

Project Fact Sheet

Project Title **Joint Project: STRAWBERRIES - Solar Thermal Agriculture with Bifacial Collectors for Farming Synergies**

Keywords **Solar Thermal Energy, Insulating Glass Collector, Bifacial Solar Thermal Energy, Agri-Solar Thermal Energy, Heating Networks, Renewable Energies**

Project Details

Project Start	2023	Duration	3 Years
Grant Scheme	Clean Energy Transition Partnership (CETP)	Project ID	03EN6041A
Funding Authority	BMW		
Project Budget	558.391,10 €		
Project Leader	Dr. Christoph Trinkl		
Contact Person	Fabian Feuchter		
Project Partners	Citrin Solar GmbH Energie- und Umwelttechnik, Universidade do Minho		

Description

The STRAWBERRIES project has been established with the main aim of solving the problem of limited space for large-scale solar thermal systems. The consortium focuses on the development of bifacial solar thermal flat plate collectors with two active thermal sides, characterized by cost-efficient production processes, high thermal performance, scalability and flexibility in different environments and applications. The vertical orientation ensures environmentally friendly integration, as it takes up minimal space while maintaining high biodiversity.

The Institute of new Energy Systems (InES) is responsible for the coordination, conception, development and design phases of the STRAWBERRIES project. One of the objectives of the project is to build a demonstration plant. The general requirements as well as the system design are developed by InES. A system model is created with the help of simulations in order to work out an optimal system design. The information gathered will be shared with other CETP projects on an ongoing basis in order to make the best possible use of synergies.