



AVL Smart Services™

Screening in-use data for increased operational efficiency

THE CHALLENGE

The speed of technological development as well as increasing time and cost pressures confront the automotive testing laboratories with new challenges. Maximizing the productive output of already existing testing installations is therefore a vital necessity. To identify how this can be achieved, they need to gather and analyze large amounts of data compiled from various data sources and different locations. At the same time, they also need to consider data consistency and the quality of information.

THE AVL SOLUTION

AVL Smart Services™ offers an off-premise tool-set that includes the innovative AVL Maintenance Manager™ and AVL Smart Reports™. These remarkable smart services provide an intelligent analysis of in-use data and enable test laboratory management to achieve higher productivity in engine and powertrain testing. Moreover, they generate instant transparency of central test lab

operation parameters, allowing shorter response times and the definition of proactive measures. Designed to increase measurement productivity, the AVL Maintenance Manager™ visualizes the current status of measurement devices in real time. It enables the optimized allocation of testing equipment to projects as well as the introduction of effective maintenance programs. By supporting in-time equipment calibration, the tool also ensures that measurement quality follows the legal regulations and data quality requirements.

AVL Smart Reports™ helps to reveal the main factors influencing testing productivity. By providing a quick overview of key performance indicators for test system utilization and technical availability, it highlights the leading topics for continuous improvement. The objective visualizations make it easier to deliver cross-department dialogue to increase equipment runtime and improve measurement results.



AVL Maintenance Manager™



AVL Smart Reports™



The **AVL Maintenance Manager™** helps to ensure the availability of testing equipment for engine, powertrain and vehicle development projects. Thanks to the system's online equipment status information, users can respond quickly to requests from testing operations and take targeted actions to ensure high-quality measurement data.

By proactively driving optimizations for device maintenance and securing timely, fact-based investment decisions, the laboratory support group increases its value contribution to powertrain engineering.

Device data is transmitted securely. The web-based solution helps to reduce associated administrative expenses, avoids costly custom in-house solutions and enables continuous access to the latest developed features. This allows maintenance departments to realize the most value at minimal cost.

The Maintenance Manager™ is an innovative approach which improves the use of AVL measurement devices to increase operational efficiency throughout the equipment lifecycle.

- Up-to-date view on health condition of all connected devices
- Detailed information about device issues and suggestions for remedies
- Overview of device life cycle status
- Online service with high data security and no maintenance costs

AVL Smart Reports™ is the third-generation solution by AVL Digital Services™ that supports test field managers in identifying productivity opportunities. It increases the transparency of the test field, which forms the foundation in optimizing operational runtimes as well as overall efficient use of the test systems.

The instant transparency of relevant information ensures that test field managers can identify targeted improvement opportunities. An unbiased display of productivity factors enables fact-based and conflict-free discussions on required actions. This allows the person responsible for the test field to take the lead and drive these important discussions.

Standardizing both technology and content of the reporting systems means that the administrative effort can be reduced. At the same time, it guarantees continuous improvement. Special requirements can be taken into consideration and – pending feasibility – implemented quickly.

AVL Smart Reports™ supports a sustained continuous improvement process to increase operational efficiency.

- Automatic analysis of criteria relevant to the testing process
- Objective analysis of operational in-use data
- Standardized visualization of common productivity parameters
- Access at any time and independent of location

FIND OUT MORE

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