# We are ASAP THE PARTY OF

Our driving force is the automobile – our task is the development of future-oriented technologies. As a development partner to the automotive industry,

the ASAP Group offers comprehensive services with

a focus on the mobility of the future. As an indepen-

combine stability with an innovative mindset. We are

Benefit from our development expertise in the areas

of electromobility, autonomous driving and connecti-

vity. With our five service segments - Electrics/Elec-

tronics, Software, Consulting & Service, Test & Vali-

dation, Vehicle Engineering – our strategic develop-

ment focus is on the future-oriented technologies of

dent subsidiary of the global player HCLTech, we

future-oriented and always have the latest techno-

logies firmly in mind.

the automotive industry.

# get in touch



Do you have any questions or a project you would like to talk about? We look forward to exchanging ideas with you.









asap.de



Jürgen Meyer Director Division Software juergen.meyer@asap.de



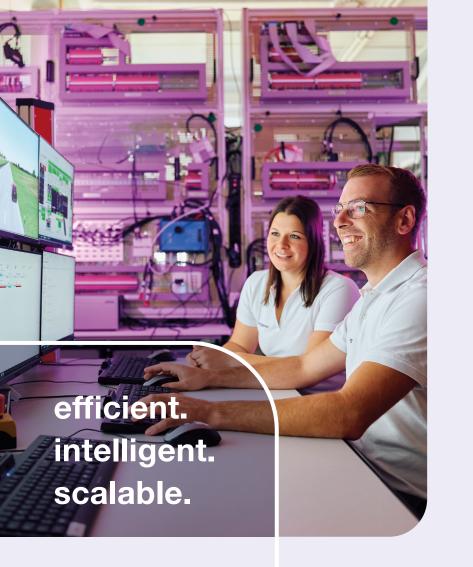
Fernando Buck Manager Division Software | Virtual Validation & Cl fernando.buck@asap.de



Julian Reindl Manager Division Electrics/Electronics | Data Science & Al julian.reindl@asap.de



**ASAP AI solutions** 



### Features and use cases

# Accelerating Automotive Software Development and Validation with Al

ASAP Al solutions are setting new standards in automotive software development and validation, particularly for autonomous driving functions and driver assistance systems. By leveraging generative Al, the need for physical testing is significantly reduced while quality and safety are simultaneously enhanced - proven by over 500,000 virtual test kilometers.

The combination of deep automotive expertise and cutting-edge LLM processes enables scalable, future-proof solutions for the mobility of tomorrow.

#### Al Solutions

- Domain-specific knowledge seamlessly integrated into workflows through self-learning pipelines
- Reduced workload for developers and engineers through Al-driven knowledge transfer
- High-performance LLM with lower costs
- Security aligned with automotive standards, with on-premises hosting
- Robust data security and privacy compliance

#### Al-based Analysis

- Anomaly detection in trace data from HiL and vehicle
  systems
- Monitoring and optimization of fallback operations
- Precise evaluation and actionable insights for field and quality data

#### **Computer Vision**

- Automated component assessment and evaluation—
   20x faster than manual processing
- Test bench automation, including image and object data analysis
- Text and object recognition for camera and sensor data

#### TestSphere Al

- Seamless Al integration in our validation ecosystem
- Enhanced efficiency through automated test case generation
- Al-driven automated requirements analysis

# Key Benefits at a glance

# Faster Development Processes

Automated workflows reduce development time by up to 30%

#### Higher Quality & Safety

Al-driven error analysis and standardized approvals



#### Flexibility & Scalability

Modular architecture for projects ranging from pilot to cloud implementation

#### Future-Proof & Compliant

Regular AI updates, ASPICE/ISO 26262/GDPR compliance, available on-premises or in the cloud