

VEHICLE INSPECTION

Each required check: done, or skipped.

For vehicle-inspection authorities and testing-centre operators: every required check on every equipped lane, both stages timed to the second, and every finding decided by an inspector.



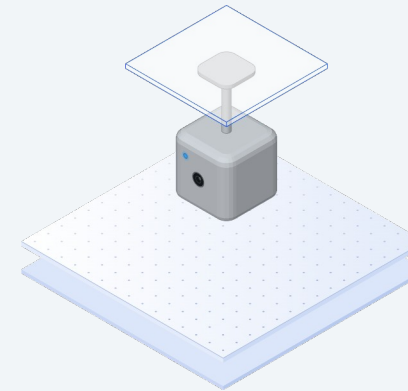
WHAT THIS IS

Pulses.ai is a UAE-born Physical Intelligence company: AI that understands your physical world.

Pulses.ai builds Physical Intelligence for enterprises and government: edge-AI Vision Devices,  designed and made in the UAE, that turn physical spaces — venues, stations, showrooms, service centers — into live, actionable insight. All processing happens on the device; only anonymous metadata leaves. See. Understand. Act.

The Operating System for the Physical World

For inspection centres: which checks get skipped?

**SEE**

Vision mounted above each lane

UNDERSTAND

Checks done or skipped, stages timed

ACT

Your inspectors decide

THE PROBLEM

Nobody can say which required checks were skipped, or how often.

An inspection centre runs many lanes at once, and each inspection has required checks across two stages.

Coverage.

An inspector can only be at a few lanes at a time; everything else is taken on trust.

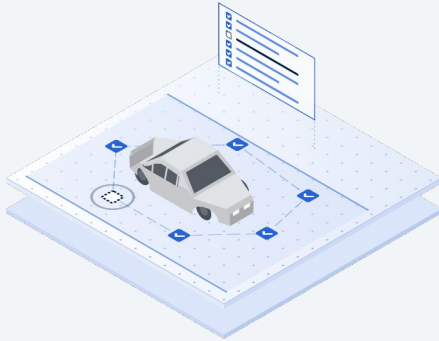
Disputed?

The proof is on record.



HOW IT WORKS

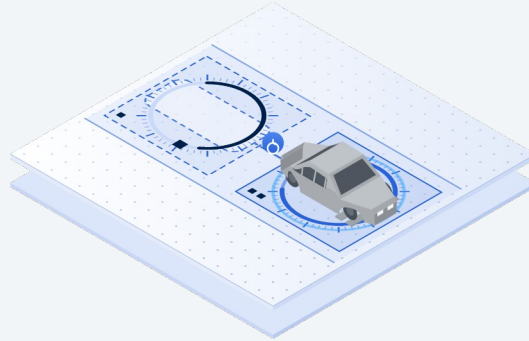
Pulses Vision Devices understand every equipped lane, every session.



01

Every required check

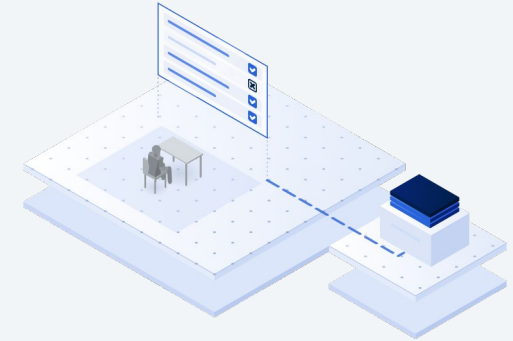
Each required check on every equipped lane, every session: done, or skipped. In each centre, which checks get skipped, and how often.



02

Both stages, timed

Both stages timed to the second, even when your inspection system records no timings.



03

Your inspectors decide

One validation queue. Your inspectors approve or reject each finding; approved findings go into your own system after the inspection. Pulses does not issue fines.

PULSES OS

Inspection Lanes

Done, or skipped.

