

WORLD'S FIRST
EXTERNAL VENETIAN BLINDS
WITH BUILT-IN SOLAR PANELS





Dear reader

Since 2015 SolarGaps has been on a mission to make energy free and accessible to all

We are pioneering a method of energy distribution that will power the offices, homes and cities of the future

By exploring innovative concepts and adopting new technologies, we can help move every city closer to Net Zero goals

In my vision one day, the home will not be connected to the grid, the grid will be connected to the home

This radical way of thinking will help to create a more robust, safe, and efficient energy system all over the world

SolarGaps strives to design unparalleled products that are flexible, efficient, safe, and reliable

Together we can create a brighter future!

Yevgen Erik
CEO, SolarGaps

What we offer

SolarGaps is smart blinds that automatically track the sun, producing energy while keeping your building cool

Installed on the outside of homes and offices, our blinds track the sun, providing active shading while generating enough energy to reduce power bills by up to 30%

Customers who install SolarGaps on sunny windows see an immediate reduction in energy costs

The electricity collected from SolarGaps can be fed directly back into the building's electrical grid

Our goal is to make energy generation as simple as possible

Product



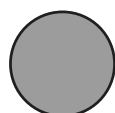
COLOR RANGE



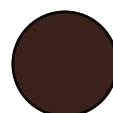
anthracite



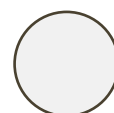
beige



grey



brown



white

Details

SOLAR CELLS SUNPOWER®



- 22.4% EFFICIENCY
- 25 YEARS LIFESPAN
- SELF-CLEANING ETFE COATING
- SWISS ALUMINUM LAMELS
- GENERATES 100 WATT PER 1 SQ.M.

INVERTER



- TRANSFORMS SOLAR ENERGY TO ELECTRICITY
- CONVERTS DIRECT TO ALTERNATING CURRENT
- GLOBALLY CERTIFIED FOR C-ETL-US, SAA, TUV

MOTOR somfy.



