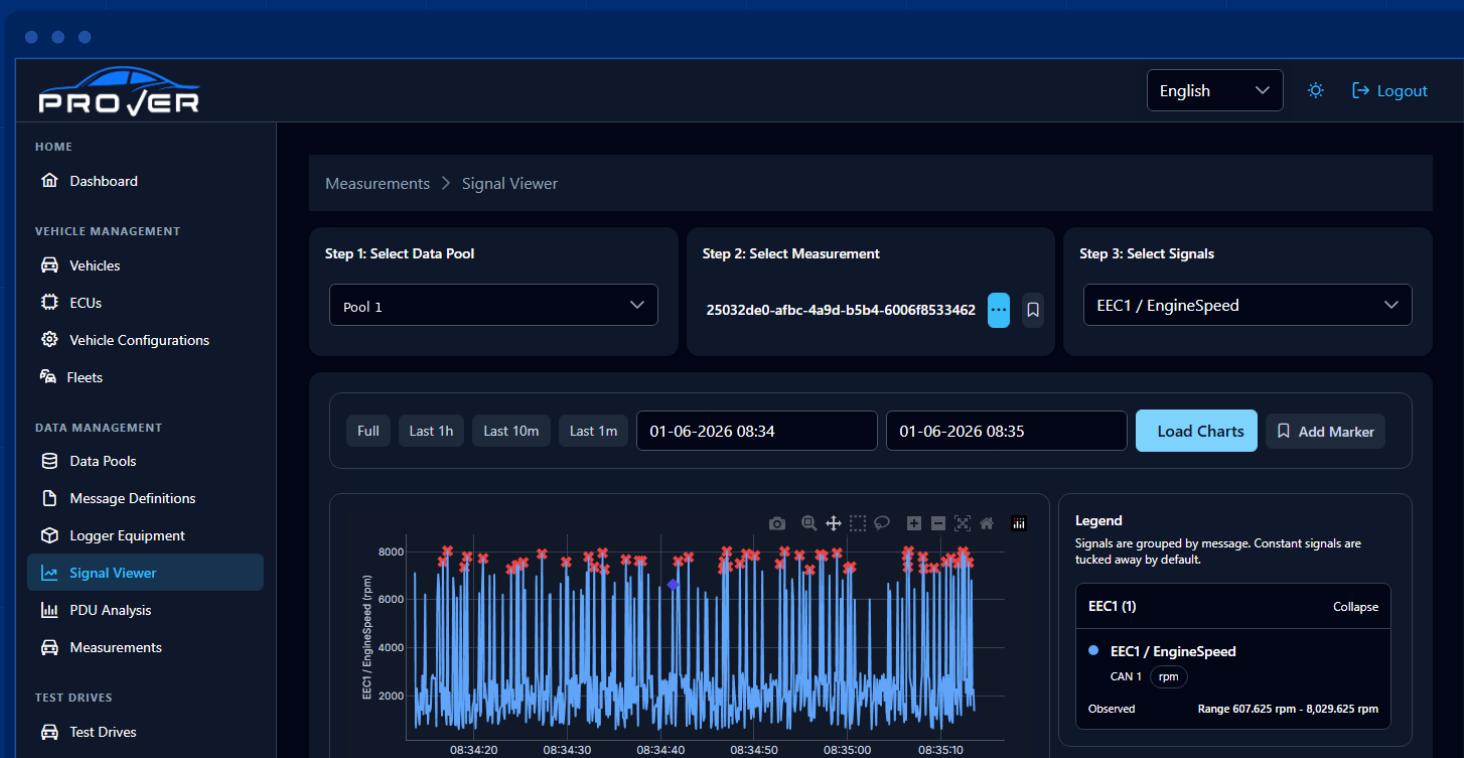


Stop digging through terabytes. Start delivering verdicts. Ship with proof.

From vehicle measurements to engineering decisions. ProVER centralizes test data, applies DBC-driven signal and PDU analyses, and brings findings, annotations and test-drive context into one traceable workspace.



