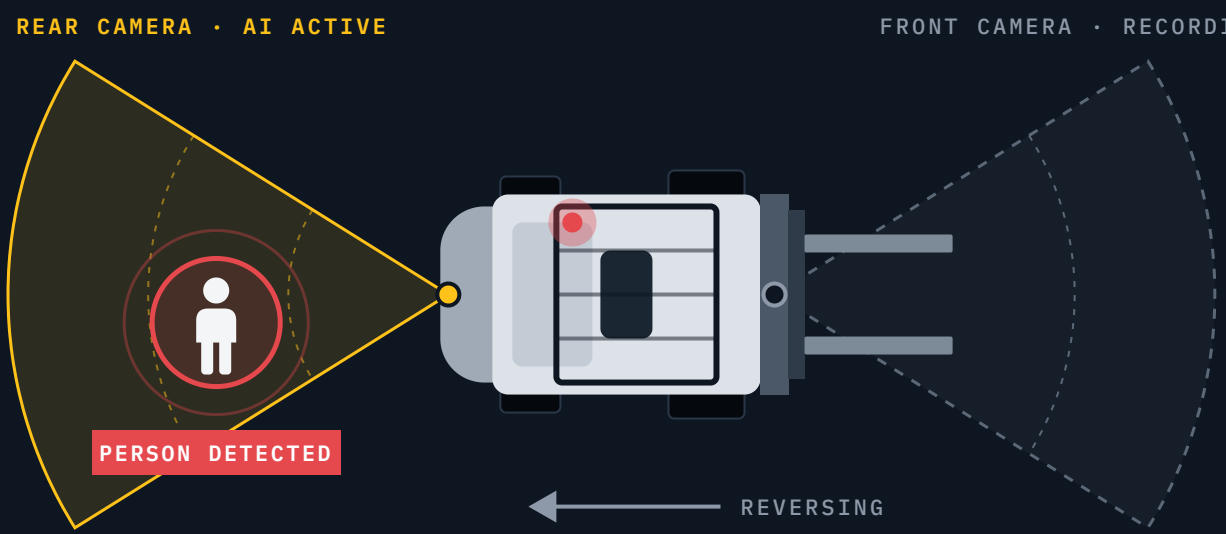
AI DRIVER ASSISTANT

EVERY PERSON SEEN. EVERY TRIP ON RECORD.

AI pedestrian detection, real-time alarm and full trip recording for forklifts — retrofitted to the trucks you already run.



~1 s
From person detected to siren sounding

0 tags
Nothing for people on foot to wear or charge

Offline
No internet, no cloud, no subscription

1 day
To retrofit a truck — any make, any age

NEW IN V4 Front + rear trip recording · Severity-graded event log · Incident clips

01 — THE RISK

YOUR DRIVERS CAN'T SEE EVERYONE.

Loads block the view ahead and the counterweight hides what's behind. Every reverse relies on a mirror and a quick glance — while people step out from racking, doorways and trailers without warning.

1 in 5

forklift-related deaths involved a worker on foot struck by the truck.[1]

20 days

median time off work when a forklift injures a pedestrian — the longest of any forklift event.[2]

WHY TODAY'S CONTROLS AREN'T ENOUGH

Mirrors & reversing cameras
Work only when the driver looks at the right moment.

Horns, beepers & blue lights
Warn the attentive. Heard all shift, they become noise.

Floor markings & segregation
Hold only while every person follows them, every time.

Wearable tag systems
Protect only people carrying a charged tag, every shift.

THE ANSWER

A SECOND PAIR OF EYES THAT NEVER LOOKS AWAY

AI Driver Assistant watches the direction of travel, sounds the alarm when a person is confirmed and records every trip — all on the truck, with nothing to install on site.

1. NIOSH Alert, Pub. No. 2001-109: of 1,021 U.S. forklift deaths (1980–1994), 20% were workers on foot struck by a forklift.

2. U.S. Bureau of Labor Statistics, Occupational Injuries, Illnesses, and Fatalities Involving Forklifts (2017 data).

02 — HOW IT WORKS

TURN THE KEY. IT DOES THE REST.

AI Driver Assistant starts with the truck, follows the gear lever and runs on its own all shift — no buttons, no log-in, nothing for the driver to manage.

