

Project name:	Development of systems for testing multiphase flow and combustion with the aim of increasing the research activities of the scientific and business sector
Description:	The use of fossil fuels in the transport sector is one of the most important culprits for the negative impact on the environment and the acceleration of climate change. Reducing harmful emissions and improving combustion processes therefore imposes itself as an important task on the way to reducing energy consumption and pollutant emissions, where research into the phenomenon of spray and alternative fuels is of great importance. This project will establish laboratories for research and development of such technologies with the aim of regional development, connecting the scientific and business sectors and indirectly reducing environmental impact.
Webpage:	https://tiny.one/FSBRESIN
Source of finances:	European Regional Development Fund, Investing in Science and Innovation
Beneficiary:	Faculty of Mechanical Engineering and Naval Architecture
Partners:	Faculty of Electrical Engineering and Computing, Faculty of Chemical Engineering and Technology, Mechanical Engineering Faculty in Slavonski Brod, Faculty of Metallurgy
Project budget:	6.718.015,02 HRK
Duration:	January 2020. – January 2023.
Location:	Zagreb, Slavonski Brod, Sisak
Target groups:	Scientific research institutions, industrial sector, education sector
Objectives:	<ol style="list-style-type: none"> 1. Establish cooperation between the university and the economy and provide support for product development through experimental and computer research. 2. Build the capacity of the scientific research group for the development of engineering systems of multiphase flow and combustion in order to adapt to climate change by developing plants for the synthesis of biofuels, laboratories for multiphase flows, laboratory for spray and combustion processes and computer laboratory. 3. Increase the visibility of laboratories and research and development potential for future cooperation between universities and the economy.