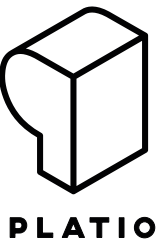




# PLATIO SOLAR PAVER

## GREEN COMPANIES BROCHURE







# THE NEXT GENERATION OF BUILDING MATERIALS



PLATIO

## ABOUT US

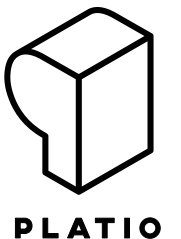
**PLATIO Solar** is a Hungary-based green tech company focusing on creating sustainable building materials: the solar pavers.

**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



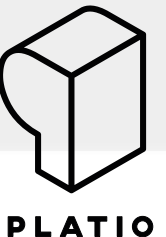
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# PLASTIC COMPOSITE MATERIAL

## 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.



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# 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.

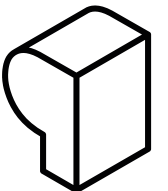
Durable structure, similar lifespan as concrete



Opal Ocean blue



Clear Midnight black



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# 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 is 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.



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# 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

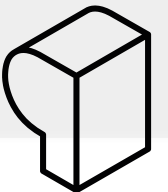
## Vandal resistance

- 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



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# SUSTAINABILITY

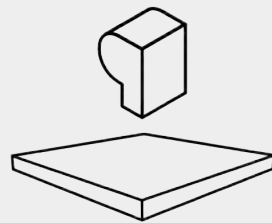
## CIRCULAR ECONOMY

- 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.



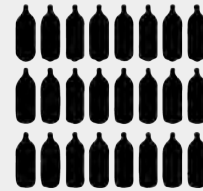
## RECYCLING

- 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.

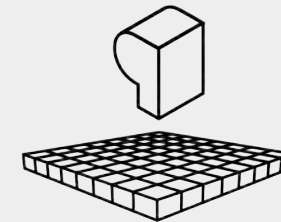


1 m<sup>2</sup> PLATIO solar pavement

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Plastic recycled equivalent to 400 PET bottles



20 m<sup>2</sup> PLATIO solar pavement

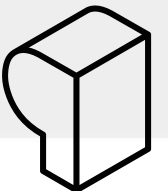
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Yearly average electric energy need of a household

