



PLATIO

**PLATIO  
SOLAR PAVER**

**CLEAN ENERGY  
FROM THE PAVEMENT**





# A PRODUCT WHERE SOLAR MEETS THE DESIGN

**PLATIO SOLAR** is a Hungary-based green tech company focusing on creating sustainable building materials: solar pavers.

The vision of PLATIO solar pavement was coming from three childhood friends, who dared to dream big. They had an innovative idea of creating an aesthetic and useful paver that recycles plastic and generates clean energy at the same time. They founded their start up in 2015, and after winning some startup competitions and an incubator program, soon the idea evolved to a real product. The start up quickly developed, we build up our production plant and by today, we are proud of our results:

**32 tons**  
of recycled  
plastic

**37**  
country  
representation

**30+**  
international  
projects

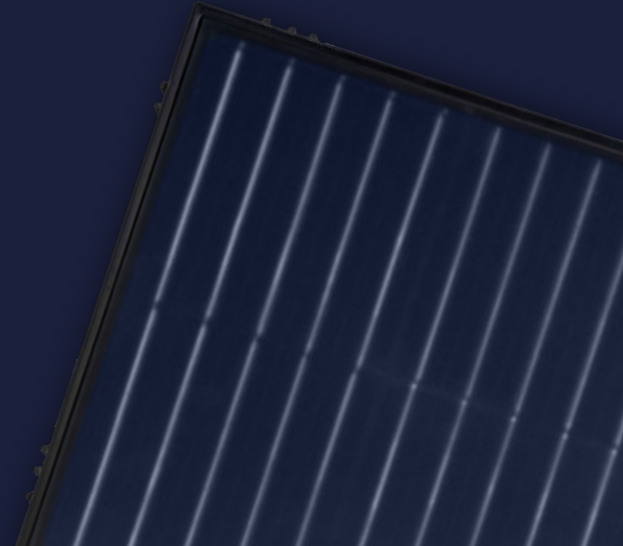
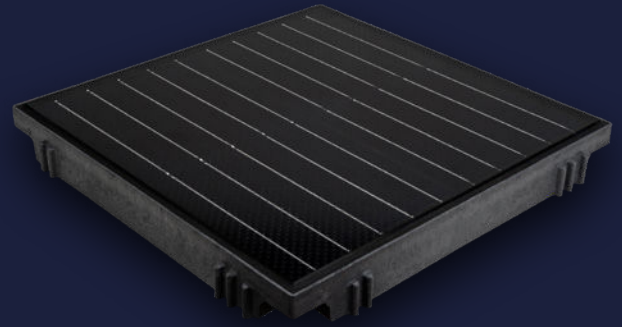
**440000 kWh**  
energy  
generated

**2500 sqm**  
installed  
area

# THE PLATIO SOLAR PAVER

**PLATIO** is an innovative, solar paver that provides clean energy source, also is an eco-friendly product, as its frame is made of recycled plastic. By combining these features, our product is a **double green building material**.

**PLATIO** functions as traditional solar panels, while offering an aesthetic and space-saving solution for areas where conventional solar technologies cannot be deployed.



# OUR SOLUTIONS

**PLATIO** design paving solution makes solar technology part of the modern architecture. It provides new clean energy source for homes, green companies or smart cities and even offers e-mobility solutions.

**PLATIO** solar paver is a walkable, green building material. It was developed to fulfil both aesthetical and energy-efficiency needs of homeowners. Besides the innovative design, this solution allows the owners to produce clean energy and feed it back the house to power the household or the utensils around the house. PLATIO pavers can be placed on:

- driveways,
- paths,
- balconies,
- terraces,
- in the garden.

## HOMES



## SMART CITIES



## GREEN COMPANIES



## E-MOBILITY

# A SUSTAINABLE, GREEN BUILDING MATERIAL

MIDNIGHT BLACK

CLEAR GLASS

OCEAN BLUE

CLEAR GLASS

OCEAN BLUE

OPAL GLASS

MIDNIGHT BLACK

OPAL GLASS

The solar cells are protected by heavy-duty, anti-slip, scratch and impact-resistant glass panels. The load-bearing capacity of the walk-on solar panel surface and the protection of the cables is provided by a robust frame structure.

**PLATIO** solar pavers come with two types of glass and two different solar cells. We have CLEAR and OPAL versions. Both glasses are tempered and have anti-slip surfaces. We use high performance solar cells that available in blue and black colours.

# THE PRODUCT

## SOLAR CELLS

High-performance photovoltaic cells collect the energy of solar irradiance on the level of pavement.

## GLASS TILES

Highly solid, tempered, scratch resistant and slip-proof hardened glass tiles protect the cells.

