

# Decentralized Building-Integrated Solar Water Production Systems

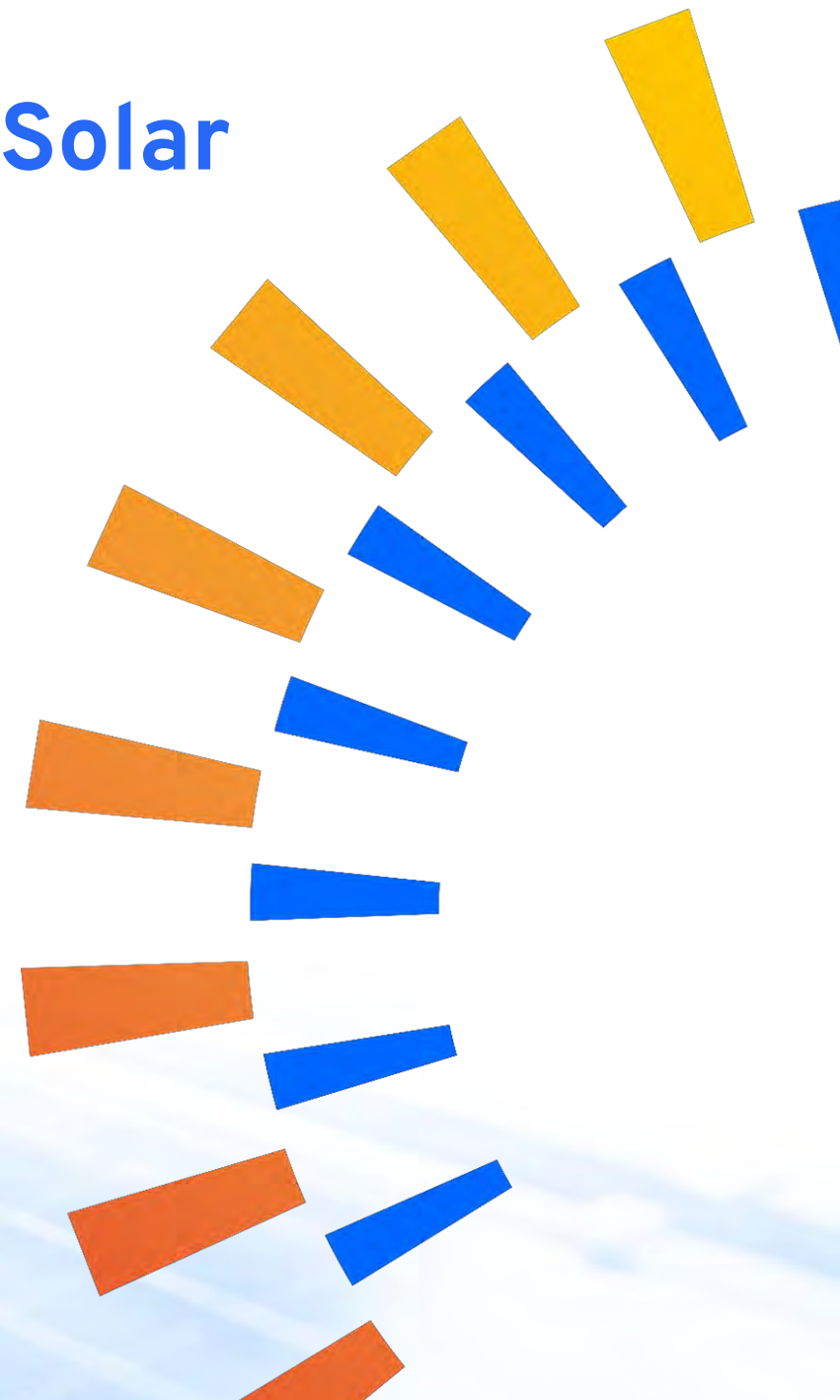


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# Project at a glance

Concept: Water/Energy nexus

Funding organization: Eureka, Eurostars 3 - Call 5

Duration: 2024-2027

## Project goals:

- Develop a novel building façade for sustainable water production
- Utilize solar energy for energy and water production
- Experimental assessment of the proposed product

## Consortium:



Politecnico di Torino (Academics)



