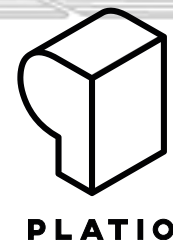




PLATIO SOLAR PAVER

E-MOBILITY BROCHURE



THE NEXT GENERATION OF BUILDING MATERIALS



PLATIO

ABOUT US

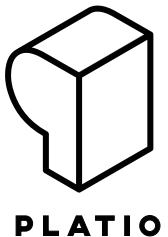
PLATIO Solar is a Hungary-based green tech company focusing on creating sustainable building materials: the solar pavers.

PLATIO's solar pavement is an innovative, **double green** building material, that not only generates clean energy, but it is also **environmentally friendly** as its base is made of recycled plastic.

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.

OUR RESULTS

- ◆ **32** tons of recycled plastic
- ◆ **2500** sqm installed area
- ◆ **440000** kW energy generated
- ◆ **37** country representation
- ◆ **30+** international projects
- ◆ CE product certification
- ◆ ISO 9001 certification



PLATIO SOLAR PAVEMENT



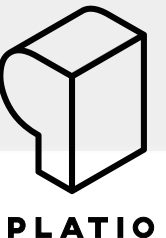
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PLASTIC COMPOSITE MATERIAL

WASTE BECOMES VALUE

Effective recycling: Plastic waste is reused as durable building material in the modular base parts of PLATIO Solar pavers.

Durable material: The composite material in PLATIO Solar pavers have similar life-span than concrete.



PLATIO

WALKABLE SOLAR MODULE

Solar cells

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

Modular system

Modular units interlock together creating a solar surface.

Built in wiring: no convoluted complex external cabling needed

Custom design

PLATIO solar pavers come with two types of glass (Clear and Opal) and two different high performance solar cells (monocrystalline and polycrystalline)

Both glasses are tempered and have anti-slip surfaces. solar cells are available in Ocean blue and Midnight black colours

Glass tiles

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

Frame with recycled materials

Recycled plastic waste makes up the frame.

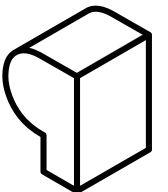
Durable structure, similar lifespan as concrete



Opal Ocean blue



Clear Midnight black



PLATIO

PRODUCT BENEFITS

A space-saving solution

- Solar technology becomes part of the built environment without taking up valuable space

Recycled materials

- PLATIO contributes to creating a sustainable living environment and a greener future.
- To obtain value from waste, the frame of the PLATIO pavers are made of recycled plastic waste.

Visibly green, aesthetic design

- PLATIO improves the public image of your business and supports green CSR goals.
- Solar pavements transforms any building into a landmark of architecture and sustainability.

Low operational complexity

- Simpler maintenance compared to regular roof-mounted solar panels.



PLATIO

PRODUCT MAIN FEATURES

Shock-protection

- Safe for pedestrians
- Low voltage system, SELV
- IP69+ certificated connectors

Heat absorption

- Low heat conduction, polymer coating
- Heats up like concrete surface

Slip-protection

- DIN-certified: R11, R12 and R13 level (DIN 51130)
- Special coating prevents slipping in all weather conditions
- Roughest coating suitable for bike path

Weatherproof system

- IP68 wiring system: 100% weatherproof
- Low degree of thermal expansion



Cars & heavy vehicles

- Primarily designed for pedestrian areas
- Withstands the weight of cars up to 2 tons

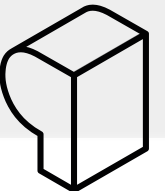
Vandal resistance

- Hardened glass, better impact-resistance than regular pavers

In case of breakage, still suitable for walking

Easy to clean

- Broom
- Pressure wash
- Floor squeegee
- Snow shovel in winter



PLATIO

SUSTAINABILITY

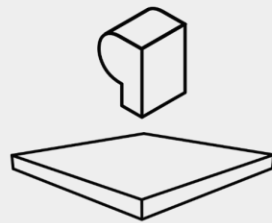
CIRCULAR ECONOMY

- We apply the circular economy approach at all points of production
- The product is 95% recyclable at the end of its life cycle
- During the supply of raw materials, we use wooden containers which are suitable for storing, shipping and multiple reuse.



RECYCLING

- We obtain value from waste, PLATIO's base is made of hard to recycle plastic waste
- PLATIO contributes to creating a sustainable living environment and a greener future.

