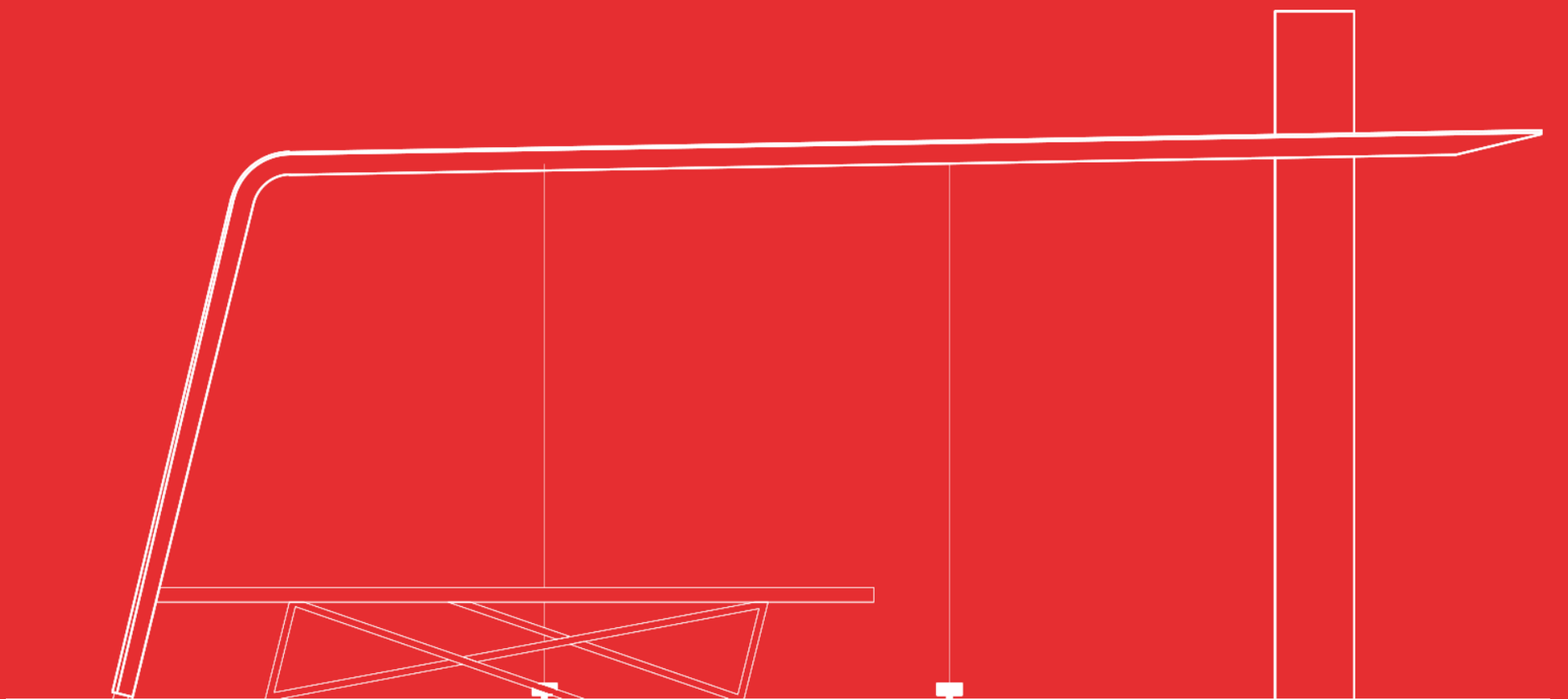
HELIO smart city

Integrated Photovoltaics

HELIO SMART SHELTER



# Smart City Shelter

Off-grid, power independent

Dynamic information for passengers

Luminescence enhancement

E-ink screens

LED lighting

Helioenergia Bi-Facial Modules electrical power generation

Wi-Fi Communication

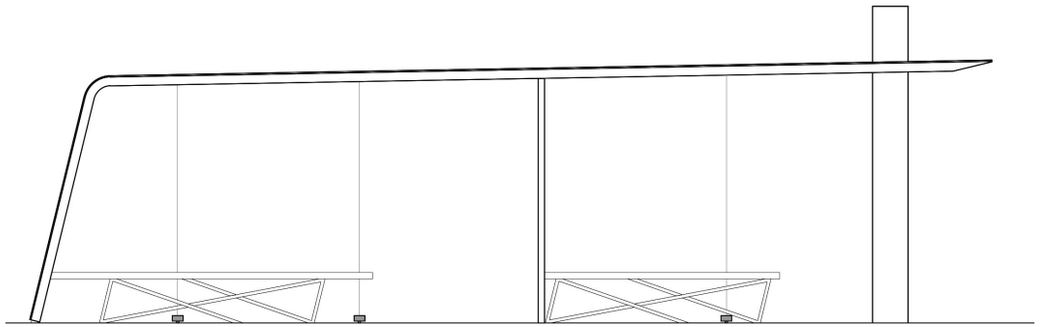
Innovative design

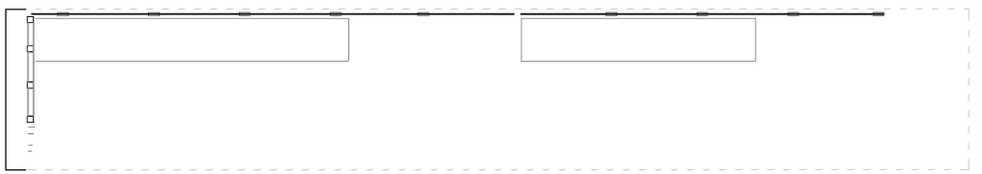
Emergency safety button

## Manufacturer:

Integrated Photovoltaics

The first step towards smart city. Helio Bus Shelter was designed to fit into the architecture of modern metropolises