- STURDY AND DURABLE
- QUIET OPERATION (50 DB)
- OPERATES FROM -20 TO 70°C
- CONTROLLED BY SOLARGAPS ELECTRONIC MODULE

APPLICATION



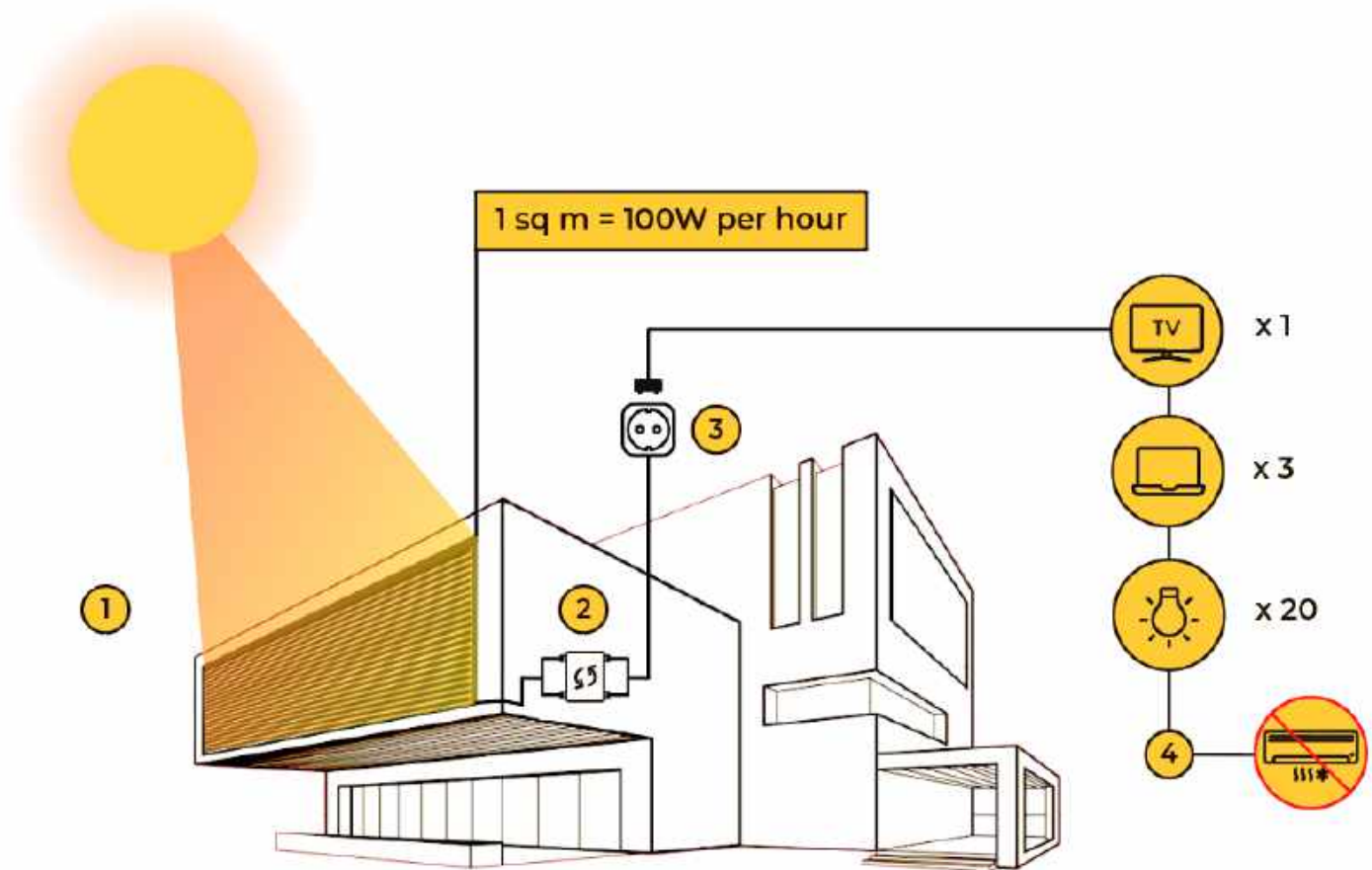
- SUPPORTS IOS AND ANDROID
- SMART HOME INTEGRATION
- REMOTE ACCESS
- PERFORMANCE REPORTS
- VOICE CONTROL

External installation

External shading systems eliminate unwanted solar heat gain, which reduces the use of AC by up to 65 percent and can even provide insulation in winter. According to recent studies, external shading results in decreased energy consumption of the building by at least 30 percent.



Principle of operation



- 1 Solar blinds generate energy from the sun
- 2 Inverter converts energy and sends it to the grid
- 3 You can power different home appliances
- 4 Active shading decreases energy consumption by 30%

