

## "Solar Reviver"

Solar panel cleaning  
system concept

Kaloyan Georgiev  
Sofia, Bulgaria  
kaloyan@kalatech-bg.com

The project refers to an autonomous robot for cleaning the photovoltaic panels. The concept is a structural body that is attached by wheels to both sides of the solar panel. Cleaning is done by walking the solar panel from end to end.

The main problem tackled is that 20% loss occurs when the panel becomes dirty (dust and environmental pollution).

## "HEAT IT UP"

eng. Radoslav Zhekov Tonev  
Bulgaria  
radoslaw\_tonew@abv.bg

The current proposal is to cut down the consumed energy for water heating by preheating cold water before it gets into the heating unit on a household level. This can be done by using the temperature of the generated wastewater. The proposed solution is to reduce the input energy for heating the potable water by temporarily storing wastewater (water for bathing and washing) in a vessel, before releasing it into the sewer systems.



**FEDERATION OF INDUSTRIES OF GREECE (SBE)**  
Address: 21, 26th Octovriou str., 54627 Thessaloniki  
Country: Greece  
Website: <https://sbe.org.gr/>  
E-mail: [info@sbe.org.gr](mailto:info@sbe.org.gr)

<https://www.engine-hubs.eu/>



The Project is co-funded by the European Regional Development Fund (ERDF) and by national funds of the countries participating in the Interreg V-A "Greece-Bulgaria 2014-2020" Cooperation Programme

The contents of this publication are sole responsibility of the Federation of Industries of Greece and can in no way be taken to reflect the views of the European Union, the participating countries, the Managing Authority and the Joint Secretariat.

# Interreg Greece-Bulgaria ENGINE-HUBs



European Regional Development Fund

## Top 10

### CIRCULAR BUSINESS IDEAS

These are the 10 best circular business ideas, developed under the scope of project Interreg ENGINE-HUBs.

SBE is always next to its members supporting them to promote their ideas!