## MODULAR SYSTEM

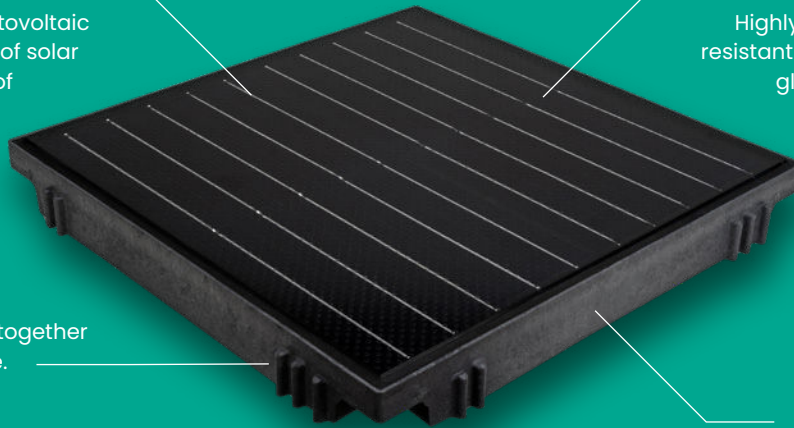
Modular units interlock together creating a solar surface.

## BUILT IN WIRING

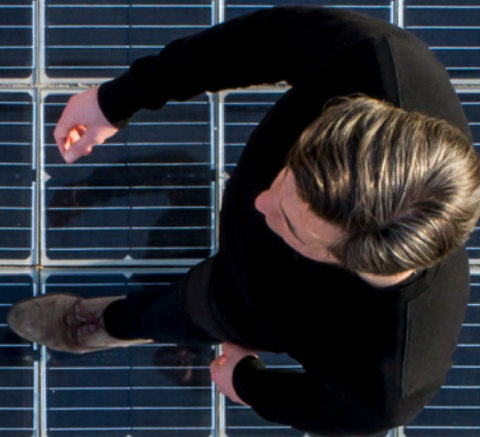
No convoluted complex external cabling needed.

## FRAME WITH RECYCLED MATERIALS

Recycled plastic waste. Durable frame, similar lifetime as concrete.



# PRODUCT BENEFITS



**Double green:**  
produces energy  
and reduce  
plastic waste



**Space-saving  
building  
solution**



**Recycled  
materials**



**Aesthetic  
design**



**Simple  
maintenance**



**Durability**



**Safe  
(SELV system)**



**Quick and  
easy  
installation**

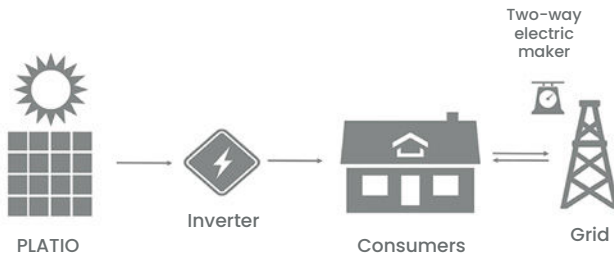
## PRODUCT MAIN FEATURES

- Shock-protection
- Weatherproof system
- Slip-protection
- Bears the weight of cars & heavy vehicles
- Vandal resistance



Our product has undergone several testings and earned the relevant certifications that proves its quality and safety, eg. CE and ISO 9001 certifications. PLATIO owns other certifications as well, for example slip and chemical resistance tests.

# INVEST IN SOLAR ENERGY AND BEAUTIFUL HOME DESIGN



In our solar pavers, high-performance solar cells collect the solar energy radiated onto the surface.

- 1 The clean energy is generated by the PLATIO pavers.
- 2 This DC electricity is inverted into AC and fed to the power network.
- 3 The microinverters are mounted in a switch cabinet, which shall be placed within 15-20ms from the pavers.
- 4 By adding a battery pack to the system, a more reliable power source can be ensured for the household.



# 24/7 REAL TIME MONITORING

Keep track of the solar energy PLATIO paver produces real time from anywhere! With using Enphase Envoy-S or IQ Envoy, you will be able to monitor every detail of your solar pavers in the Enlighten app! Follow your consumption, production or the battery chargedness anytime!



# REFERENCES

We have successfully implemented PLATIO solar pavers in several homes across Europe, all of these produce clean energy.



LOCATION Frankfurt, Germany  
SIZE 40 m<sup>2</sup>  
PERFORMANCE 6.64 kWp  
SOLUTION On-grid – Driveway



LOCATION Kecskemét, Hungary  
SIZE 9 m<sup>2</sup>  
PERFORMANCE 1.7 kWp  
SOLUTION On-grid – Driveway



LOCATION **Balatonalmádi, Hungary**  
SIZE **35 m<sup>2</sup>**  
PERFORMANCE **6.3 kWp**  
SOLUTION **On-grid – Driveway**



LOCATION **Werling, Germany**  
SIZE **12 m<sup>2</sup>**  
PERFORMANCE **2.15 kWp**  
SOLUTION **On-grid – Driveway**



LOCATION **Feblbach, Germany**  
SIZE **5 m<sup>2</sup>**  
PERFORMANCE **0.84 kWp**  
SOLUTION **On-grid – Garden terrace**



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