In-cab service and retorque alerts for light vehicle fleets.

A small unit behind the dash lights a lamp when the vehicle is due for service, or when its wheel nuts are due a retorque check. The workshop sees the same picture on a wall screen and a web board, signs work off by name, and gets a retorque register as a by-product.



Amber: service due. Lit from the start of the shift before, until the workshop signs it off.
Red: retorque outstanding. Reminders after any wheels-off job, until a fitter signs the check off.

The operator sees it. Two lamps in a spare switch position and a windscreen label. No screen, app or login in the cab.

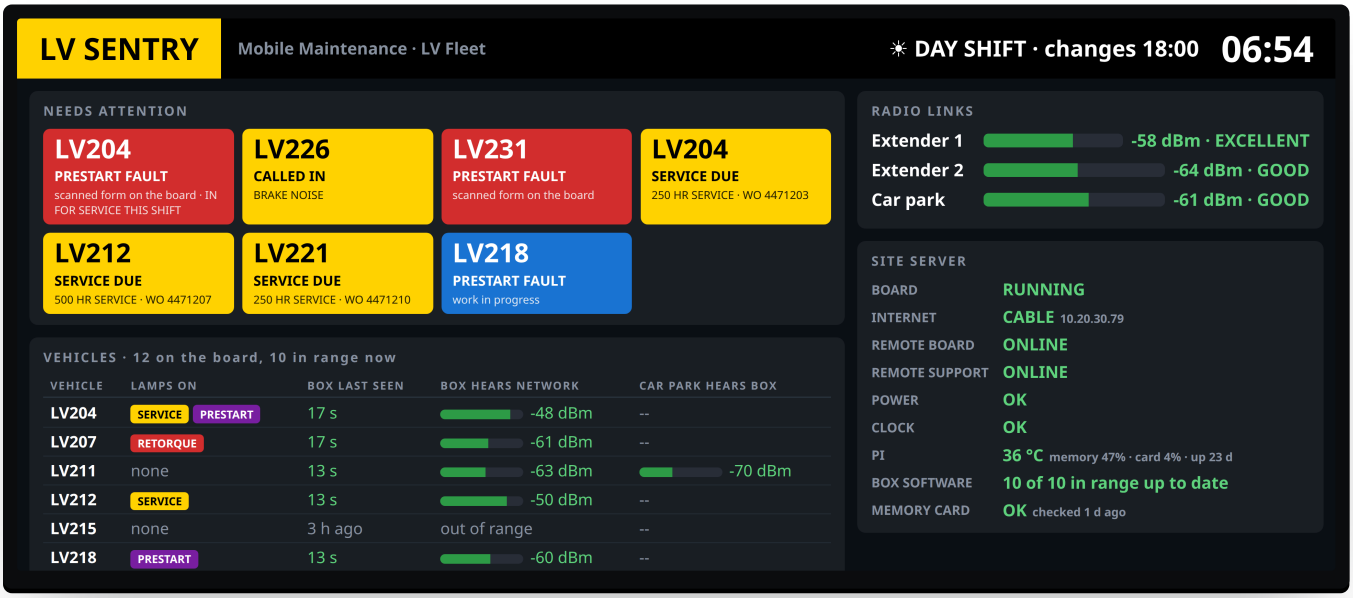
The workshop sees it. Wall screen and board show what is due this shift, what has been called in, and open prestart faults.

The record keeps itself. Every sign-off, retorque and missed service is logged with who, when and why, and exports to CSV.

Paper prestarts reach the fitter. Scanned forms are matched to the vehicle and shown as a prestart fault until closed out.

Its own network. LV Sentry Wi-Fi where vehicles already stop. No SIM cards. No connection to the site network required.

No subscription. One-off purchase per vehicle plus site setup. Software updates arrive over the air.



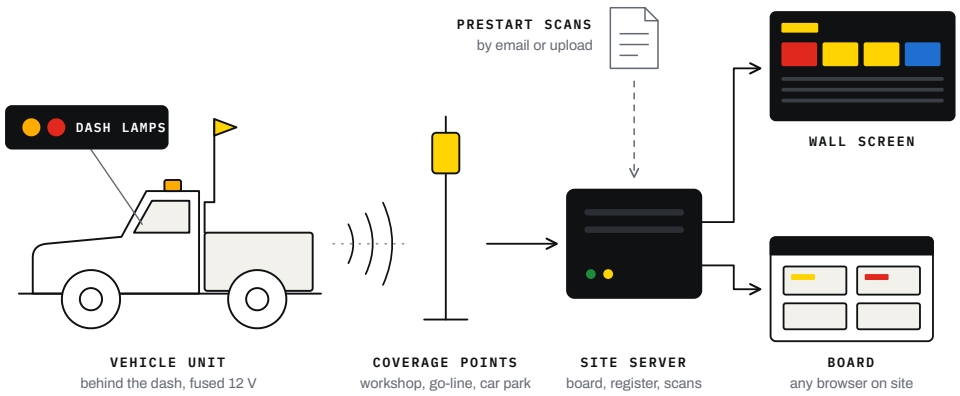
THE WORKSHOP WALL SCREEN. DEMONSTRATION FLEET: VEHICLE NUMBERS AND NAMES ARE FICTIONAL.

2
lamps in the cab. Nothing for the operator to learn.

<1 hour
to fit each vehicle. No connection to vehicle data systems.

30 sec
between check-ins while a vehicle is in coverage.

0
SIM cards, subscriptions or licence fees.



PLAN ON THE BOARD. THE LAMP NOTIFIES THE OPERATOR. THE WALL SHOWS THE WORKSHOP. SIGN-OFF WRITES THE REGISTER.

Vehicle unit

SUPPLY	12 V DC switched accessory circuit, through an inline fuse, with transient suppression on the input
INDICATORS	Two 5 mm LEDs in a spare switch blank: amber for service, red for retorque. Windscreen instruction label. Self-test at every power-on
RADIO	2.4 GHz Wi-Fi (802.11 b/g/n) to LV Sentry coverage points only
BEHAVIOUR	Checks in every 30 seconds in coverage. Flags held in non-volatile memory; lamps keep working out of coverage
ENCLOSURE	66 × 52 × 24 mm plus mounting wings, PETG. Behind the dash
FITMENT	Under one hour per vehicle. No connection to vehicle data systems

Site system

SERVER	On-site server supplied, or deployed to a site-hosted Linux virtual machine. No cloud dependency
SCREENS	Board and wall screen in any current web browser on a PC, tablet or television
RECORDS	Audit trail of every action; retorque register and missed services on screen and as CSV; 30 days of check-in history
PRESTARTS	PDF, JPG or PNG by upload or email. Optional automatic reading of the LV number; with it off, no scan leaves the server
UPDATES	Vehicle units update over the air while parked in coverage

VERSION 2

Uses the same lamps, coverage points and server. Roadmap items are plans, not commitments.

IN DEVELOPMENT

Diagnostic-port connection

Check-engine lamp, engine fault codes and odometer on the board, so services can follow kilometres as well as the calendar. Read-only; codes are never cleared.

PLANNED

GPS location

Last known position for each vehicle beside its service status, so the workshop can find the vehicle that is due. Complements site IVMS.

From order to in service

A site check, then units fitted and the workshop walked through the board. Allow four to five weeks from order to commissioning, subject to site access and approvals.

Supply and support

12-month hardware warranty; failed units replaced. Software and firmware updates for 12 months. Proven in daily mine-site service, and supplied and supported from Western Australia.

Ask for a walk-through

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