

### Special services

- Determination of acoustic behavior/limit values in the target vehicle
- Tracing of the transmission chains, starting from the target noise in the vehicle via the evaluation of sensitivities of the transmission behavior up to the permissible excitation by the power unit / validation by analyses of available measurement data or via simulation
- Definition of a set-up on the power unit test bench with vibro-acoustic measured variables at all relevant interfaces between power unit and vehicle (dyn. forces, vibrations, gas dynamics/pulsation, airborne noise) incl. customer-relevant operating conditions
- Pilot test series with units from predecessor vehicles to verify / optimize the new specification
- Final definition of test specification and limits after first application to new test items