Single-Source Testing and Diagnostics

◤ **Remote control of CalDesk diagnostics via AutomationDesk**

◤ **Complies with ASAM-MCD 3D (Version 2.0.1)**

◤ **ODX-based diagnostics**

Diagnostics and hardware-in-the-loop (HIL) testing are brought together in Version 1.4 of AutomationDesk, our test management software. You can now use AutomationDesk to remote-control and automate the diagnostics functionality of CalDesk, our universal measurement and calibration software. This means you have a completely integrated tool chain for HIL testing, ECU calibration, measurement tasks, and diagnostics from a single source, and difficult compatibility problems are a thing of the past.

Diagnostics and HIL Testing Come Together

Successful integration of ECU diagnostics into the hardware-in-the-loop (HIL) testing of ECU software is increasingly important. One reason is that diagnostics software is a vital component of the overall software, and has to undergo the same quality assurance procedures as any other application software. Another reason is that it is an aid to HIL testing: for example,

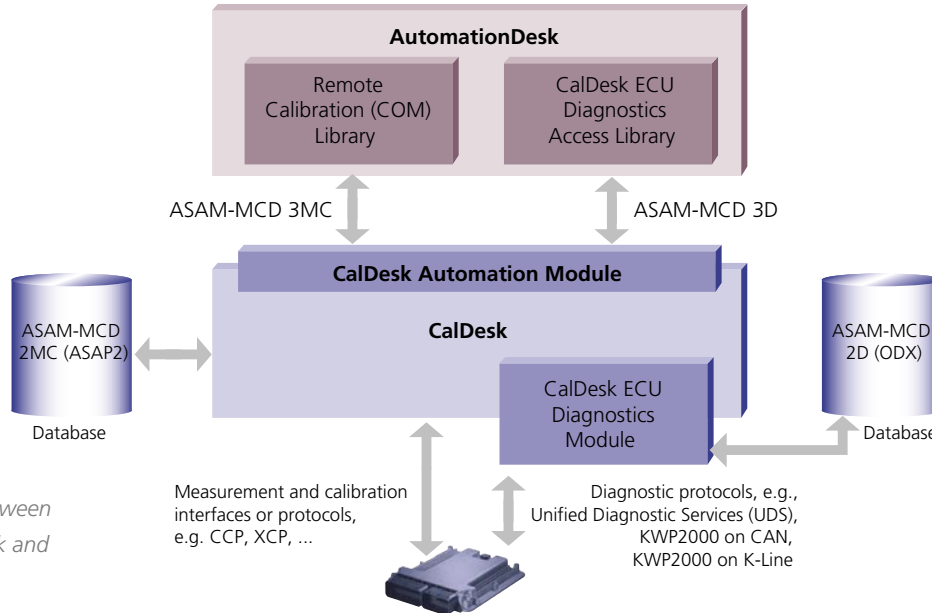### New Remote Control for Diagnostics with CalDesk

AutomationDesk 1.4 can now be used to automate and remote-control CalDesk's ODX-based diagnostic functionality, as well as for automating measurement and calibration tasks as previously. AutomationDesk 1.4 accesses CalDesk via the ASAM-MCD 3D automation interface. You can build test sequences graphically in the familiar way in AutomationDesk, using the new CalDesk ECU Diagnostics Access Library. This is an AutomationDesk library of the blocks needed for automating access to CalDesk's diagnostic functionalities.

▶ Interfaces between AutomationDesk and CalDesk.

All Tools from One Source

By using CalDesk and AutomationDesk, you avoid the difficult compatibility problems that often arise in practice when tools from different vendors have to be integrated. dSPACE

it can be used to automate the reading and clearing of an ECU's fault memory from within a test scenario. AutomationDesk is a standard solution for automated HIL testing that can address a variety of software tools: These include CalDesk, the measurement, calibration, and diagnostic tool; and diagnostic tools such as DTS and EDIABAS from Softing, and VAG Tester and DiagRA from RAConsult.

offers you HIL systems plus measurement, calibration, and diagnostic tools from a single partner, with no complications. The smooth interaction between AutomationDesk and CalDesk is the basis for successful HIL testing.