

AKNA

PASSION FOR
TECHNOLOGIES

ON-BOARD DIAGNOSIS FOR PASSENGER VEHICLES

MONITORING OF EMISSION-RELEVANT SYSTEMS AND COMPONENTS

As a development service provider in the automotive industry we are committed to the current and the particularly future legal demands of the on-board diagnostic system (OBD) in the development of different automotive concepts.

OVERALL SYSTEM ROBUST AND LEGALLY COMPLIANT

The work of our engineers in developing, integrating, and applying has been increasing in complexity ever since legislation regarding on-board diagnostics for all emission-relevant systems and components was introduced.

CALIBRATION OF THE HIGHEST STANDARD

It is our aspiration to implement this standard in the overall system for our customers with passion and engagement. We always include all relevant neighboring assembly sections for the calibration in order to comply with the regulations on increasingly complex systems leading to the highest level of quality for solutions that are ready for mass production.

OUR ADDED VALUE

- Reduced development times due to targeted use of specific developmental methods and tools
- Long-standing expertise in interdisciplinary projects
- Access to innovative development and test facilities

SUPPORTING SERVICES

- Implementation and management of engine and vehicle endurance testing
- Organizing and carrying out worldwide test drives
- Certification and homologation
- Specific aging and validation of exhaust gas systems



Automotive



Aerospace



Railway



Energy



Life Sciences



Telecoms



Space



Services and
Informations Systems



Defence



Oil and Gas



Consulting



DEVELOPMENT OF COMPLETE ON-BOARD DIAGNOSTICS ACCORDING TO THE V-MODEL

Our expertise lies in the development, calibration, and validation of all OBD-relevant systems and components considering the involved subsection and the applicability of the specific drive concept.

ADDITIONAL SERVICES

- Interpretation of current and future legal requirements
- Calibration of hybrid-specific monitoring functions
- Fault memory management conforming to regulations
- Ensuring scan tool communication
- Calibration of the components of the high-voltage system
- Calibration of workshop diagnoses to control units and testers
- Setting boundary samples and fault simulation methodology
- Professional database management
- Developing customer-specific application and evaluation tools