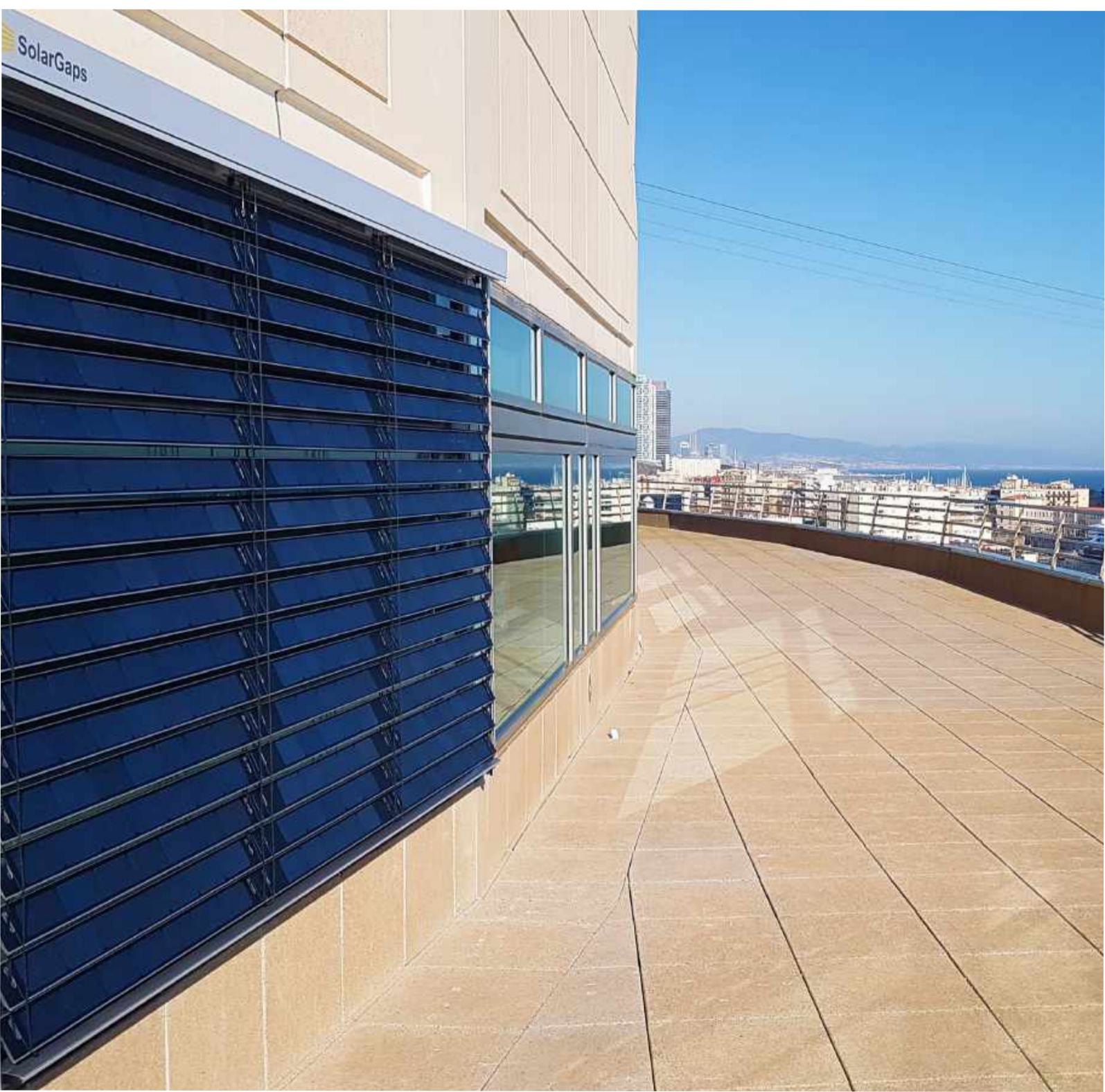
Pilot project Spain

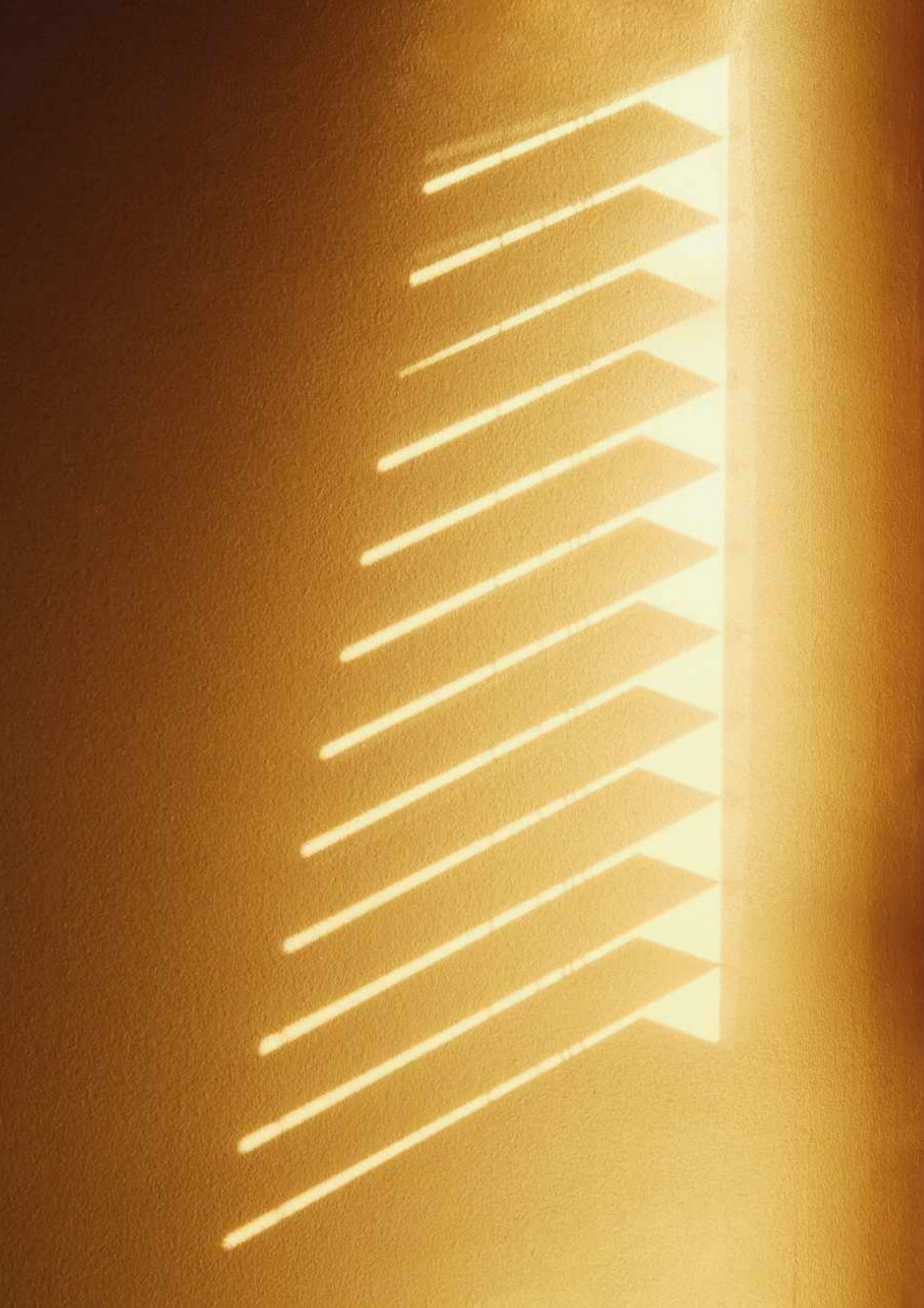
Top floor of the World Trade Center Barcelona

System dimensions: 3010 mm (w) x 1810 mm (h)

Energy generation: up to 530W per hour

Installation type: overhung on aluminium rails





Our core features

PV energy generation

Our smart blinds generate around 100W per 1 sqm during sunny hours, which is enough to charge 50 smartphones, 3 laptops or to power a TV.

SolarGaps can help everyone in taking advantage of photovoltaic energy and reduce their CO2 footprints, even if there is no possibility to mount a solar panel on a roof.

Active shading

SolarGaps automatically adjusts the angle of its blinds for the most effective shading performance and solar power production.

Our smart blinds are mounted on the outside of the building and serve as a heat shield which helps to maintain a comfortable room temperature.

Thus, you can save on your electricity bills up to 30% and reduce your need for air conditioning.

Smart control

You can get reports from SolarGaps and control the blinds with your smartphone. You can even make it a part of your smart home or integrate it into your building management system.

Max efficiency mode ensures the most efficient sun energy capture and shading at the same time.

You can program your smart blinds to adjust to your daily routine and control them remotely from anywhere in the world.



Green Reputation

Improve your company's reputation and get valuable certificates



Electricity Savings

Save costs on electricity bills for up to 30%



Energy Generation

Generate PV Energy to power your main building operations



Energy Friendly Building

Obtain green building certifications: LEED, BREEM



Property Promotion

Attract top-level businesses that value an eco-friendly reputation

Awards & Certificates

SolarGaps

is becoming one of the most recognized names in solar

Our company is actively pursuing partnerships with DGNB, BREEAM and LEED to ensure our solutions are backed by accredited standards worldwide.



The Smarter E

Award for innovations in renewable energy



German Design Award 2020

Design-Premiumpreis des Rat für Formgebung



DGNB

Deutsche Gesellschaft für Nachhaltiges Bauen



BREEAM

Code For A Sustainable Built Environment



SEIA

Solar Energy Industries Association

With SolarGaps, your building can become one step closer to NetZero.



/ solargaps



hello@solargaps.com



solargaps.com