- Every equipped lane, the session on it
- Each required check, done or skipped, by stage



Inspection Centre Console

INSPECTION CENTRE

- Inspection Lanes
- Inspection Sessions
- Validation Queue
- Checks & Stages
- Audit Log

PULSES OS

- Site Intelligence
- Devices

Inspection Centre - Dubai

Inspection Lanes

Tuesday - Opening hours 07:00-15:00 - Updated 10:12

Lanes in use

5 / 6

Lane 6 open, no session

Inspection sessions today

38

33 complete - 5 on the lanes now

Required checks skipped today

6

5 in complete sessions - 1 on Lane 3 now

Findings awaiting an inspector

2

In the validation queue

All devices online

Every equipped lane - each required check, done or skipped

Right now - by stage

Lane 1 Session 0435 Stage 2 - 03:18 in stage

Stage 1 ✓ Exterior ✓ Lights ✓ Tyres ✓ Bonnet 05:58

Stage 2 ✓ Brakes ✓ Steering ⚠ Underbody ⚠ Emissions 03:18

⚠ Tyres and wheels skipped - joins the validation queue when the session ends

Lane 2 Session 0437 Stage 1 - 02:05 in stage

Stage 1 ✓ Exterior ✓ Lights ⚠ Tyres ⚠ Bonnet 02:05

Stage 2 ⚠ Brakes ⚠ Steering ⚠ Underbody ⚠ Emissions -

Lane 3 Session 0433 Stage 2 - 06:51 in stage

Stage 1 ✓ Exterior ✓ Lights ⚠ Tyres ✓ Bonnet 06:04

Stage 2 ✓ Brakes ✓ Steering ✓ Underbody ⚠ Emissions 06:51

Lane 4 Session 0438 Stage 1 - 00:47 in stage

Stage 1 ⚠ Exterior ⚠ Lights ⚠ Tyres ⚠ Bonnet 00:47

Stage 2 ⚠ Brakes ⚠ Steering ⚠ Underbody ⚠ Emissions -

Lane 5 Session 0436 Stage 2 - 01:30 in stage

Stage 1 ✓ Exterior ✓ Lights ✓ Tyres ✓ Bonnet 06:37

Stage 2 ⚠ Brakes ⚠ Steering ⚠ Underbody ⚠ Emissions 01:30

Lane 6 Open - no session

No session on this lane

Today by lane

Lane	Complete	Skipped
Lane 1	7	2
Lane 2	6	1
Lane 3	6	1
Lane 4	6	1
Lane 5	6	0
Lane 6	2	0

Complete sessions and the required checks they skipped

✓ Done
⚠ Skipped
🔄 In progress
⌚ To do

A vehicle is a session number - processed on the device

Required checks skipped today

6

- Session 0433 Tyres and wheels Lane 3 - Stage 1 ⚠ On the lane now
- Session 0429 Steering and suspension Lane 3 - Stage 2 ⚠ To decide
- Session 0421 Under the bonnet Lane 1 - Stage 1 ⚠ To decide
- Session 0421 Tyres and wheels Lane 1 - Stage 1 ✓ Approved
- Session 0414 Exhaust emissions Lane 4 - Stage 2 ✗ Rejected
- Session 0406 Underbody Lane 2 - Stage 2 ✓ Approved

Both stages, timed

Today's 33 complete sessions

Stage 1	06:20
Median time in stage	
Stage 2	07:48
Median time in stage	
Your inspection system	None
Stage timings it recorded	

