

Project name:	Modeling and optimization of energy efficiency in thermotechnical systems with renewable energy sources
Description:	The aim of this project is to advance the University through by promoting research and development of a new methodology to optimize the energy efficiency of thermotechnical systems using renewable energy sources. Through applied research, the project team aims to create innovative solutions that reduce the peak load of the electricity grid and control the overall consumption of electricity and gas.
Webpage:	
Source of finances:	University of Slavonski Brod
Beneficiary:	University of Slavonski Brod
Partners:	
Project budget:	2.650,00 eura
Duration:	1.10.2023. -30.09.2024.
Location:	Slavonski Brod
Target groups:	Scientific research sector with a tendency to spread the idea of rational energy use through the application of renewable energy sources; the industrial sector, especially, the industry of refrigeration and HVAC systems and the students of the Mechanical Engineering Faculty, who will participate in activities such as student projects, workshops to promote their development and participation in scientific research.
Objectives:	<ol style="list-style-type: none"> <li>1. Building the capacities of the scientific research group of the Department of Energetics for model development and optimization of thermotechnical systems with renewable energy sources</li> <li>2. Increasing recognition of the research and development potential of the Laboratory for Renewable Energy Sources and Energy Efficiency and the Laboratory for Numerical Simulations for future cooperation between the University and the industry</li> <li>3. Establishing cooperation between universities and industry and supporting the implementation of renewable energy sources through computer research</li> </ol>