DiagRA® S
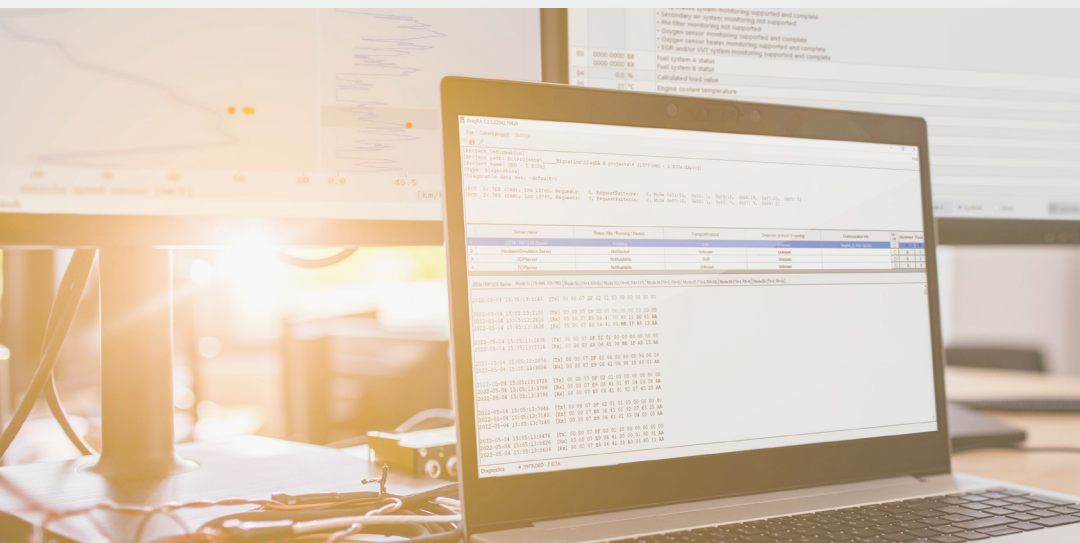
The right solution for pure software based diagnostic simulation

Diagnostic communication without hardware

OBJECTIVE: SIMULATION

Key Features

- Fast creation of simulation models from imported diagnostic log files
- Parallel simulation via multiple interfaces
- Monitoring window for the overview of the running communication
- Integrated support for ISO-TP (CAN, CAN FD), SAE J1939-21, and DoIP (ISO 13400)
- Communication via the supplied RA D-PDU API (ISO 22900-2), DiagRA S J2534 interface, DiagRA S RP1210 or DoIP over Ethernet
- Hardware simulation via active connection to the physical bus

Advantages

- Support for most diagnostic protocols and diagnostic communication interfaces
- Easy execution of the simulation in the clear user interface and as command line applications (e.g. for automated tests)
- User interface for displaying and editing simulation files with optional assistance based on a configured ODX database

SUPPORTED

Standards
SAE J1979, SAE J1979-2, SAE J1979-3, SAE J1939, ISO 27145, ISO 14229, ISO 14230, ISO 13400, ISO 11898, ASAM MCD-2D (ODX), ISO 22901-1

Interfaces
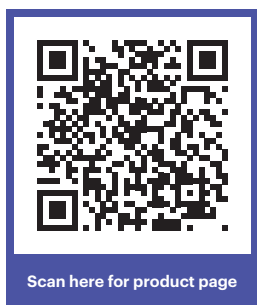SAE J2534 (Pass-Thru), RP1210, D-PDU API (ISO 22900-2)

Physical connection
CAN, CAN FD, K-line, Ethernet

Protocols
OBD, UDS, KWP2000, SAE J1939, SAE J1699

THE RIGHT TIME TO SIMULATE A DIAGNOSTIC COMMUNICATION

Vehicle diagnostics is often a very complex process, consisting of different phases for which different hardware is required, but which is not always tangible. Due to our experience, we know the everyday problems of our customers:

• Diagnostic hardware is used in parallel by different people

• No fast access to the diagnostic hardware

• Technical problems with the hardware

Our DiagRA® S is the solution to these problems.

❯ **DiagRA® S – the simple and reliable solution for simulating most of all standardized diagnostic communication interfaces and protocols.**

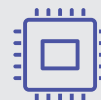## DIAGRA® S - THE RIGHT TOOL FOR RELIABLE SIMULATION

DiagRA® S allows you to perform manual and automated diagnostic application testing and training in vehicle diagnostics - without hardware.

Testing   Trainings   Diagnostic application

DiagRA® S has been designed for a variety of use cases:

• Simulation of one or multiple ECUs

• Simulation without hardware interface (VCI) and without installation

• Diagnostic communication both via the application layer (e.g. UDS) and via the transport layer (ISO-TP, DoIP)

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