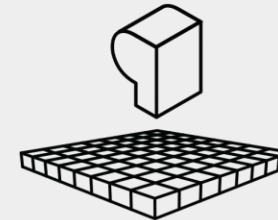


1 m² PLATIO solar pavement

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Plastic recycled equivalent to 400 PET bottles



20 m² PLATIO solar pavement

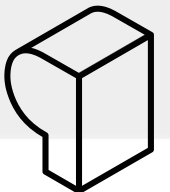
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Yearly average electric energy need of a household

SUSTAINABILITY

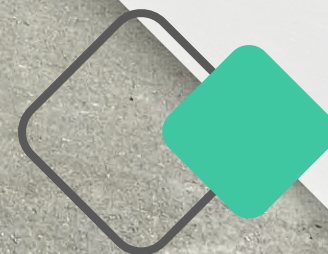
- PLATIO generates renewable energy
- Reduces the global greenhouse gas emissions
- Uses valuable space while producing green energy
- Solution for Net Zero Energy building.



PLATIO



SOLUTIONS



PLATIO

SOLUTIONS



HOMES



GREEN COMPANIES

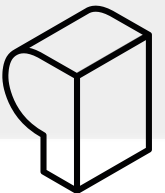


SMART CITY



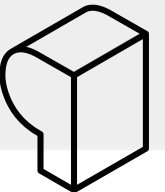
E-MOBILITY

A NEW SOURCE OF **CLEAN ENERGY**

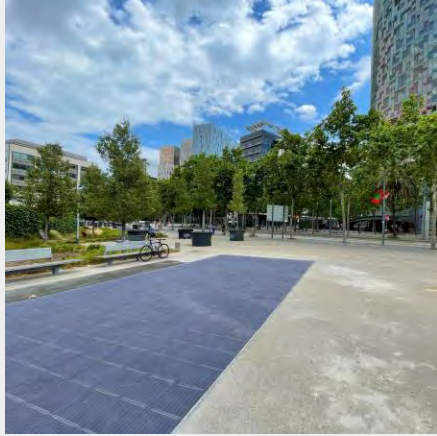


PLATIO

POWERING E-MOBILITY



APPLICATION POSSIBILITIES FOR E-MOBILITY



**BICYCLE / ROLLER
CHARGERS**

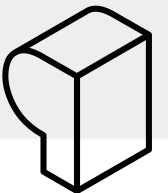


PONTOONS



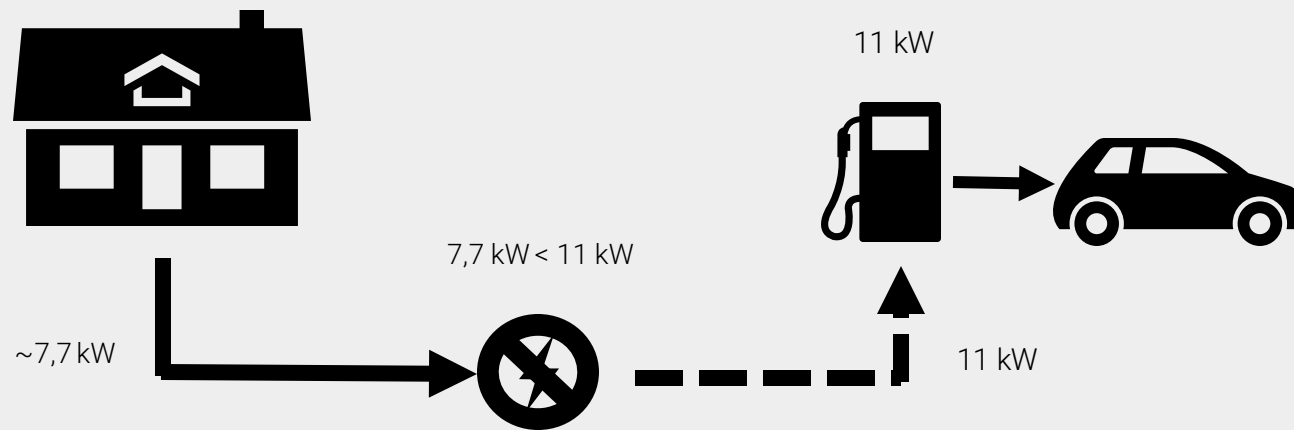
**CAR
CHARGERS**

A NEW SOURCE OF **CLEAN ENERGY**



PLATIO

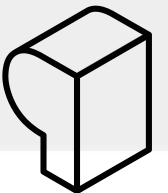
EV CHARGER SYSTEM



We need a local solution to back up the grid.