Private by design

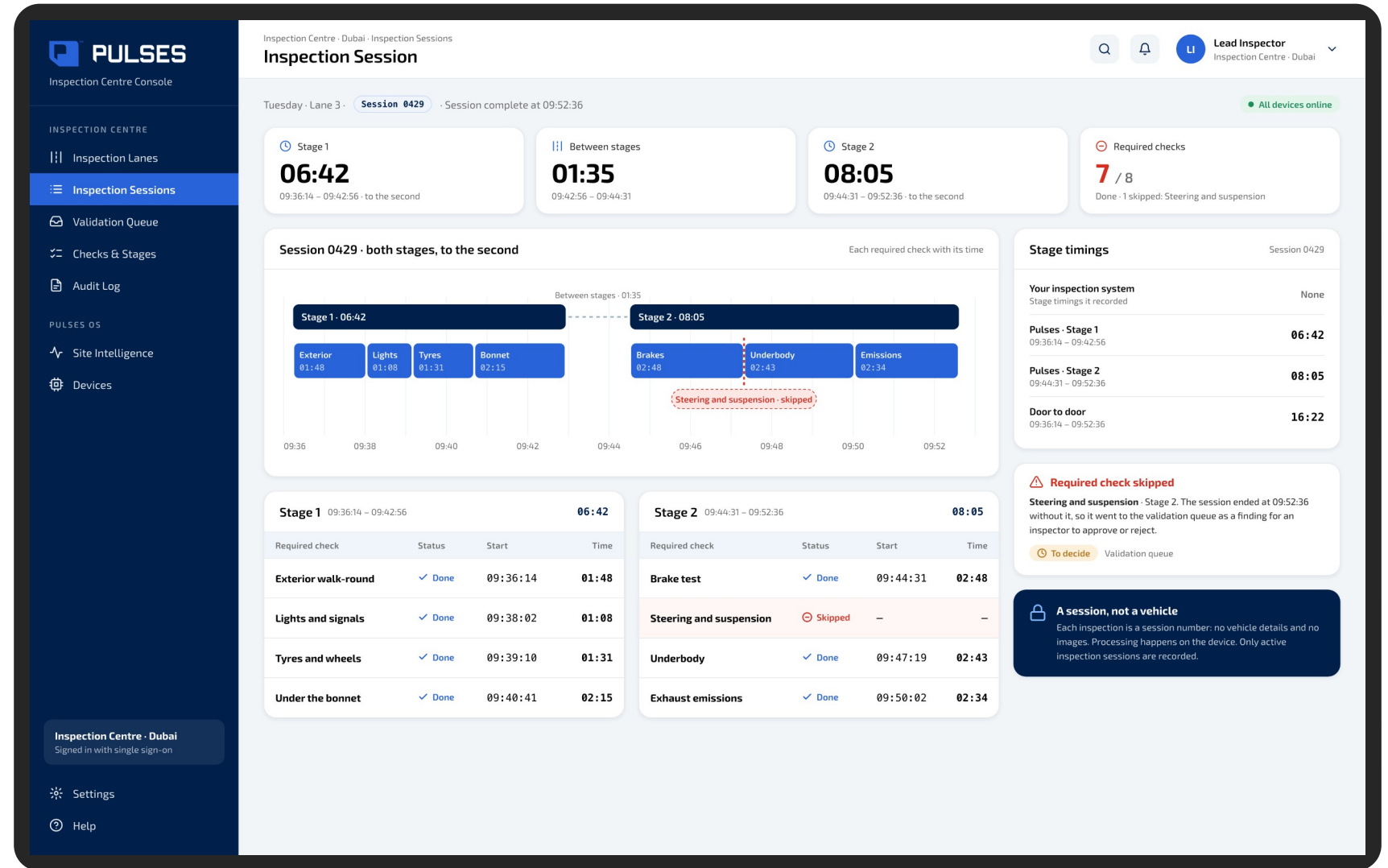
Processing happens on the device. Only active inspection sessions are recorded - insights, not images.

