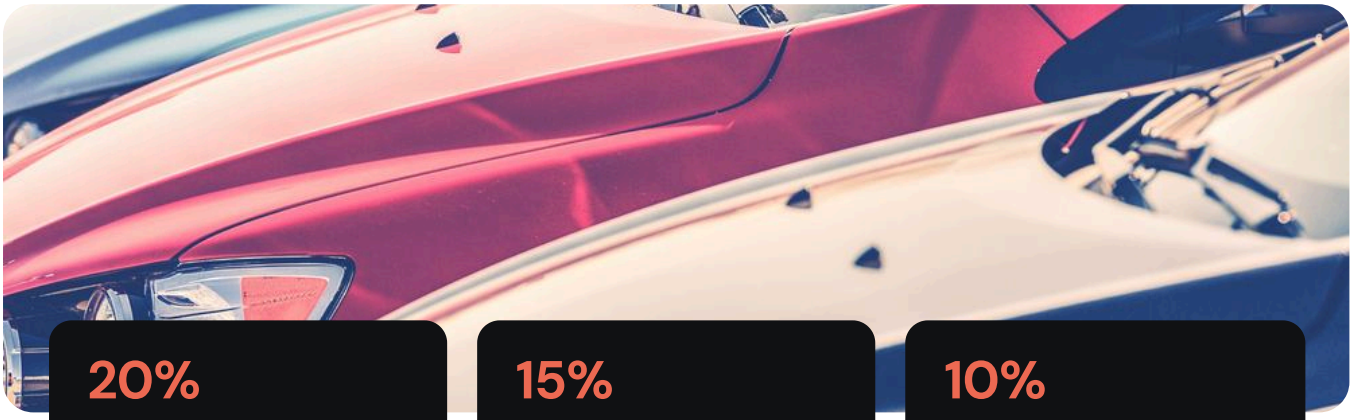
Automotive | Canada

A used car dealer improved yard inventory accuracy by 20% with fixed RFID readers

A used car seller with several yards tagged its vehicles and put fixed RFID readers at the yard gates, so every vehicle move between yards is recorded and stock counts match the lot.



20% improvement in accurate inventory counts

15% increase in operational efficiency

10% fewer potential vehicle losses or misplacements

AT A GLANCE

INDUSTRY
Used car sales

REGION
Canada

SIZE
Multiple car yards

PREVIOUSLY
Manual yard management

FEATURES USED
Connected | Assets | Insight

01 The client

The client is a large used car seller in Canada operating several car yards.

Vehicles move between yards all the time, to balance stock, prepare cars for sale and meet buyers where they are. Each car is high-value stock, and the business needs to know which yard it is in at any moment.

02 The challenge

Vehicles moving between yards were tracked by hand. Counts did not match what was on the lot, transfers happened without authorization, and errors in tracking caused delays and lost time.

- Inventory counts were inaccurate, with discrepancies between records and yards.
- Vehicles were sometimes moved between yards without authorization.
- Manual tracking caused errors, delays and wasted effort.
- Vehicles could be misplaced or lost between locations.
- Vehicle placement did not make the best use of yard space.

03 What they set up in Asset Infinity

The dealer used Asset Infinity's Connected feature with fixed RFID readers at the yards, and every vehicle recorded as an asset in the register.

Connected

Fixed RFID readers at yard gates

Readers at each yard's entry and exit points record every tagged vehicle that passes, with the time and the gate.

Assets

Every vehicle tagged

Each vehicle carries an RFID tag or QR label linked to its record, so it can be identified by a reader or a phone scan.

Assets

Check-out and check-in

Moving a vehicle out of a yard is a recorded check-out, and its arrival at the next yard is the check-in, with little manual entry.

Insight

Yard stock at a glance

Dashboards show how many vehicles are in each yard and where each one was last seen, so moves without a matching transfer stand out.

04 How it works day to day

Here is how a vehicle moves between yards now.

YARD STAFF

Tag the vehicle on arrival

A newly acquired vehicle gets an RFID tag and is added to the asset register with its details and home yard.

YARD MANAGER

Records a transfer

When a vehicle needs to go to another yard, the move is recorded as a check-out to that yard.

SYSTEM

Records the exit

The fixed reader at the gate reads the tag as the vehicle leaves, recording the time and the gate against the vehicle.

SYSTEM

Records the arrival

The reader at the receiving yard records the vehicle coming in, and the check-in completes the transfer.

YARD MANAGER

Spots moves that do not match

Reports compare gate reads with recorded transfers, so a vehicle that moved without one is found quickly.

YARD STAFF

Count without guesswork

Counts are checked against the reader records, and a handheld scan confirms any vehicle in doubt.

OPERATIONS MANAGER

Plans placement

Dashboards show stock by yard, so vehicles are placed where they make the best use of yard space.

05 Before and after

	BEFORE	WITH ASSET INFINITY
Inventory counts	Manual, with discrepancies	20% more accurate
Vehicle moves	Tracked by hand	Read automatically at yard gates
Unauthorized transfers	Hard to prevent	Visible as they happen
Vehicle losses	Cars misplaced between yards	10% fewer
Data entry	Manual check-in and check-out	Reader records and scans
Yard space	Placement by guesswork	5% better utilization

06 How it rolled out

1

Needs assessed. The dealer and the Asset Infinity team reviewed yard workflows, challenges and requirements.

2

Vehicles tagged, readers installed. Each vehicle was tagged with an RFID tag or QR code, and fixed readers were set up at the yards.

3

Check-in and check-out set up. Check-in and check-out between yards was configured to replace manual data entry.

07 The results

10% fewer errors and inefficiencies from unauthorized transfers

5% increase in overall yard utilization

- Fewer unnecessary transfers through better vehicle allocation
- Fewer discrepancies and operational disruptions

08 Why it worked

No one has to remember

The gate reader records each vehicle as it passes, so the record does not depend on someone filling in a log.

Every car has an identity

Each vehicle's tag links to its record, so its moves build a history the dealer can check at any time.

Built for several yards

All yards share one register, so a transfer is visible from the yard it left and the yard it reached.

09 Looking ahead

With fixed RFID readers recording every vehicle that passes a yard gate, the dealer knows which yard each car is in without walking the lot to count.

Accurate counts, fewer unauthorized transfers and better use of yard space all come from the same record: each vehicle's moves, captured as they happen.

See it on your own assets

A 30-minute demo, set up for a dealer group or vehicle yard 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