

operation name: **Development and modularization of a universal test bench solution for test benches in the automotive and rail area**

operation summary: The test bench solutions of Berghof Automation GmbH offer a large degree of individuality, even though numerous hardware and software elements are repeatedly used. In order to optimize resources and costs in the future, it is essential to standardize all test bench solutions.

The aim is to develop existing hardware solutions and LabView software modules in such a way that complete reusability can be provided. This enables universal use, so that hardware and applications just need to be configured, thus reducing the programming outlay.

The hardware and software architecture should be designed so that they can be used in simulation and real-time environments, providing the multithreading capability and multicore support required to realize complex and high-performance testing tasks.

total eligible expenditure (ESF): 42.600,00 EUR

operation start and end date: 01.11.2015 - 30.09.2016

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