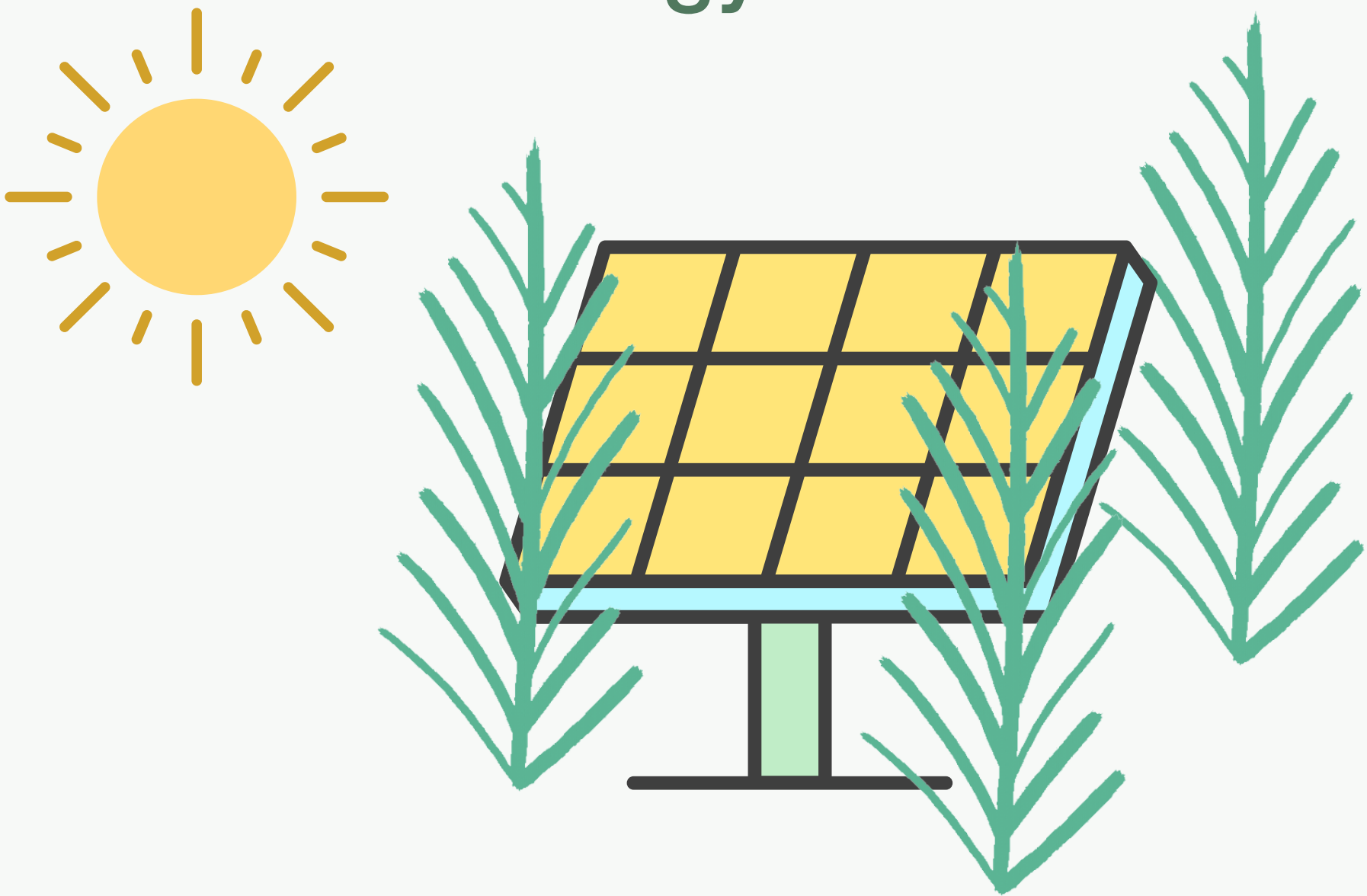
GTL Project

GreenTecLab

"Smart Roofs" Green roofs with solar energy



Let's combine the fight against the growing climate crisis with our activities to improve the quality of life in our cities!

ROOFS CAN BE ADJUSTED

Many urban roofs are suitable sites for producing clean energy with solar panels. And also, if roofs are greened at the same time, they could provide more quality of life in our cities. Particularly during weeks with very high temperatures.

GARDENS AND SOLAR PANELS

Putting a "garden" of plants on the roof helps to lower high temperatures in the building and inside during very hot days. In addition, the plants retain a good part of the rainfall, thus cooling the environment in the vicinity by evaporation.

GARDENS AND SOLAR PANELS

In addition, a green roof can protect biodiversity if it is cultivated with flowering plants that are attractive to birds and insects.

GARDENS AND SOLAR PANELS

At the same time, the roof can also be used for solar panels. In this case, the panels should be placed higher above the ground. So they protect the green roof and provide shade in the summer, too. In almost all EU countries there are currently favourable conditions for installing solar panels on the roof.

PLANT GARDENS

In Spain, for example, solar self-consumption is highly profitable, so that an investment pays for itself within a few years and with a high rentability in the years afterswards.

EMPOWERMENT GREEN

The business model for putting solar panels on the roof could be:
solar self-consumption, only for the inhabitants in the same building or in cooperation with buildings or owners in the neighbourhood.

EMPOWERMENT GREEN

An alternative business model could be to offer the lease of the roofs for photovoltaic installations at the company's own expense, which amortises its investments in selling the solar energy on the electricity market.

Do you know of any green roof initiatives?

If you are interested in learning more, enter the GTL page and get in touch.

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