



European Union  
Together to EU funds

**Project name:** "Development of innovative systems for the use of geothermal energy sources and energy from biological waste"

Telur d.o.o. in cooperation with the University of Zagreb, Faculty of Mechanical Engineering and Shipbuilding, successfully implemented the Project "**Development of innovative systems for the use of geothermal energy sources and energy from biological waste**".

The project is focused on the development of an innovative product resulting from research and development activities, and represents an innovative solution that increases the efficiency of the heat transfer system from geothermal sources, based on the increase in the thermal capacity of the pipe for the heat that is transferred in relation to the space being heated or cooled. The second direction of research and development has resulted in an innovative solution in the field of bio-waste composting, in the form of the creation of a prefabricated composter that can be assembled at the point of use from components that simply fit together and connect to each other, and is very suitable for use in urban areas. Within the project, the technological possibilities of creating a

specially developed solution that increases the efficiency of the system of using geothermal energy sources as well as composting solutions for the utilization of biological waste were successfully explored. In accordance with the results of the research, final prototypes were developed that enable application in the exploitation of geothermal energy sources and energy from biological waste.

The project was implemented in the period from September 1, 2020. until December 31, 2023, and was co-financed by the European Union from the European Fund for Regional Development as part of the Operational Program Competitiveness and Cohesion in the total amount of **EUR 1,321,513.72** (HRK 9,956,945.09), while the total value of the project is **EUR 2,005.307.39** (HRK 15,108,988.55).

Link: [www.strukturnifondovi.hr](http://www.strukturnifondovi.hr)

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