Function Implementation and Automation of a Test Bench for Vehicle Air-Conditioning

As part of the IDP, the function range of the climate test bench is to be expanded. For this, it is necessary to get use with the software CANoe. The aim is to realize all the functions of a vehicle air-conditioning. Subsequently, a Simulink model will be set up to automate the climate test bench. For this purpose, a connection to the PLC control must be established. At the end of the IDP, the test bench should be completely controlled by a Simulink-Model.

Requirements:
- Advances knowledge in programming with C++
- Knowledge in the field of vehicle-/bus-systems (CAN)
- Good knowledge and practical experience with Matlab/Simulink
- Careful and responsible way of working

Start: flexible
Tender: 05.04.2019