PROVER SIGNAL VIEWER - MULTI-SIGNAL ANALYSIS WITH INSTANT ERROR OVERLAYS AND ENGINEERING MARKERS

TISAX AL3 Assessed

Works with Vector & TTTechAuto data

Cloud, Desktop & On-Premises

Proven in European automotive programmes

Modern vehicles run on software. Testing them should not run on spreadsheets.

A single vehicle platform hosts dozens of ECUs exchanging millions of messages per drive. Manually reviewing those logs is slow, inconsistent, and impossible to scale. ProVER was built to solve exactly this.

Terabytes of logs, not enough time

Drive test logs pile up faster than engineers can analyse them. ProVER automatically processes large measurement datasets and helps engineers focus on the signals, messages and time ranges that require attention.

Anomalies buried in the noise

Signal deviations, cycle time violations, and unexpected messages hide inside millions of frames. ProVER's rule engine flags exactly where to look.

No single source of truth

Measurement files, DBC definitions, vehicle master data and test results scattered across tools. ProVER consolidates everything into one structured platform.

Reports take too long to produce

ProVER generates dashboards automatically - and integrates with your test management infrastructure to deliver analysis results as automated test reports.

One platform. Five steps.

01 Manage

Organise vehicles, ECUs, configurations, fleets, drivers, logger equipment and data pools.

02 Collect

Upload measurement files, monitor processing and preserve the metadata required to interpret each test.

03 Analyse

Evaluate signal behaviour, message timing, coverage, unexpected traffic and configured error conditions.

04 Investigate

Inspect relevant time ranges, compare signal behaviour and mark important events directly on measurement data.

05 Document

Connect measurements with structured test-drive surveys, findings and audit records.

The screenshot displays the ProVER web application interface. The top navigation bar includes the ProVER logo, a language dropdown set to 'English', a settings icon, and a 'Logout' link. The left sidebar contains a 'HOME' section with a 'Dashboard' link, and three main categories: 'VEHICLE MANAGEMENT' (Vehicles, ECUs, Vehicle Configurations, Fleets), 'DATA MANAGEMENT' (Data Pools, Message Definitions, Logger Equipment, Signal Viewer, PDU Analysis, Measurements), and 'TEST DRIVES' (Test Drives, Survey Templates). The 'USER MANAGEMENT' section at the bottom has a 'Users' link. The main content area is titled 'Measurements' and features a '+ Add Measurement' button. Below this is a 'Data Pool' dropdown set to 'Pool 1'. There are search filters for 'Measurement ID' (Search by ID), 'Description' (Search by description), 'Driver' (All drivers), 'Vehicle (VIN)' (All vehicles), and 'Status' (All status...). A 'Search' button and a 'Clear' button are also present. A table displays the search results with columns: Measurement ID ↑↓, Driver ↑↓, Vehicle, Uploaded By ↑↓, Upload Date ↑↓, Size, Status, and Actions. The table shows five rows of data, with the first row marked as 'Draft' and the others as 'Active'. The bottom of the table indicates 'Showing 1 to 5 of 5 measurements' with pagination controls for page 1 of 10.

Measurement ID ↑↓	Driver ↑↓	Vehicle	Uploaded By ↑↓	Upload Date ↑↓	Size	Status	Actions
f01304b4-d72d-4d9d-8318-8bb1ce0c1ea	T K	ABC12345678912345	admin	-	-	Draft	Edit Delete
25032de0-afbc-4a9d-b5b4-6006f8533462	T K	ABC12345678912345	admin	6/4/26, 4:01 PM	37.6 KB	Active	Edit Delete
a1c023db-1682-4d83-ae2f-c9c7cb1eFaf4	T K	ABC12345678912345	admin	5/12/26, 2:54 PM	1.9 MB	Active	Edit Delete
e6b7af84-4363-42a3-88b9-0440b9a536f6	-	ABC12345678912345	admin	5/12/26, 1:54 PM	1.9 MB	Active	Edit Delete
e56e5252-1008-43ae-8509-bb53f2102e76	-	ABC12345678912345	admin	5/12/26, 8:47 AM	1.9 MB	Active	Edit Delete