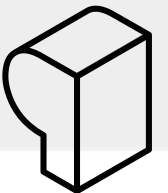
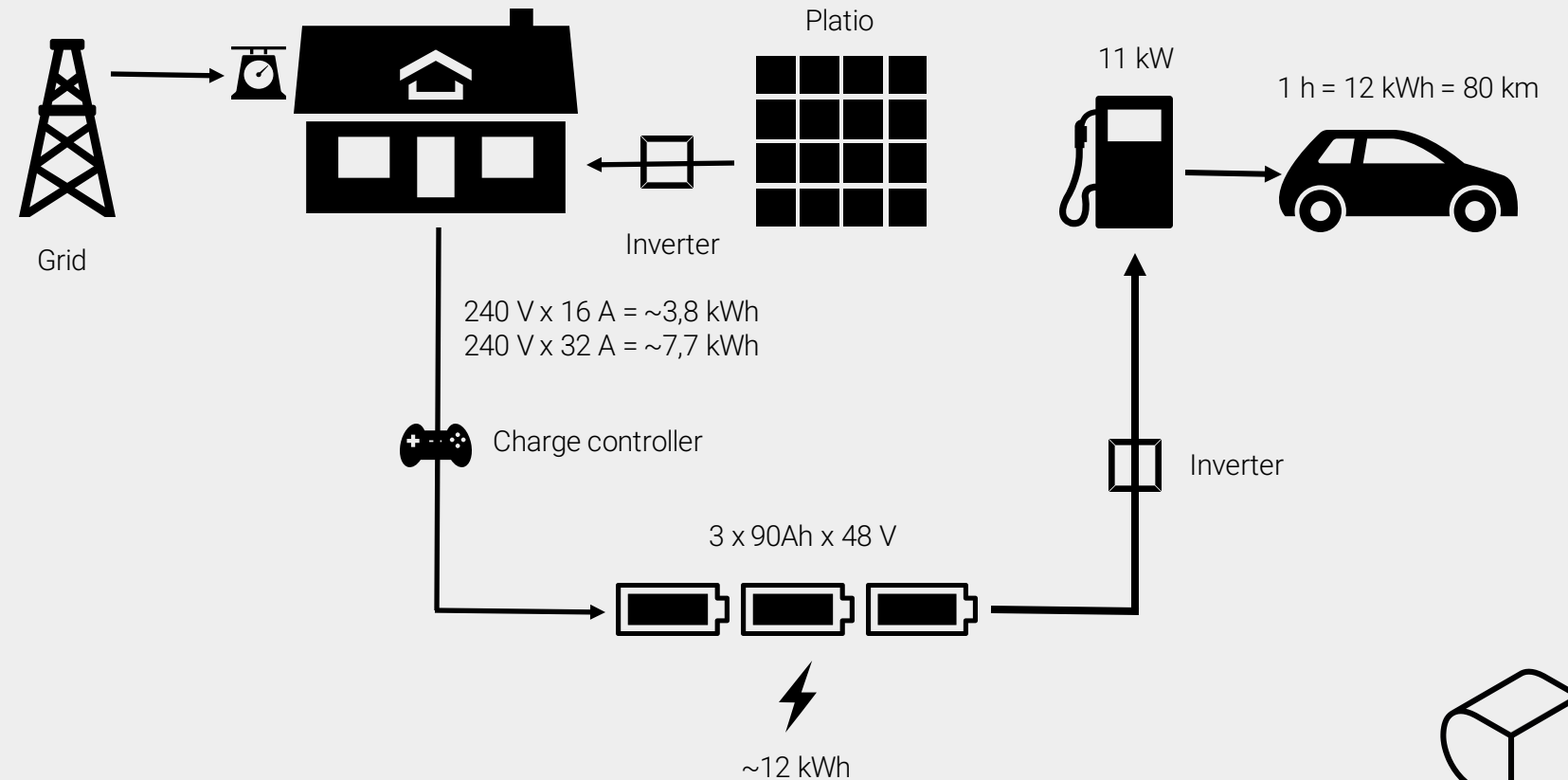
The current utility grid cannot provide enough electrical energy to supply the EV chargers sufficiently.

As e-mobility emerges, the demand for more charging stations will grow soon as well. However, the utility grid infrastructure developments will not be able to keep up with the growing number of these devices.

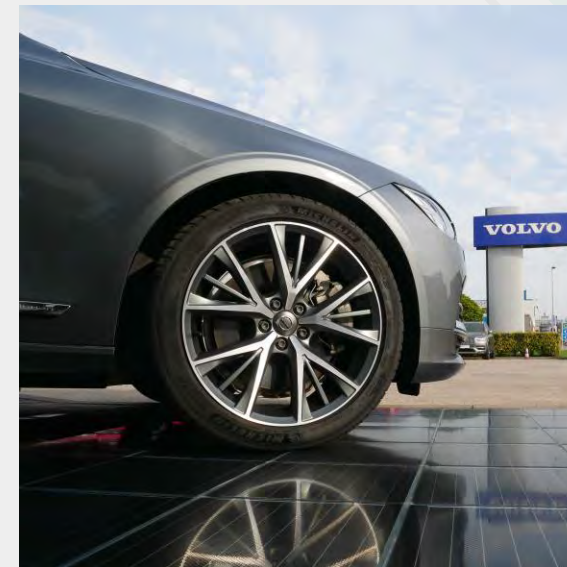


EV CHARGER SYSTEM CONFIGURATION

- 1) The clean energy is generated by the Platio Solar Pavement.
- 2) This DC electricity is inverted into AC and fed to the power network.
- 3) The electricity is stored in the battery pack driven by the charge controller.
- 4) The battery pack ensures reliable power source for the charging station.