## SUSTAINABILITY

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



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# SOLUTIONS





# SOLUTIONS



**HOMES**



**GREEN COMPANIES**

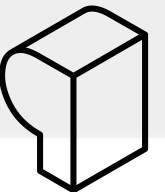


**SMART CITY**



**E-MOBILITY**

A NEW SOURCE OF **CLEAN ENERGY**



**PLATIO**

# APPLICATION POSSIBILITIES FOR GREEN COMPANIES



**BALCONIES**



**ENTRANCES  
AND WALKWAYS**

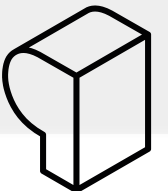


**ROOFTOP  
TERRACES**



**OFF-GRID  
UTENSILS**

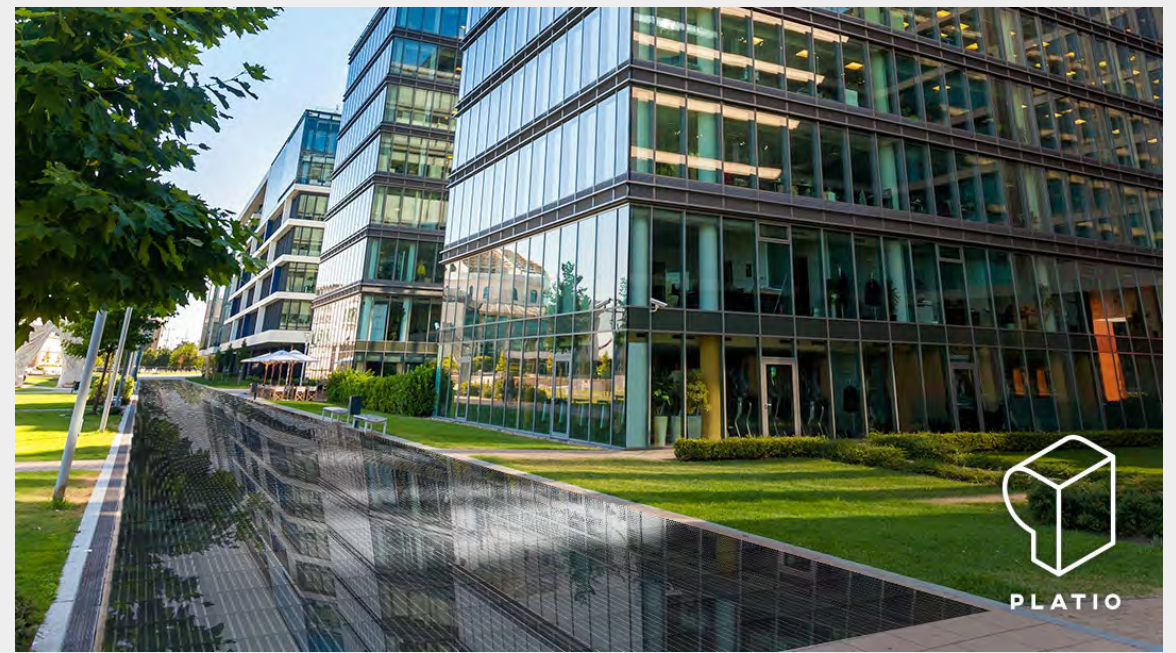
A NEW SOURCE OF **CLEAN ENERGY**



**PLATIO**



## POWERING FUTURE ARCHITECTURE



# GREEN COMPANIES – A NEW WAY TO SUSTAINABILITY

An innovative, unique and attractive BIPV solution to make solar technology part of the building.

The integration of PV technology in buildings (also called BIPV) offers a vast potential: environmental and economic benefits, encouragement of technological innovations, trends towards bioclimatic architecture etc. The possibilities for BIPV are unlimited, since it can be integrated into new or old buildings, car parks, lighting features, canopies, etc. making the most of all the advantages of PV technology.

To comply with new and more demanding building regulations – such as the 2020 EU Energy Performance of Buildings Directive – innovative energy harvesting technologies have to be adopted.

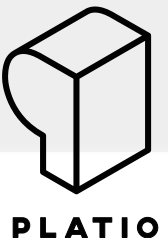
The PLATIO Solar Pavement system is able to deliver significant part of energy consumption and in some cases can be a single solution to achieve Net Zero Energy building (nZEB) status.

The integration of PLATIO solar pavement systems into the surrounding pavements of buildings not only provides inhabitants with low-cost energy but also reduces the global greenhouse gas emissions.

In order to obtain a LEED or BREEAM certification, the architectural choices of the project have to respond to the goal of creating a highly efficient and sustainable building.

A PLATIO Solar Paving System installed at the outdoor area of a building provides an additional green energy source to reach BREEAM and LEED certifications.

As a special building integrated photovoltaic solution (BIPV) for public, commercial or residential buildings, the PLATIO Solar Pavement can be a supplement to existing PV capacities or provide an aesthetic alternative to regular solar panels.



**PLATIO**

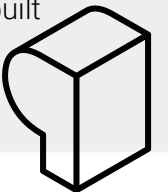


# GREEN BUILDING SYSTEM



CORPORATES  
PIONEERING  
INNOVATION

Consumers and businesses are more receptive to socially and environmentally-conscious companies. Those companies, in turn, are more likely to do business with those who share the same values. PLATIO can not only decrease your business's carbon footprint, but it also improves the public image of your business. Quality, innovation and design also attracts talents and public attention. Technologies like PLATIO can awaken enthusiasm for your business among the best employees and talents. We like to think about PLATIO as a piece of modern art from a future, where green technology is part of our built environment.



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# GREEN BUILDING SYSTEM

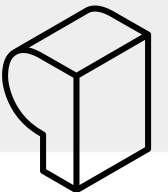
Cover the energy need of your office space with **PLATIO** Solar Pavement.

