

New modern laboratories of the Faculty of Mechanical Engineering are located in the new Science and Technology Park in the new Science and Technology Park in town Roztoky near to Prague.



FACULTY OF MECHANICAL ENGINEERING OF THE CZECH TECHNICAL UNIVERSITY IN PRAGUE

The main partner of the project is the Faculty of Mechanical Engineering of the Czech Technical University in Prague, represented by the Josef Božek Research Centre of Combustion Engine and Automotive Engineering.

The main focus of the Josef Božek Research Centre is research and development of spark ignition engines (gasoline, gas, alternative fuels) and diesel engines for cars and heavy-duty vehicles. Engine research focuses on thermodynamics, internal flow aerodynamics, turbocharging and supercharging of engines, use of conventional and emerging technologies, emission reduction and aftertreatment, engine management by intelligent controllers, engine dynamics and structural strength of components applied to design optimization.

The Centre also provides R&D results for vehicle transmission design and powertrain optimization (mechanical, hybrid and electrical powertrain), vehicle suspension design (including active mechatronic elements and their control), body aerodynamics and passive safety issues.

Other important partners in VTP Roztoky:



Czech



TÜV SÜD CZECH S.R.O.

EATON ELEKTROTECHNIKA S.R.O