



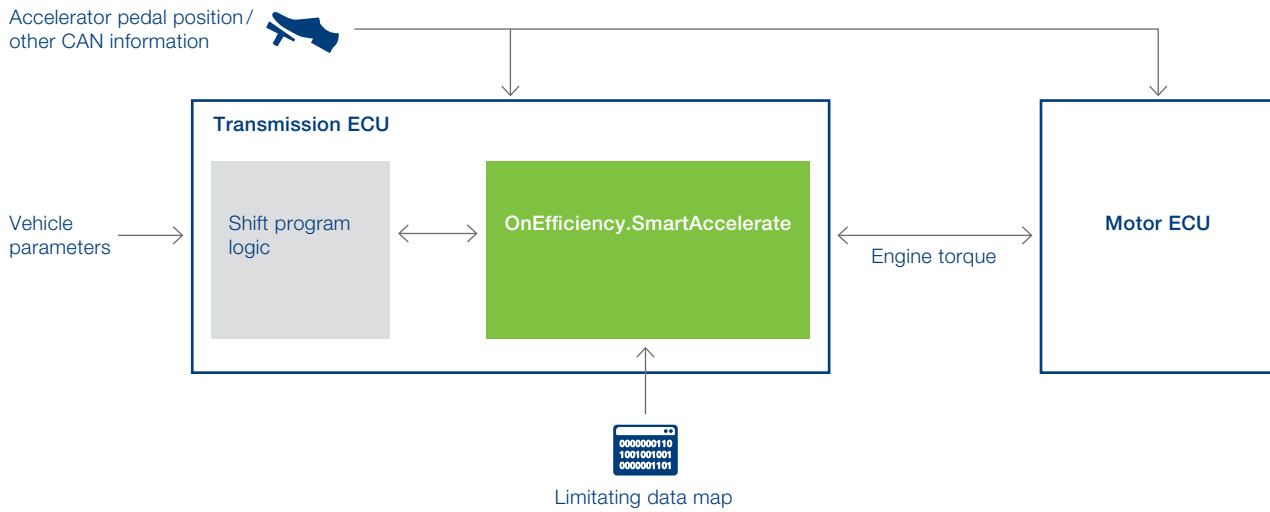
DIWA technology enablement OnEfficiency.SmartAccelerate

For operation managers in local public transport who have to reduce operational cost (fuel consumption as a major cost driver), our OnEfficiency.SmartAccelerate is a software configuration upgrade for your DIWA transmission, which helps to reduce significantly and sustainably fuel consumption.

Unlike today's configuration that gives the driver full control over the maximum power of the bus, OnEfficiency.SmartAccelerate is dynamically limiting the maximal admissible engine torque depending on the actual surrounding parameters.

Due to domain knowledge in driveline and local public transport operations we know which maximum power is needed in which drive situation. This results in a significant reduction of fuel consumption.

Technical description



OnEfficiency.SmartAccelerate limits the engine torque emitted via CAN, in order not to exceed a given vehicle acceleration. To achieve this, OnEfficiency.SmartAccelerate defines for each DIWA shift program a specific data map with the acceleration limit in relation to the vehicle speed range.

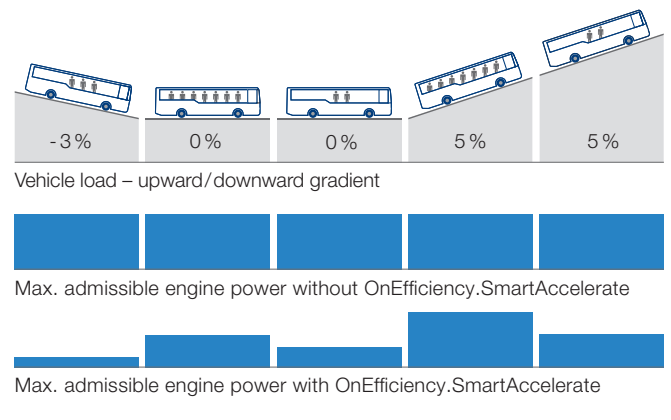
Main input parameters are vehicle speed, topography and vehicle acceleration. In addition there are further auxiliary parameters:

- Vehicle weight
- Tire size
- Transmission ratio
- Acceleration pedal position
- Engine parameters

Installation OnEfficiency.SmartAccelerate

- Update to relevant corresponding DIWA software version
- Configuration of data map in DIWA control unit

Please check our compatibility list for your individual vehicle.



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