**100 sqm** office space lightning



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**10 sqm** solar pavement



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# GREEN COMPANIES



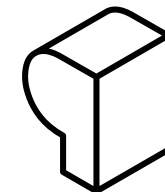
REFERENCE: ASTANA, KAZAKHSTAN

Size: 2 x 40 sqm

Performance: 13.02 kWp

Client: BI Group

In 2017, a 80 m<sup>2</sup> large system was installed at the entrance of the Green Mall shopping centre. The project was part of the Green Quarter urban development in connection with World Expo 2017.



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# GREEN COMPANIES



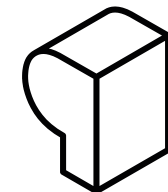
REFERENCE: BUDAPEST, HUNGARY

Size: 2.7 sqm

Performance: 0.44 kWp

Client: Graphisoft Park

In 2021, 21 pcs of PLATIO Solar Pavers have been installed at the garden of the Graphisoft Park. This PLATIO surface supply electricity for a robotic lawn mower.



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## GREEN COMPANIES



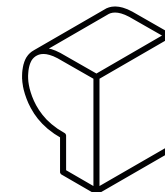
REFERENCE: BUDAPEST, HUNGARY

Size: 4.62 sqm

Performance: 0.72 kWp

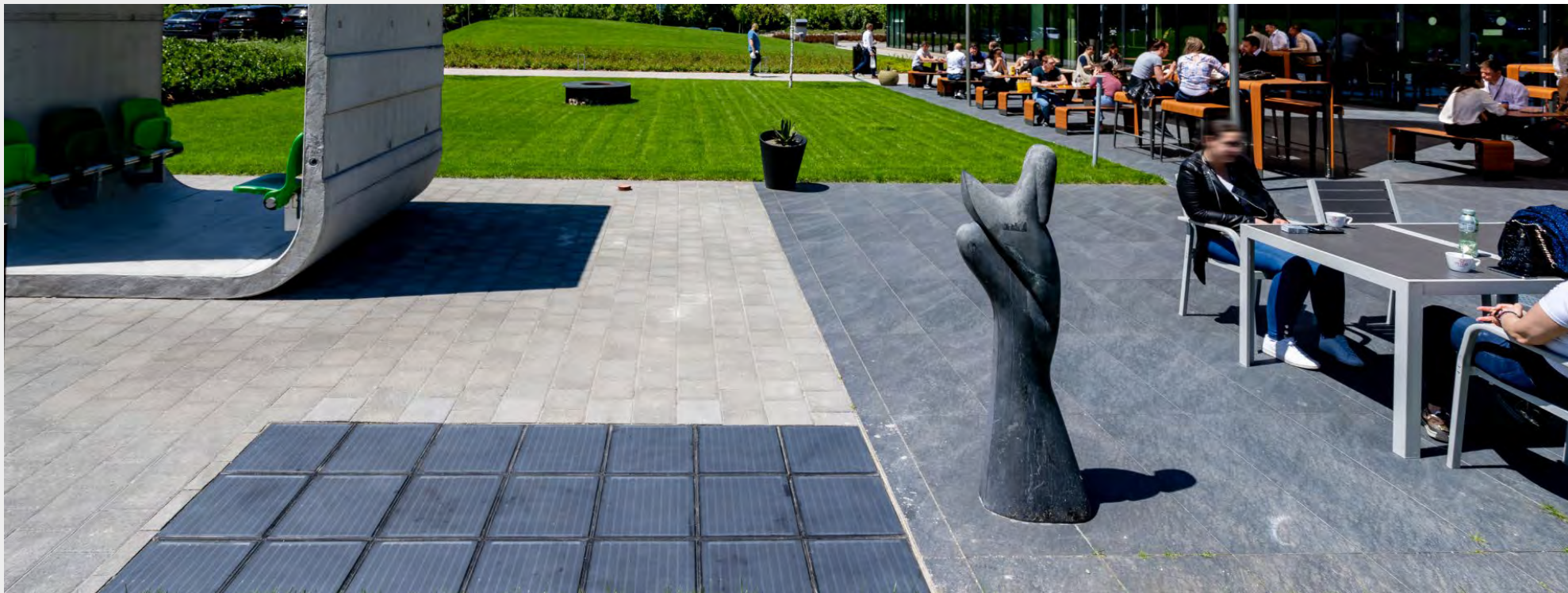
Client: Prologis Hungary Kft.

