

# Proposal Evaluation Form



## EUROPEAN COMMISSION

Horizon 2020 - Research and Innovation Framework Programme

## Evaluation Summary Report

**Call:** H2020-SMEINST-1-2015\_18-03-2015  
**Funding scheme:** SME instrument phase 1  
**Proposal number:** 685018  
**Proposal acronym:** SEFI  
**Duration (months):** 6  
**Proposal title:** Solar Energy for Food Industry  
**Activity:** SFS-08-2015-1-P

N.	Proposer name	Country	Total Cost	%	Grant Requested	%
1	GREENETICA GmbH	AT	0	-	0	-
	Total:		0		0	

### Abstract:

Solar Energy for Food Industry Proposal for the elaboration of a feasibility study, including a CPVT market study, for the application of concentrated PV-T solar energy and Large Thermal Storage (LTS) as support to the development of sustainable Food Security, through the construction of 2 CPVT demonstration plants in food-processing facilities in southern and northern Europe. Demonstration plants are planned to be built in northern Europe, in the Netherlands, and in southern Europe in Spain. Phase one will submit technical and financial solutions which shall pave the way for phase 2 submission of a final construction project for both demonstration plants. The innovative concept proposed is a Solar Concentration Hybrid Photovoltaic Thermal Cogeneration system using state of the art triple solar cells and a solar tracking device to capture the maximum possible solar energy with a parabolic trough linear concentration. The novelty presented in the project focusses on the food processing industry which is the largest manufacturing sector in the EU with 1,048 billion € turnover and 4.2 million employees busy throughout the European Union. Food processing is a major energy consuming manufacturing sector, which accounts for about 20% of the total EU fossil fuel consumption and the project has the ambition to contribute to the reduction of this resource consumption. The project will work with 4 participants spread over 3 EU countries. All technologies were patented last year. The project will move the novelty from TRL8 to TRL9.

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#### Evaluation Result

**Total score: 13.70 (Threshold: 13.00)**