MEASUREMENTS - INGEST, TRACK AND ORGANISE EVERY TEST MEASUREMENT

Built for the full verification workflow

SIGNAL VIEWER

Visualise signals and errors on the same chart

- > Interactive charts with zoom, pan and range selection
- > Error hits as red markers with hover details
- > Engineering markers added directly from the chart

PDU ANALYSIS

Validate bus behaviour at the protocol level

- > Cycle time: observed vs. expected message timing
- > Undetected & unexpected messages vs. DBC
- > Message length violations and full error timeline

MEASUREMENT MANAGEMENT

Every test measurement, tracked and organised

- > Supported formats: ASC, BLF, MDF, TTL
- > Chunked upload with pause/resume, live ingest status
- > Metadata: vehicle, ECU config, driver, data pool

VEHICLE & ECU MASTER DATA

One structured registry for your entire fleet

- > Model: ECU > Configuration > Vehicle > Fleet
- > Reusable configurations with versioning
- > Driver registry and fleet grouping

TEST DRIVE WORKFLOWS

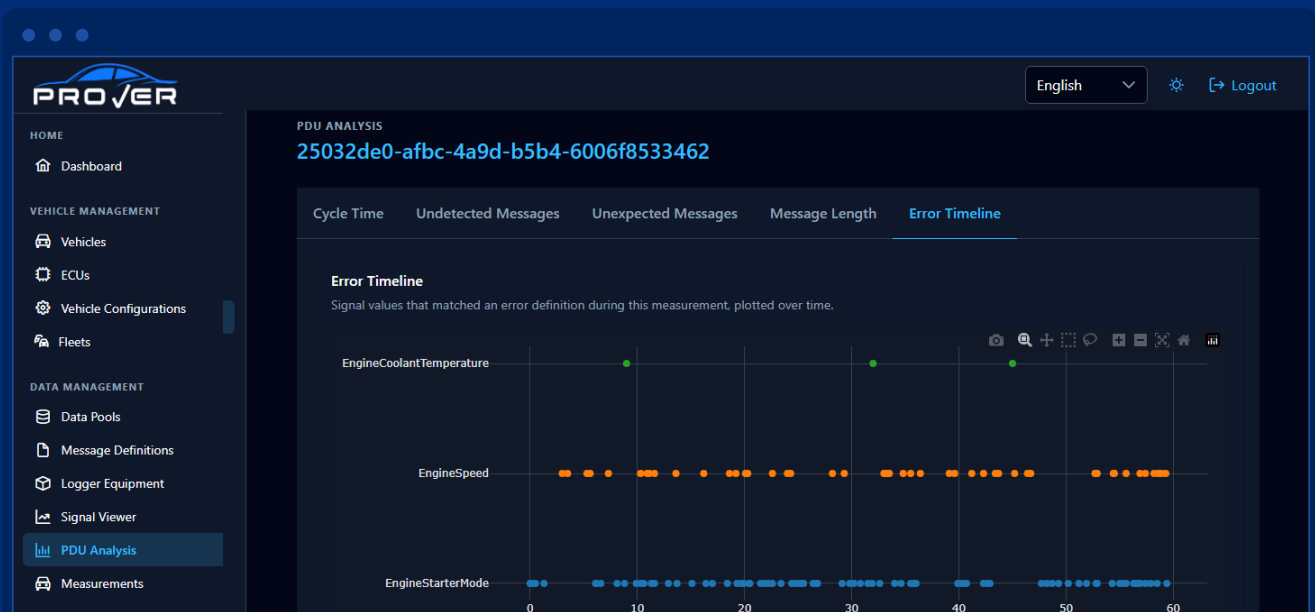
From pre-drive survey to completion summary

- > Configurable PRE/POST templates, six question types
- > Traceable completion summary with sign-off