In 2017, a 4.62 m<sup>2</sup> 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.



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# GREEN COMPANIES



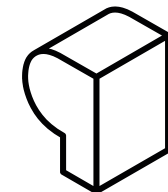
REFERENCE: BUDAPEST, HUNGARY

Size: 2.7 sqm

Performance: 0.44 kWp

Client: Market Zrt.

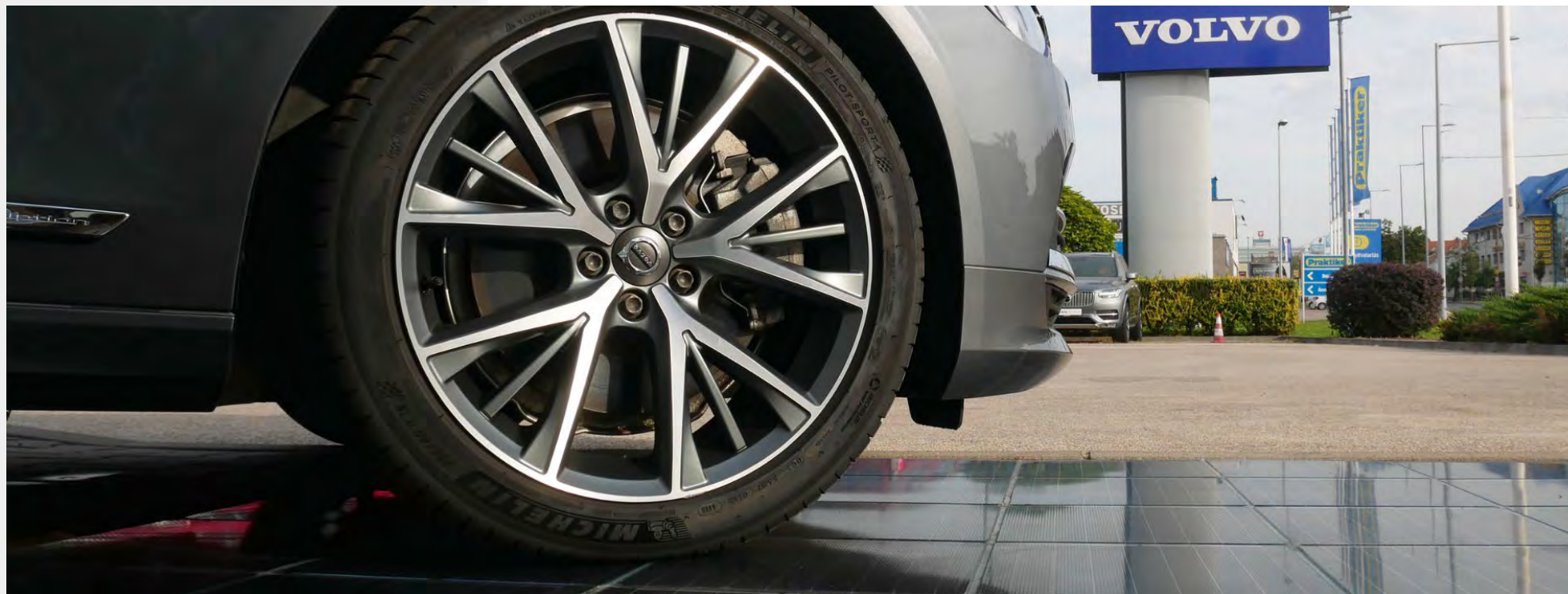
In 2021, 21 pcs of PLATIO Solar Pavers have been installed at the garden of the Head Office of Market Zrt. This PLATIO surface supply electricity for a robotic lawn mower.



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## GREEN COMPANIES



REFERENCE: BUDAPEST, HUNGARY

Size: 4 sqm

Performance: 0.8 kWp

Client: Volvo Galéria Budapest

At Volvo Galeria Budapest 4 m<sup>2</sup> PLATIO supports the charging of electric vehicles. The system is an on-grid system with the performance of 0.8 kWp.



