AVL CRETA 5™

Trust your calibration power

Support your agile calibration process with AVL CRETA 5™

AVL CRETA 5™, is a calibration data lifecycle management system designed to manage the calibration of all vehicle control units.

THE CHALLENGE	THE AVL SOLUTION
COMPLEXITY OF CALIBRATION TASKS	
! • High number of mechatronic systems • Growing complexity of engine, transmission and hybrid control functions • Increasing number of labels in areas such as steering, suspension or ADAS-systems	✓ • Simple handling of calibration during the vehicle development process • Traceable integration of xCU parameters throughout projects • Clear overview of calibration maturity • Conflict-free data merging
EFFICIENT CALIBRATION DATA MANAGEMENT	
! • Growing number of vehicle variants • Worldwide distributed calibration teams • Frequent test trips • Collaborations with several partners and suppliers	✓ • Easy navigation through variants • Powerful search functions • Easy distribution of projects among worldwide distributed calibration teams • Advanced data-mining algorithms

AVL CRETA 5™ – SUPPORT YOUR AGILE CALIBRATION PROCESS

Agile development processes have became a fundamental element in the automotive industry over the last years, reaching their way into xCU development and calibration teams. Working with agile methods increases flexibility, enables recognition of errors at an early stage, empowers adaptive planning and allows a fast response to change. AVL CRETA 5™ supports and facilitates your agile calibration process by helping and supporting calibration pilots and calibration engineers to perform their tasks in AVL CRETA 5™ faster and more efficiently.

In the new version of AVL CRETA 5™ we introduce 3 new features which help you achieve your development goals faster than before:

SMART SOFTWARE CHANGE

When xCU SW changes arrive daily instead of monthly, AVL CRETA 5™ supports the calibration manager to save time on assigning new parameters to new engineers and during the takeover of calibration values from one software to the other. This is achieved by smart algorithms where the pains of current calibration pilots are put in the focus of our work to reduce the effort needed for this operations by automatic suggestions and recommendations.

COMPARE AND EDIT

Faster and more agile calibration of many vehicle variants makes it necessary for every calibration engineer to be able to ensure the correctness and traceability of his calibration parameters at any time. Our new environment for comparison and editing enables every calibration engineer to perform quick comparisons, fast corrections of errors and simple "desktop calibration" for parameters where ECU access is not needed.

CALIBRATION REVIEW PROCESS

Work done in shorter cycles and released more often than before also needs new levels of control. Therefore, we introduced the calibration review process which protects the most critical calibration areas by defining a review team and enforces reviews in case violations happen to predefined rules. This ensures robust but fast calibration releases.

The software tool is fit for purpose to develop safety-related software according to ISO 26262.

Discover AVL CRETA 5™ and download your demo license:
www.avl.com/creta

FIND OUT MORE

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