

AVL



AVL
Team
SUITE™



AVL TFMS™ FOR POWERTRAIN

Leading efficiency

Test lifecycle management

THE CHALLENGE

Powertrain testing is complex. Today's test facilities are characterized by an ever-increasing variety of assets, changing processes, new regulations and the constant need to keep testing cost under control or below the defined limit. This accelerates the need to reduce inefficiencies, make the best use of all available assets and keep testbed downtimes to a minimum.

THE AVL SOLUTION

AVL TFMS™ For Powertrain is the end-to-end test lifecycle and asset management solution in the powertrain domain. It aims to efficiently and effectively manage all aspects of the test lifecycle. The objective is to improve the planning process of individual test orders. Consequently, it maximizes the utilization of all available assets, while minimizing downtimes and cutting costs related to inefficiencies.

The solution provides automotive companies the ability to manage their fixed and mobile assets as well as their test articles in one common place. It improves the collaboration across the various departments, teams and sites involved in powertrain testing. Furthermore, as a collaborative tool, TFMS For Powertrain creates a unique view on test data through integrated data management. With accurate and up-to-date information at their disposal, automotive companies are able to rapidly deal with operational issues at their test facilities and labs.

THE ADDED VALUE

- Standardization and harmonization of processes and terminology based on in-house best practices
- Increasing efficiency and collaboration by introducing standardized workflows
- Unique view on powertrain testing data through integrated data management

THE CHALLENGE

THE AVL SOLUTION

OPTIMIZE THE UTILIZATION OF TESTING ASSETS

- Need to keep testing costs under control or even reduce them
- Ever-increasing variety of assets, changing processes, and new regulations
- Missing information about device calibration, maintenance and running hours

- Scheduling capabilities alerting users about unavailability, conflicts or other dependencies of assets
- In case of disruption, adapt test plans accordingly and dispatch replacements to efficiently minimize downtime
- Up-to-date information about calibration, maintenance and running hours in one common place

IMPROVE COLLABORATION

- Various teams need to work together even across different locations and sites
- Various fragmented and paper-based ways to manage the testing process
- Lack of common information about test operations, status and test articles

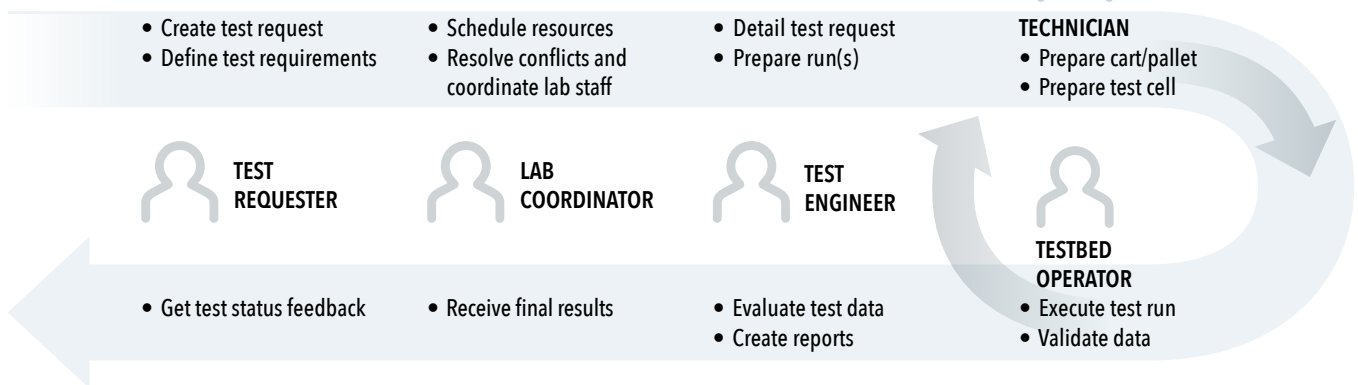
- Standardized electronic workflows and terminology based on best practices guiding users along the test lifecycle
- Electronic quality gate between the development department and the test lab
- Unique view on test data and operations in a central place

SHARED, ACCURATE AND TIMELY INFORMATION IMPROVE COLLABORATION

- Inefficiencies due to conflicts force the rescheduling of test activities
- Advances in measuring technology, precision and speed produce ever-larger quantities of data
- New regulations demand stricter traceability and reproducibility

- Automatic conflict detection allows quick and easy rescheduling
- Accurate planning data with up-to-date scheduling information for all users
- Operational data in one common place enables timely and improved visibility and traceability

TEST LIFECYCLE



FIND OUT MORE:

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