

## PV PANELS BASED ON SYNTHETIC STONE SUBSTRATE



### ? What is?

These photovoltaic panels integrate solar energy into buildings using a unique combination of glass and synthetic stone substrates. Unlike traditional glass-based modules, this product offers a durable and visually appealing solution for energy generation.

### 🎯 Challenge

Conventional solar panels lack the durability, aesthetics, and versatility needed for diverse building designs, especially in heritage contexts.

### 💡 Solution

BIPV panels leverage synthetic stone substrates to deliver a robust, attractive, and eco-friendly option for solar integration in modern and historic buildings.

### ➔ Target Users

- ✓ Architects and designers
- ✓ Building retrofit companies
- ✓ Heritage preservation specialists (where there may be restrictions on aesthetic value)

### ➔ Key Benefits



#### Durability

Provides long-lasting durability



#### Offers versatile

Colors and finishes



#### Insulation

Enhances thermal and acoustic insulation



#### aesthetic image

Meets aesthetic and heritage requirements



#### Resistant

Resistant to weather changes



#### Friendly

Environmentally friendly substrate

### ➔ Next Steps

Improvement in the production line to make the result a commercial product:

- ✓ Solving technical problems on large formats (working directly with the supplier)
- ✓ Optimizing the solutions to make it profitable
- ✓ Promote the solution through our social media, catalogue and webpage.
- ✓ Include this solution into our portfolio and present it to our potential customers as another BIPV solution.



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