



Solar Reviver

Solar panel cleaning system concept

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TEAM



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Potential problem



- **Solar panels in the 21st century.**

- **Panel placement and how it affects contamination**

- **20% loss when the solar panel is dirty**

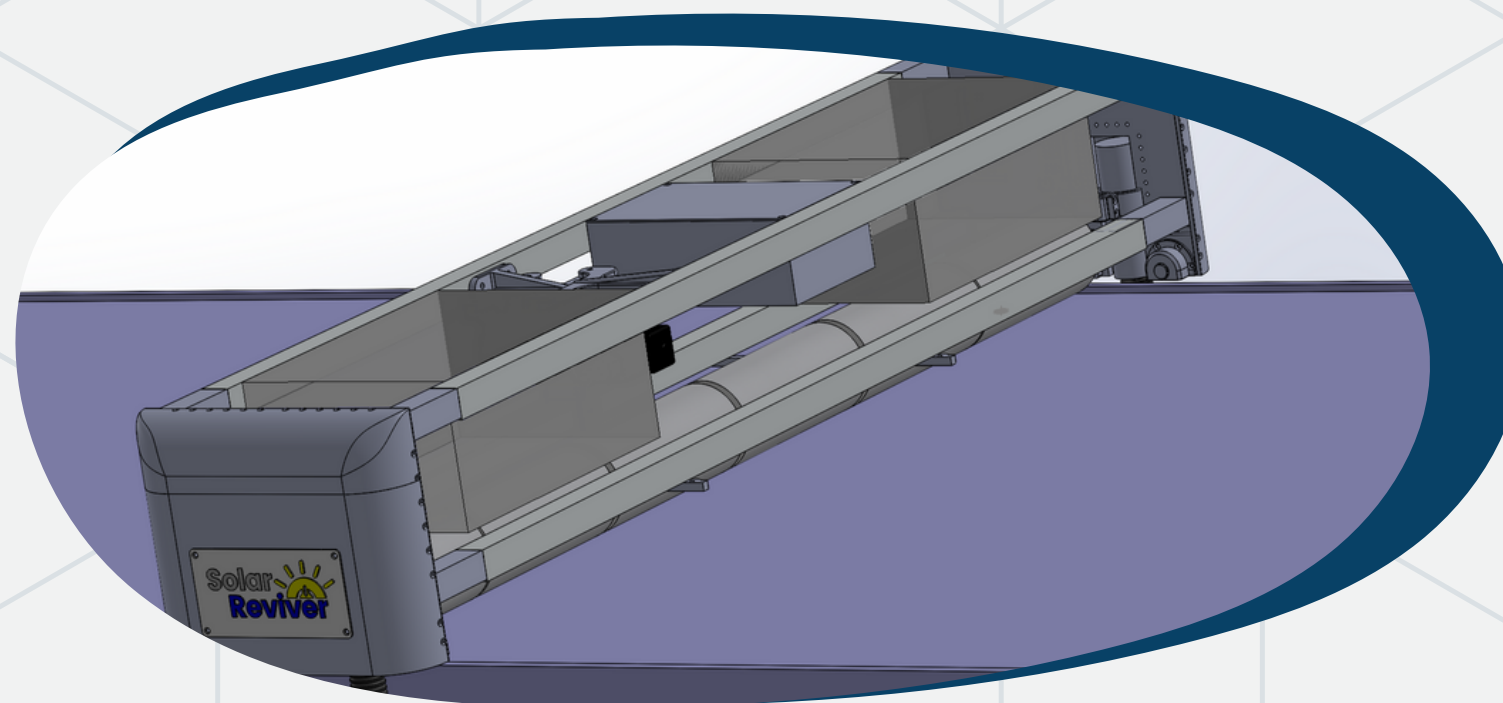
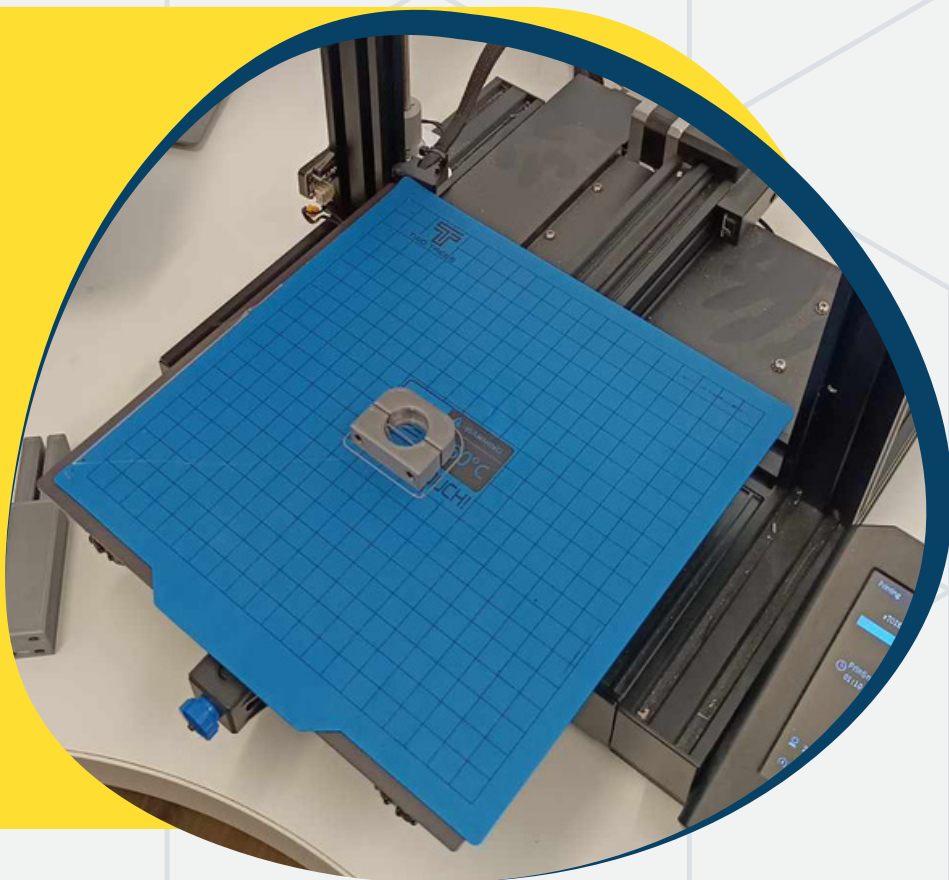
- **Problems that occur when the panel becomes dirty (dust and environmental pollution)**