01
CAPTURE
Front and rear cameras feed the on-board unit

02
DETECT
Edge AI picks out people — not pallets or racking

03
CONFIRM
Checked across frames to cut false alarms

04
ALERT + LOG
Siren sounds; video and event are saved



7-INCH IN-CAB DISPLAY · IN REVERSE: REAR VIEW, FULL SCREEN

THE DRIVER'S VIEW

Follows the gear lever
Reverse engaged? The screen switches to the rear camera automatically.

Clean and lag-free
Smooth, full-screen video. No boxes or graphics to distract.

Never a frozen picture
Camera lost? NO SIGNAL. Detection stopped? A clear warning.

DETECT & ALERT

People, not objects
AI looks for people — pallets, racking and trucks aren't flagged.

Real-time siren & beacon
Hardwired siren and warning-light outputs, about 1 s from detection.

Fewer nuisance alarms
Confirmed across frames before it sounds; clears once they've gone.

Tuned to each truck
Each camera's detection area adjusts to the truck, mast and aisle.

03 — RECORD & INVESTIGATE NEW IN V4

A BLACK BOX FOR EVERY FORKLIFT.

V4 records both cameras on every trip and logs each alarm with its severity — so you know what happened, where, and how close it came.

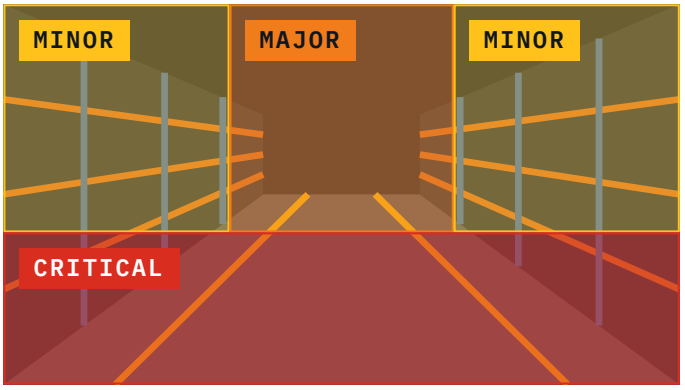
Continuous dual-camera recording
Front and rear, start-up to shutdown, every single trip.

Survives sudden power-off
Footage up to a sudden switch-off stays intact and playable.

Storage that manages itself
4-day rolling video, automatic clean-up and a disk-safety cap.

One-step incident clips
Pull the exact moment by event time or video position, lossless.

EVERY EVENT, GRADED



Critical — closest to the truck, lower part of the view

Major — in the path, centre of the view

Minor — beside the path

Grading is logged for analysis; the alarm sounds for any person in the detection area.

EVERY ALARM, LOGGED

CAMERA	START	DURATION	SEVERITY	PEOPLE	VIDEO AT
Rear	07:42:15	6 s	CRITICAL	1	00:37:10
Front	09:18:03	3 s	MAJOR	2	02:13:48
Front	11:05:47	2 s	MINOR	1	04:01:22

Illustrative example · one row per alarm, per camera · kept permanently · opens in Excel

QUESTIONS YOU CAN FINALLY ANSWER

WHICH TRUCK? WHICH HOUR? WHICH WAY?

HOW CLOSE DID IT REALLY COME?

WHAT EXACTLY HAPPENED AT 07:42?

04 — SAFETY DASHBOARD

EVERY SHIFT. ONE SCREEN.

Each truck's event log becomes a one-page safety dashboard.

forklift_safety_dashboard.html SAMPLE DATA

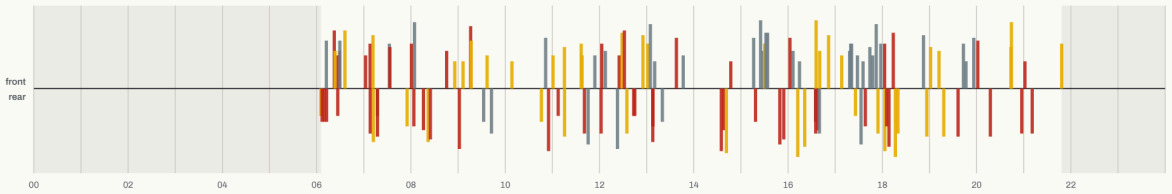
Forklift proximity alerts

Thursday 22 October 2026 · vehicle active 06:05 to 21:48

Front and rear cameras, 3 m detection zone
Source: **front_events.csv** + **rear_events.csv**

The day, minute by minute (1)

Each mark is one alert. Height shows how long the person stayed in the zone, colour shows how close they got. Front camera reads upward, rear camera downward.

