



## RDE Dynamics

A visualization app for RDE route analysis

### THE CHALLENGE

With the new real driving emissions (RDE), the conditions for emissions testing and certification have changed significantly. The route requirements need to fulfill larger criteria such as speed range or driver behavior.

Caused by this increasing complexity, the percentage of invalid tests due to violation of route requirements is constantly growing. Therefore the driver needs several trials to finally reach the required criteria. The new regulations force engineers to adapt their testing methods and technologies to overcome the new RDE challenges.

### THE AVL SOLUTION

The RDE route analysis application provides an online evaluation of the driver criteria for real driving emissions data.

The application provides the driver with a graphical display of the current status for the driver criteria, such as driven distance (urban, rural or motorway), test duration, dynamic behavior or average speed.

For a better visualization, a scalable screen configuration is utilized, including full screen (complete screen is filled criteria requirements) or partial-screen (part of the screen is reserved for user functions).

### THE ADDED VALUE

- Direct visualization to the driver with online graphical information
- Prevent invalid test and save time
- First time right
- Remote control with external device, smartphone connectivity





## FEATURES AND FUNCTIONS

### PLUG AND PLAY

- Easily connect to the application software
- Select the necessary channels
- Press start
- Check on-line criteria



### CONNECTIVITY

- Smartphone used as display device
- Storage of GPS information
- Ghost driver function with GPS



### USABILITY

- Allows rapid interaction
- Touch screen control
- No training needed
- Mobile application for ease of use



### SAFETY

- No need to check the laptop while driving
- Stay safe while doing your in-vehicle calibration
- Secure



## FOR FURTHER INFORMATION PLEASE CONTACT:

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