Our solution and where we started:

- **Autonomous robot for cleaning the photovoltaic panels.**

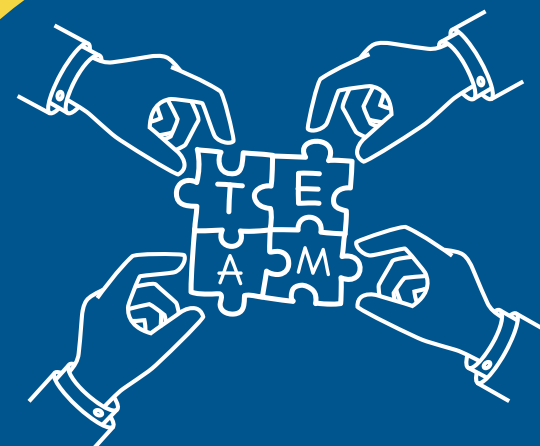
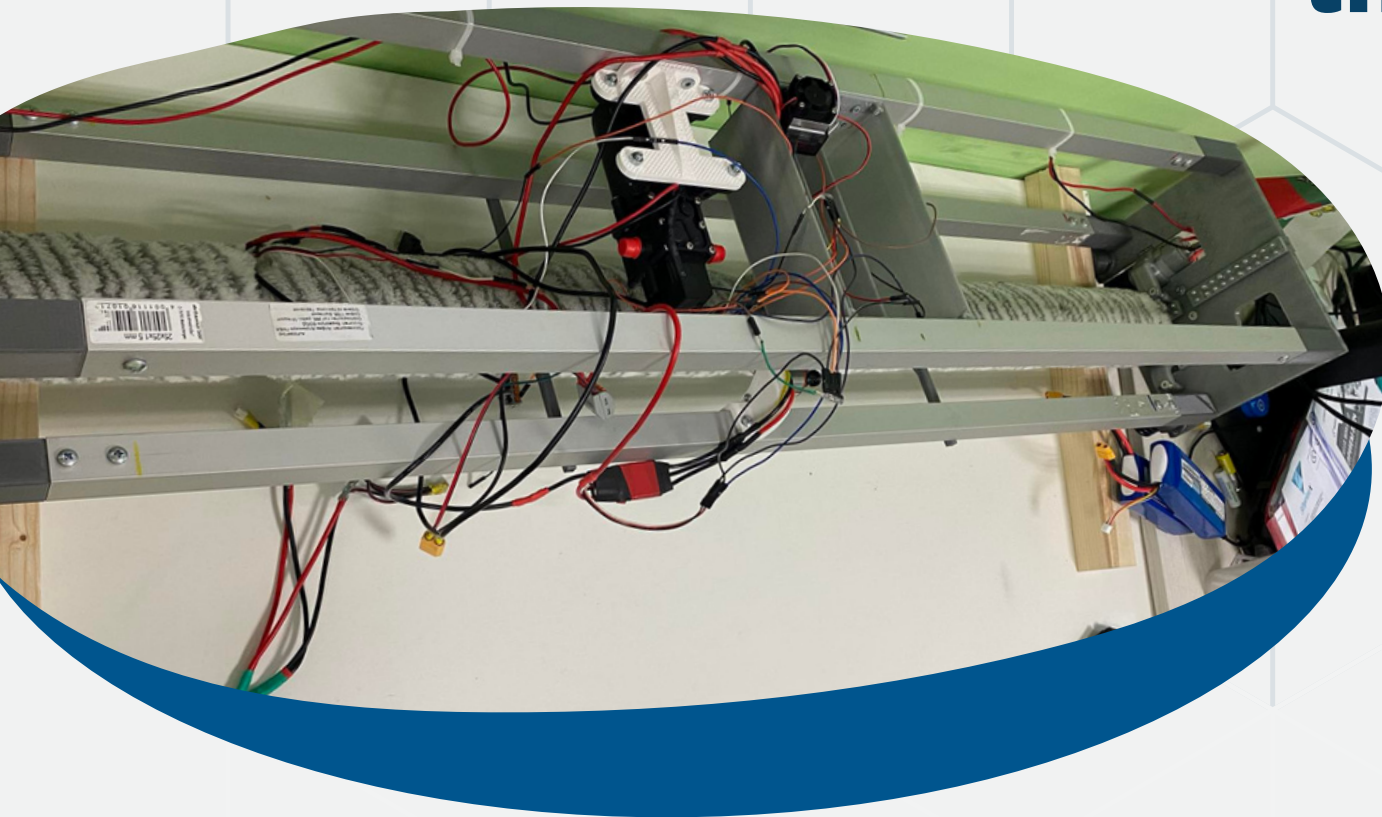
- **The concept is a structural body that is attached by wheels to both sides of the solar panel.**



- **Cleaning is done by walking the solar panel from end to end.**

During the process

- Base structure of the robot and testing it on the panel
- 3D modeled parts for the robot and assembling them
- Placing the sensors that help to recognize the end of the solar panel
- Teamwork and motivation progress



“Solar Reviver” now

- Working prototype
- Business plan
- Meeting with Aurubis
- Press release



 **Aurubis**
Metals for Progress

Business plan



Who is our custom and why?

- Solar park operators
- Under 80% the bank gives a fine
- By social meetings, advertisements and by mail

Price - 1 300 EUR

What do you get:

- autonomous robot
- fully working robot
- different sizes
 - eco friendly

**Price by month
30 EUR**

What do you get:

- monitoring system
- 6 month contract

Social engagements

- We took a part in the scientific conference in Sozopol



- We won first place in the "Green Up challenge"

- We are taking part in "Entrepreneurs in Science challenge"



Time line

**Finalizing the prototype,
building a software
application**



**In the next 3 months -
releasing the
prototype**



**Distribution and
connection with solar
park operators**



**After launching - improving
models with greater cleaning
capacity**

THANK YOU.

Solar
Reviver

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