PULSES OS

Inspection Session

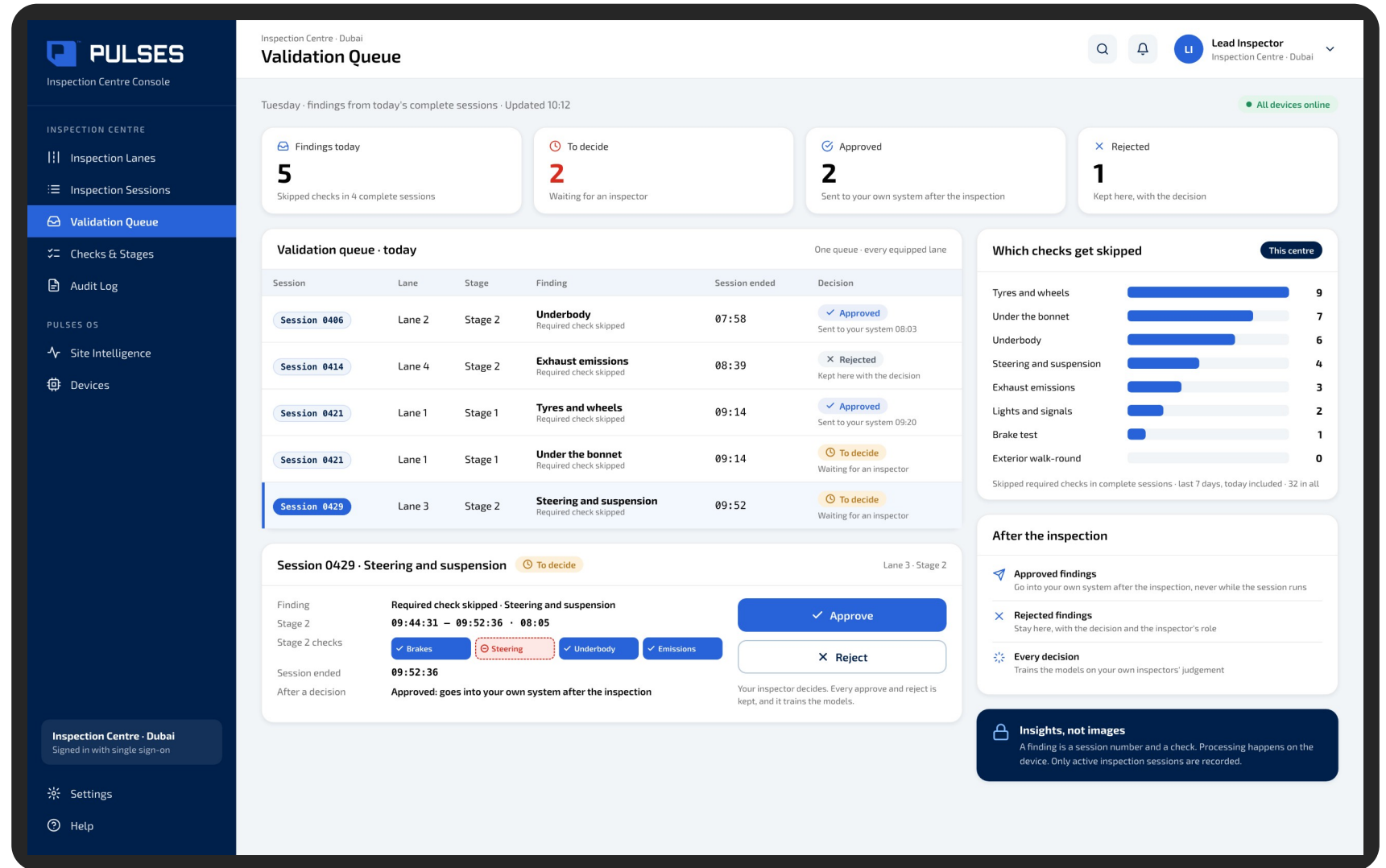
Both stages, to the second.

- One session, both stages timed to the second
- Each required check with its time
- Even when your inspection system records no timings



Your inspectors decide.

