Device.CONNECT™

Bridge the trust gap

AVL's IoT platform for data-driven business. Providing instant data availability – with highest security standards.

THE CHALLENGE

In today's world, everything is connected. Your phone, your laptop – your whole office. With the push of a button, everything is up-to-date.

How does this look in the context of automotive development? Nowadays, car manufacturers manage a huge variety of different devices from various tool suppliers and vendors, distributed at many different locations around the globe.

And once development is finalized, is that it? What about the vehicle's in-use phase? Why not use the same approach along the entire value chain?

All the while, high security and consistent data exchange across all devices, software, vehicles, etc. are required but difficult to ensure.

THE AVL SOLUTION

The core of Device.CONNECT™ is to interlink the many, globally distributed devices of a company whilst keeping isolated networks unaffected.

Data collected from test devices, test software or vehicles, can be supplied to freely selectable data centers to provide information on their conditions. Conversely, data from one or more data centers can be loaded onto the devices. This kind of distributed intelligence enables exciting solutions, in which the networked devices can be controlled, monitored or maintained automatically via remote access.

The patented technology from Device.CONNECT ensures the highest level of security and helps you to get the most out of your processes.

THE ADDED VALUE

- Enables highly secure, hardware protected connectivity
- Enhances intelligence at your devices with the Smart Hub
- Full control over data exchange
- Highest standards in data transport and theft protection
- No compromises to product safety
- Designed under ISO 270xx/IEC62443 consideration

RDE DATA MANAGEMENT

Customers require instant results and try to keep efforts low. In the context of RDE data management, it is a huge advantage to enable test drivers to stay out in the field when testing and to ensure that they are provided with consistent test data sets. Device.CONNECT permits bi-directional data exchange between your driver and the data center. This allows you to

- Instantly start the post-processing of results
- Keep up with various test drives in parallel
- Avoid expensive trips back to the lab by calibrating in the field

By remotely distributing new campaign data you keep your driver up to date and this with almost no effort.

IN-VEHICLE DEVELOPMENT

When utilizing a test fleet for different tasks during the development phase, it is often required to get your test fleet and all used applications ready for the required test context. This includes updating the software as well as setting the correct parameters and maps within different systems and control units. Furthermore, you can check if the entire fleet, including the used applications, has been set up consistently. With Device.CONNECT we enable you to perform such a task remotely. You and your team are no longer tied to the location of the test fleet you operate. Thus bringing down your costs to a minimum.

SMART SERVICES AND IN-USE PHASE

In addition to your test equipment, your vehicles require service to maintain technical availability during the in-use phase. Along the life cycle, it is often required to update or provide new functions for your devices or vehicles. With Device.CONNECT we have called a solution to life where you can digitize your services in almost any context such as repair, predictive maintenance, lifetime prediction, and many more.

FIND OUT MORE

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