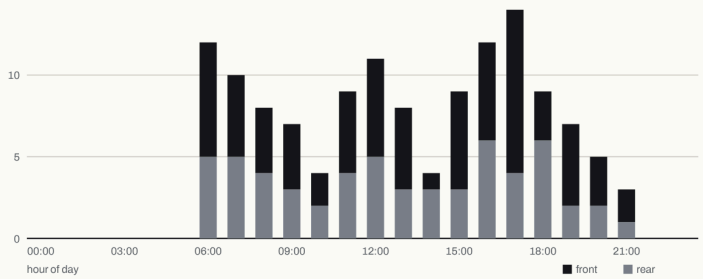


132 (2)	51	23	12m 11s	13
alerts raised	critical, at closest range	escalated after the first warning	total time people spent in the zone	alerts with more than one person

Show: Both cameras | Front | Rear — All severities | Critical | Major | Minor (3)

When the day gets dangerous (4)

Alerts per hour, split by camera. Use this to pick which shift briefings and which aisles to fix first.



How close it got (5)

Severity is the worst point reached during the event, not where it started.

Critical	51 · 39%
Major	42 · 32%
Minor	39 · 30%
Escalated mid-event	23 · 17%
Two or more people	13 · 10%

The alarm sounded and the person kept walking in. This is the number that shows whether the alert is actually being heard.

1. **The day, minute by minute** — Every alert on one timeline, by camera
2. **The numbers that matter** — Critical events, escalations, time in zone
3. **One-click filters** — By camera and severity; every chart updates
4. **When the day gets dangerous** — Alerts per hour, to plan briefings and fixes
5. **How close it got** — Severity mix — and is the alarm being heard?
+ **Clips to review first** — Ranked, with recording file and timecode

05 — BUILT FOR THE REAL WORLD

NO NETWORK. NO TAGS. NO DISRUPTION.

100% offline
AI runs on the truck. No internet, cloud or Wi-Fi needed.

Tagless
Nothing for workers or visitors to wear, charge or forget.

Any forklift
Any make, model or age. No structural modification.

One-day install
Fitted, set up and handed over within one working day.

Scales truck by truck
Start with one forklift, grow at your pace — each unit stands alone.

Local support
Supplied, installed and supported by our own team.

VALUE FOR EVERY STAKEHOLDER

HSE & SAFETY	Two-way pedestrian protection, plus the near-miss data you've never had — leading indicators that prevent the next incident.
OPERATIONS	A clear rear view on every reverse helps protect racking, doors and stock — with no change to how anyone works.
FLEET	Retrofits across mixed fleets with no structural changes; each truck is back in service the same day.
IT & SECURITY	Nothing joins your network. No cloud accounts, no remote access, no data leaving the site.
FINANCE	A one-time investment. No subscriptions, no tags to buy and replace, no per-user fees.
DRIVERS	A second pair of eyes — and video that shows what really happened when they did nothing wrong.

06 — SPECIFICATIONS

WHAT'S IN V4

DETECTION	On-board edge AI, deep-learning person detection
COVERAGE	Front and rear cameras; AI follows the direction of travel, switched automatically by the truck's reverse signal
DRIVER DISPLAY	7-inch in-cab screen, active direction, full screen, no overlays
ALARM OUTPUTS	Hardwired outputs for siren and/or warning beacon
DETECTION TO ALARM	About 1 second (field-measured)
RECORDING	Both cameras, start-up to shutdown, power-cut tolerant; 4-day rolling video, automatic clean-up, disk-safety cap
EVENT LOG	Per camera: start, end, duration, severity (critical / major / minor), people count, video position — kept permanently
INCIDENT CLIPS	Lossless export by event time or video position
DASHBOARD	One-page safety dashboard per truck and day, built from the event log; opens in any web browser
HEALTH CHECKS	On-screen NO SIGNAL and detection-fault warnings; recording resumes on its own when a camera reconnects
CONNECTIVITY	None required — fully offline, no cloud, no subscription
FITMENT	Any forklift make, model or age, no structural modification; installed and handed over in one working day per truck

START WITH ONE TRUCK.

See it on your own floor before you commit. We fit AI Driver Assistant to one forklift in your live operation, then review the event log and clips with your team.

BOOK A PILOT +20 120 433 7664

I SAFE | for Safety Solutions

AI Driver Assistant is an operator-assistance and warning system. It supports, and does not replace, traffic management, operator training and safe systems of work. Illustrations are representative.