- Findings waiting for an inspector to approve or reject
- Which checks get skipped, and how often
- Approved findings go into your own system after the inspection



The screenshot displays the PULSES OS Validation Queue interface. The top navigation bar includes the PULSES logo, the title 'Validation Queue', and user information for 'Lead Inspector' at 'Inspection Centre - Dubai'. A sidebar on the left lists navigation options: 'Inspection Lanes', 'Inspection Sessions', 'Validation Queue' (selected), 'Checks & Stages', 'Audit Log', 'PULSES OS', 'Site Intelligence', and 'Devices'. The main content area shows a summary of findings: 5 skipped checks, 2 to decide, 2 approved, and 1 rejected. Below this is a table of the validation queue for today, listing sessions, lanes, stages, findings, session end times, and decisions. A detailed view for Session 0429 (Steering and suspension) is shown, including a timeline of checks (Brakes, Steering, Underbody, Emissions) and a decision button. On the right, a bar chart shows which checks get skipped most frequently, with 'Tyres and wheels' being the most common. Below the chart, a section titled 'After the inspection' explains the workflow for approved findings, rejected findings, and every decision. A final note states that insights, not images, are used for training models.

Inspection Centre - Dubai
Signed in with single sign-on

Validation Queue

Tuesday - findings from today's complete sessions - Updated 10:12

Findings today
5
Skipped checks in 4 complete sessions

To decide
2
Waiting for an inspector

Approved
2
Sent to your own system after the inspection

Rejected
1
Kept here, with the decision

Validation queue - today
One queue - every equipped lane

Session	Lane	Stage	Finding	Session ended	Decision
Session 0406	Lane 2	Stage 2	Underbody Required check skipped	07:58	✓ Approved Sent to your system 08:03
Session 0414	Lane 4	Stage 2	Exhaust emissions Required check skipped	08:39	✗ Rejected Kept here with the decision
Session 0421	Lane 1	Stage 1	Tyres and wheels Required check skipped	09:14	✓ Approved Sent to your system 09:20
Session 0421	Lane 1	Stage 1	Under the bonnet Required check skipped	09:14	⌚ To decide Waiting for an inspector
Session 0429	Lane 3	Stage 2	Steering and suspension Required check skipped	09:52	⌚ To decide Waiting for an inspector

Session 0429 - Steering and suspension ⌚ To decide Lane 3 - Stage 2

Finding: Required check skipped - Steering and suspension
09:44:31 - 09:52:36 · 08:05

Stage 2
Stage 2 checks: ✓ Brakes ⌚ Steering ✓ Underbody ✓ Emissions

Session ended: 09:52:36
After a decision: Approved: goes into your own system after the inspection

Approve **Reject**

Your inspector decides. Every approve and reject is kept, and it trains the models.

Which checks get skipped This centre

Check	Count
Tyres and wheels	9
Under the bonnet	7
Underbody	6
Steering and suspension	4
Exhaust emissions	3
Lights and signals	2
Brake test	1
Exterior walk-round	0

Skipped required checks in complete sessions - last 7 days, today included - 32 in all

After the inspection

- Approved findings**
Go into your own system after the inspection, never while the session runs
- Rejected findings**
Stay here, with the decision and the inspector's role
- Every decision**
Trains the models on your own inspectors' judgement

