



## STREAMLINE YOUR ROAD-TESTING PROCESS

# AVL In-Vehicle Data and Process Management Software Solution

### MARKET REQUIREMENTS

To meet emissions regulations and customer demands, vehicle development is becoming more demanding than ever. The cost of prototype vehicles is skyrocketing, and the testing effort for different vehicle models in different locations with different environmental conditions - such as in the heat of South Africa or the cold of Scandinavia - is immense.

At AVL, we are experts in applying state-of-the-art simulation solutions to frontloading. Our products and services optimize development and testing processes, reduce effort and the need for prototypes, and thus save costs and time.

Nevertheless, there will always be a need for prototype testing in the real world. Unfortunately, in-vehicle testing with multiple drivers and extensive requirements is logistically difficult, expensive and extremely timeconsuming. Especially now that calibration engineers can no longer travel or can only travel on a limited basis due to global

Covid-19 restrictions, alternative working methods are needed. This is where AVL's in-vehicle testing solutions can help.

### THE AVL SOLUTION

- Prepare, plan and schedule work packages, work orders and test steps in the office, combined with vehicle, equipment and resource management
- Enrich of the meta data in the vehicle before and after the test drive
- Central data storage, meta data-based search for manual and fully automated evaluations

### THE ADDED VALUE

- ISO 27001 compliant workflow
- Consistent meta data and measurement data handling
- Support for offline work in the vehicle
- Automated data transfer and ingestion
- Reduced time for data handling and report generation
- Traceable and revision-safe workflow

## DATA INTELLIGENCE

Analyze and report the data fully automatically or interactively; standardize the data processing based on powerful calculation libraries, layouts and applications; enhance your data and combine it with meta data for complaint reports and visualizations.

## ASSET AND PROCESS CONTROL

Manage and schedule work orders and test steps centrally; manage vehicles including meta data and necessary measurement devices including maintenance scheduling and utilization tracking; track the test order status and its results and provide task lists to the responsible people.



## DATA MANAGEMENT

A highly standardized and modularized data management solution for harmonized data integration, search, exploration, and automated processing; no matter where and on which level of the development process the data is generated, the system manages heterogeneous data in a consistent and synchronized way to meet current and future challenges.

## TEST EXECUTION

Manage and execute the work steps online or without network access; enhance the meta data for testing conditions and attach additional information; data is automatically transferred at the end of the test execution back to the data management system.

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## FIND OUT MORE

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