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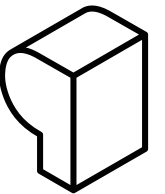
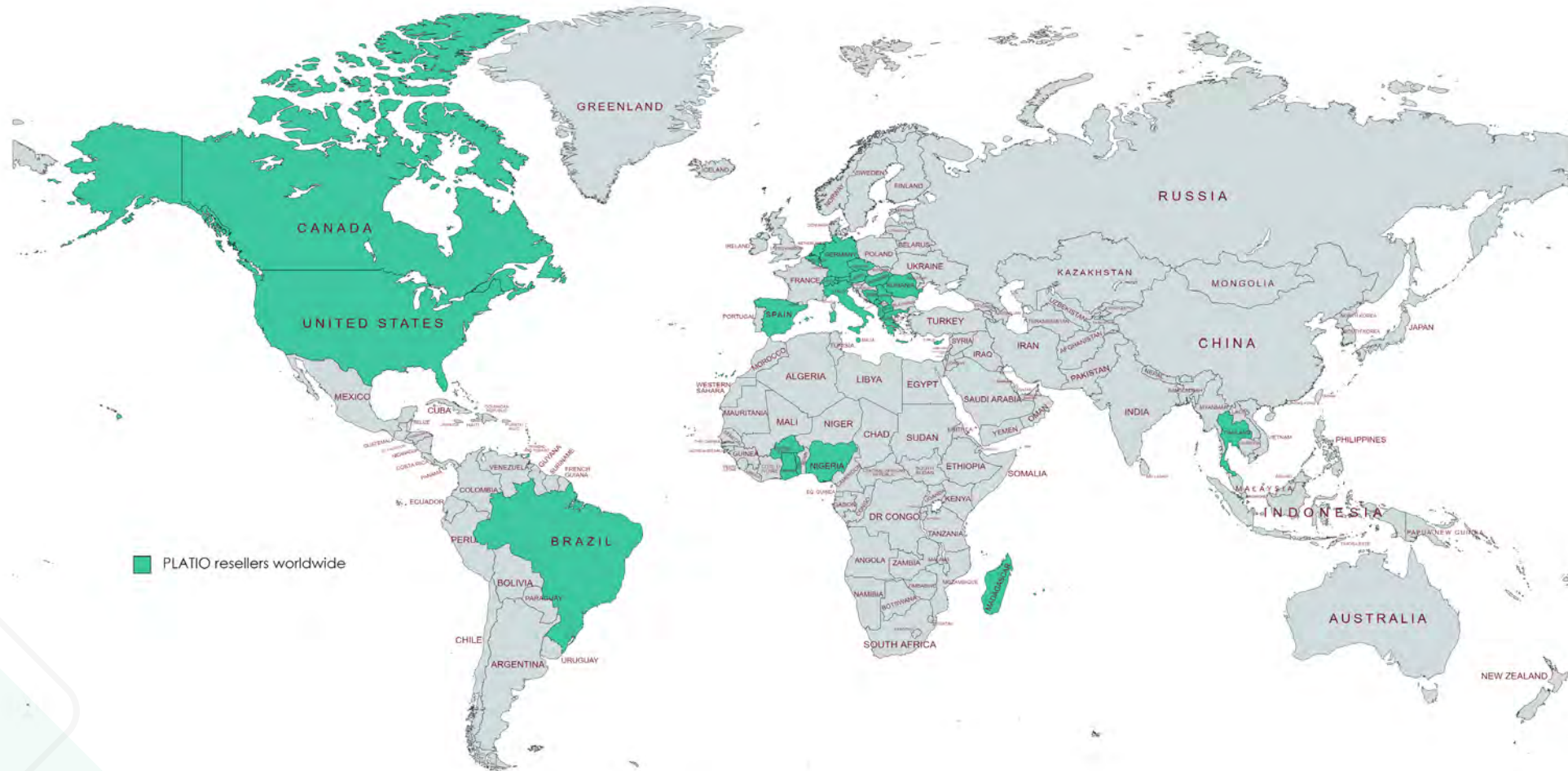
# PLATIO RESELLERS WORLDWIDE



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# PLATIO RESELLERS WORLDWIDE



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# CONTACT INFORMATION



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**WALK WITH US, TALK WITH US**