E-MOBILITY

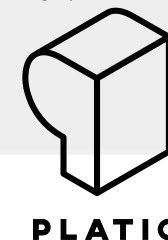


RELIABLE POWER ACCESS WITH PLATIO

The PLATIO Solar pavement connected with charging stations provides a smart, space-saving and local power source to back up the grid and contribute to cleaner e-mobility.

It becomes possible to expand the charging station network, and to establish charging points in shopping centers and public areas by using the energy generated by the paving.

The PLATIO Solar Pavement system can be connected to the home EV charging station as well. This provides actual clean energy for your electric car directly or through a battery system.



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E-MOBILITY



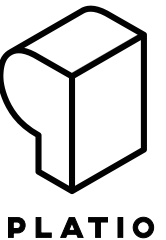
REFERENCE: BARCELONA, SPAIN

Size: 56 sqm

Performance: 9 kWp

Client: Barcelona City Council

In 2021, one of our most impressive public installations was commissioned by the Barcelona City Council to place 56m² of PLATIO solar pavement in the Glòries park, where an electric bike charging station is powered by PLATIO. This off-grid solution will help the city in its attempt of becoming carbon neutral.



E-MOBILITY



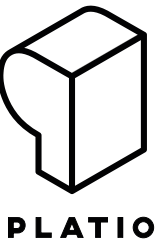
REFERENCE: BARCELONA, SPAIN

Size: 4,5 sqm

Performance: 1 kW

Client: Yupcharge

At the entrance of Westfield la Maquinista, Barcelona's largest shopping centre, you will find the first PLATIO powered scooter charger! The PLATIO bricks are solar-powered at Yupcity's charging stations, which charge the scooters with green energy. Our first micromobility project to charge electric scooters with green energy, making public transport sustainable.



E-MOBILITY



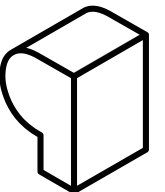
REFERENCE: BUDAPEST, HUNGARY

Size: 4.62 sqm

Performance: 0.72 kWp

Client: Prologis Hungary Kft.

In 2017, a 4.62 m² large system was installed in the parking lot of Prologis in Budapest. Our aim was to increase the rate of green energy in the energy mix and fuel cars with clean energy.



PLATIO

E-MOBILITY



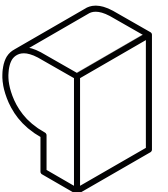
REFERENCE: BUDAPEST, HUNGARY

Size: 4 sqm

Performance: 0.8 kWp

Client: Volvo Galéria Budapest

At Volvo Galeria Budapest 4 m² PLATIO supports the charging of electric vehicles. The system is an on-grid system with the performance of 0.8 kWp which was installed in 2020.



PLATIO

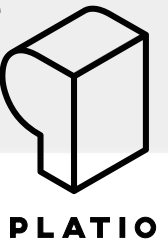
E-MOBILITY



CLEAN SEA, CLEAN ENERGY

Supply clean energy for boats and marinas, by integrating solar pavers on the pontoons.

Utilize solar radiation absorbed by the pontoon's surface with the help of Platío Solar Pavers. The clean energy generated during sunshine hours can be used to provide the marina and the boats with clean energy.



E-MOBILITY



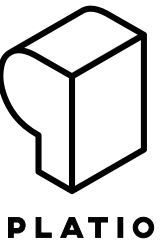
REFERENCE: GOTHENBURG, SWEDEN

Size: 4.86 sqm

Performance: 0.76 kWp

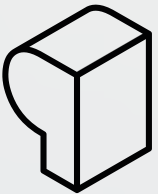
Client: SF Marina System

In 2017 Swedish marina engineer company SF Marina System AB partnered with PLATIO to develop the first solar pontoon.





PLATIO RESELLERS WORLDWIDE

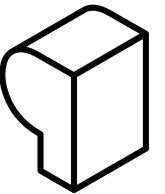


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PLATIO RESELLERS WORLDWIDE



■ PLATIO resellers worldwide



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CONTACT INFORMATION



PLATIO



www.platiosolar.com



info@platio.cc



+36703914708



Budapest, Hungary

WALK WITH US, TALK WITH US