MGS (SME)



Sorption technologies (SME)



Solarus (SME)

# Working principale

ATTRACT technology layout integrated into a building



## WPs:

### Conceptual Design

Prototype construction and engineering

Lab-scale experimental test campaign

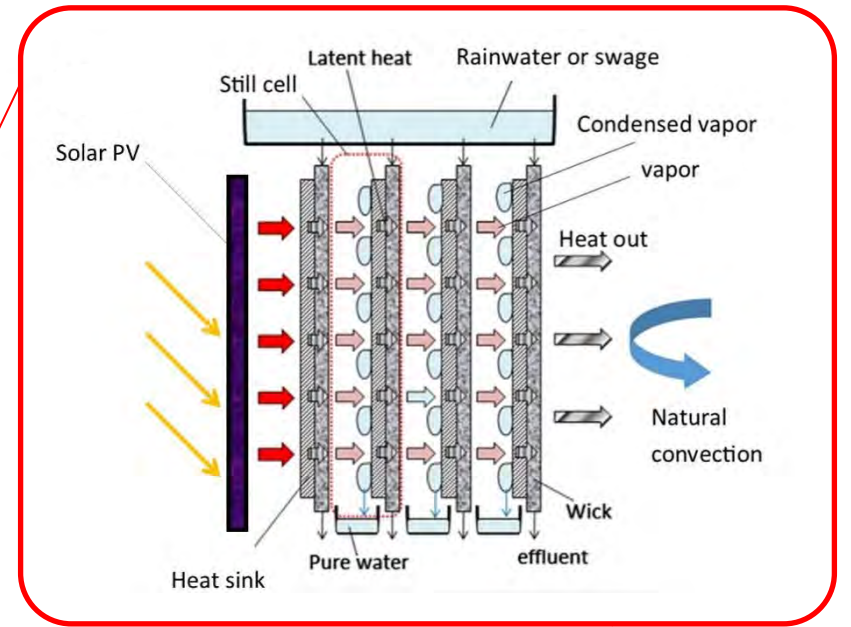
Experimental test campaign of the Integrated Prototype

System performance assessment (LCA)

Project and risk management

Communication and dissemination

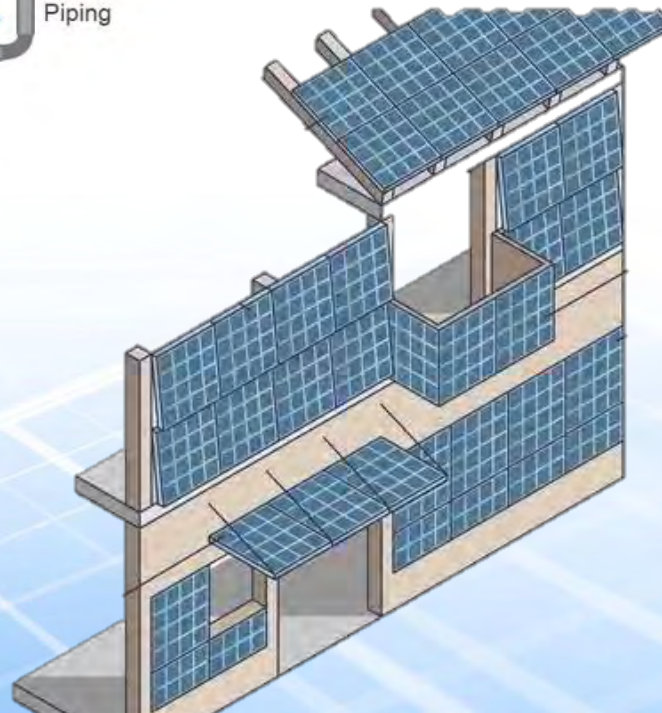
Energy and heat flow diagram



Vertical Multi-Effect Diffusion Solar Still technology

Special features :

- Light weighted, compact design,
- gravity & capillary feeding,
- Using latent heat through several stages,
- Low product and feedwater mixing,
- Ability to be used in passive and active modes





# Thank you!

For more information visit our pages:  
<https://attract-eurostars.com/>  
<http://www.mahtep.polito.it/projects/attract>

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