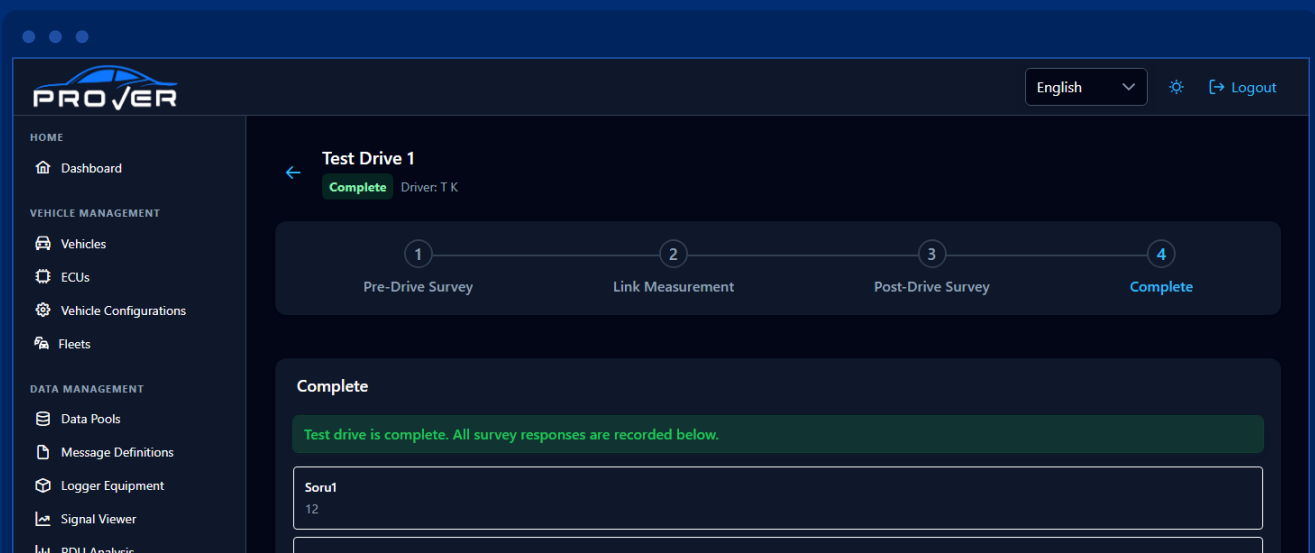
DBC & SIGNAL ERROR RULES

Set the rules. ProVER turns deviations into verdicts.

- > EXACT and RANGE rule types per signal
- > Rules drive Signal Viewer overlays and PDU results



PDU ANALYSIS - ERROR TIMELINE ACROSS THE MEASUREMENT WINDOW



TEST DRIVES - GUIDED WORKFLOW WITH SURVEY INTEGRATION

FULL CAPABILITY SET

Everything in one platform

Cloud-Based Analysis

Team-wide dashboards and trend analysis on processed measurement data.

Measurement Processing at Scale

Chunked uploads, real-time ingest monitoring, structured metadata.

Data Pool Access Control

Owner, contributor and viewer roles - controlled, clearly scoped access.

KPI Dashboards & Trends

Automatic KPIs and trend charts for programme-level visibility.

Test Drive Workflows

Structured surveys connecting data to real driving context and sign-off.

RBAC & Audit Log

System activity and changes recorded for operational traceability.

EXTENDED PLATFORM

Desktop & Offline Analysis

Live / Online Analysis

ROADMAP

Script Editor

ROADMAP

AI-Assisted Anomaly Detection

IN DEVELOPMENT

COMPATIBILITY

Works with the tools your team already uses

DATA SOURCES

Vector

TTTechAuto

MEASUREMENT FORMATS

ASC

BLF

MDF

TTL

DEFINITIONS & CONFIG

DBC

ARXML

Excel/CSV

JSON

35,250+

Engineer hours saved yearly at a single OEM customer

247

Person-months recovered annually

4

File formats: ASC, BLF, MDF, TTL

Tier-1

Supplier experience across European automotive programmes

ProVER is developed within Proven's TISAX-assessed (AL3, Scope 2.0) and ISO 27001-certified environment. Deploy it as a managed cloud service or fully on-premises within your own infrastructure - your vehicle data is handled with the controls your OEM partners expect.

TISAX AL3 - Assessed (Scope 2.0)

ISO 9001

ISO 27001

Eclipse SDV Member

Cloud

On-Premises

Ready to stop searching logs and start finding answers?

See how ProVER fits your vehicles, measurement formats and verification workflows.

REQUEST A PROVER DEMO

www.proven.technology | info@proven.technology