

AVL



AVL CAMEO 4™

Makes complexity easy

THE CHALLENGE

Engine Control Unit (ECU) calibration is a major task in modern powertrain development. Despite an increasing complexity of modern control units and higher degrees of freedom, time invested in calibration tasks still needs to be reduced.

How to reach your development targets, while facing...

- an increasing system complexity due to emission and fuel consumption requirements
- increasing development costs due to testing in real driving conditions (RDE)
- shorter development times due to frequent portfolio updates
- a broader vehicle portfolio to reach more customer groups

THE AVL SOLUTION

AVL CAMEO 4™ – much more than DoE! With AVL CAMEO 4™, the road for the future is set and prepared. The software offers a complete solution for powertrain testing and optimization demanded by the newest legislations, including RDE.

THE ADDED VALUE

- Time saved through automated functions providing ready-to-use results
- Clear and easy-to-use work procedures
- Improved results in less time through online modeling and optimization
- Highest utilization in the test facility due to standardized tests for multiple use cases and users

WHAT DOES AVL CAMEO 4™ OFFER?

Transient calibration is supported in combination with the integrated data processing platform, AVL CONCERTO 5™. Enhanced usability and a new software user interface enables users a faster parametrization and execution of their tasks. AVL CAMEO 4™ offers a standardization

concept to handle the data needed to deliver world-class engine calibration. A standard test in AVL CAMEO 4™ made for multiple use cases and users, is easy to set up for individual needs, and also for the testbed operators themselves, leaving room for the engineering team to concentrate on innovation.

APPLICATIONS IN AVL CAMEO 4™

- Gasoline engine calibration
- Diesel engine calibration
- Exhaust aftertreatment calibration
- Drivability calibration
- E-motor and inverter calibration
- Battery management calibration
- Fuel cell calibration
- Steering calibration
- Chassis calibration
- ADAS calibration
- Simulation model parametrization
- Vehicle concept selection and optimization

EXPERIENCE THE POWER OF AVL CAMEO 4™ FOR YOURSELF



Get your free demo license at:
www.avl.com/cameo



AVL CAMEO 4™ – MAKES COMPLEXITY EASY

FROM TASK TO KNOWLEDGE ...

Integrated testing solution

Be in full control throughout your complete test field using standardized test setups.

Intuitive test parametrization

Increase user acceptance and maximize first-time-right data quality.

Real-time controllers

Safely operate your engine fast and efficiently independent of your ECU calibration status.

... FROM KNOWLEDGE TO CALIBRATION

Automatic model creation

Understand and analyze the behavior of your engine in one step.

Powerful optimization algorithms

Optimize calibration for different variants and legislations.

Stationary and cycle-based prediction

Full control of your calibration for high efficiency and reduced costs in the calibration process.

FOR FURTHER INFORMATION PLEASE CONTACT:

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