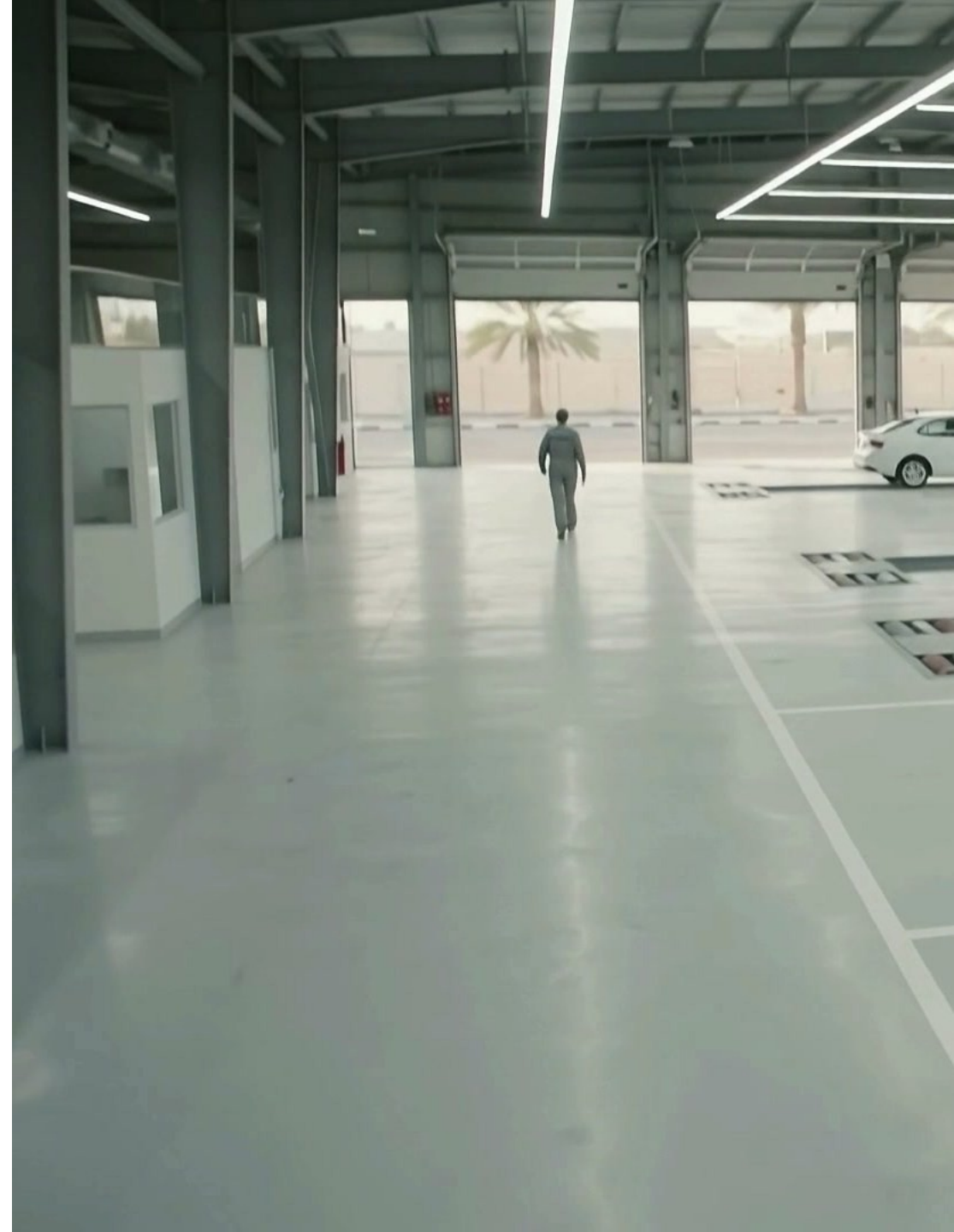
Insights, not images
A finding is a session number and a check. Processing happens on the device. Only active inspection sessions are recorded.

PRIVACY

Privacy by architecture.

- Processing happens on the device.
- Only active inspection sessions are recorded.

Insights, not images.



PROOF

150 million+

journeys counted across Pulses deployments

Anonymous platform total

NEXT STEP

Each required check: done, or skipped.

Book a walkthrough — pulses.ai/demo

The full showcase:
pulses.ai/showcases/vehicle-inspection

Insights, not images.

The Operating System for the Physical World ·  Made in UAE



Scan for the showcase

Deployed at



Built on