powered by information. Thanks to the innovative usage of solar energy, Helio Smart Shelter has low power consumption  is fully power independent and stays environment and user friendly. E-ink screens provide passengers with all sorts of valuable information. The construction is modular and can be upgraded with additional technologies.

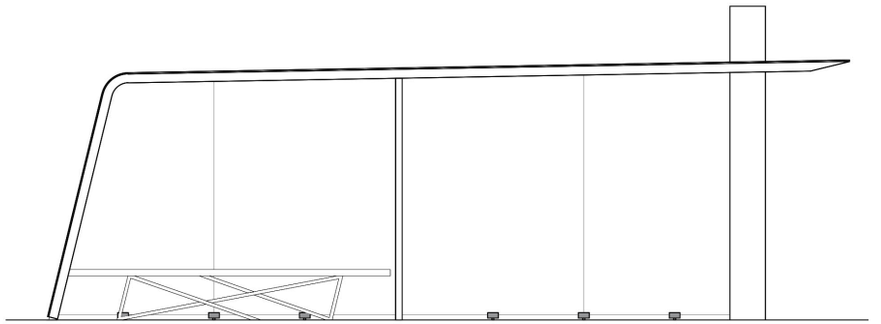


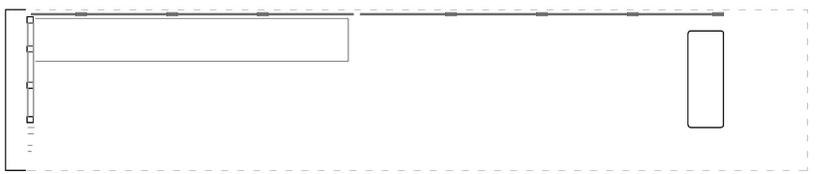




## MODEL HSS 9.0

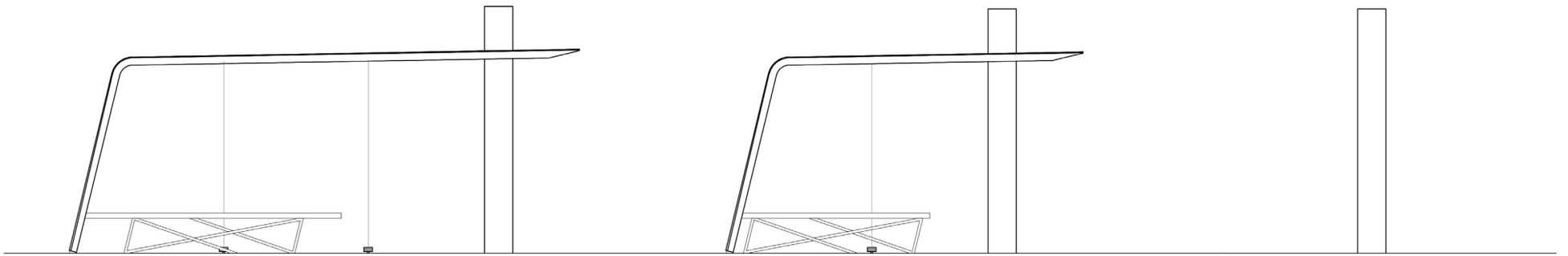
| | |
|---|---|
| shelter height | **2.45 m** |
| totem height | **2.95 m** |
| length | **9.00 m** |
| width | **1.50 m** |

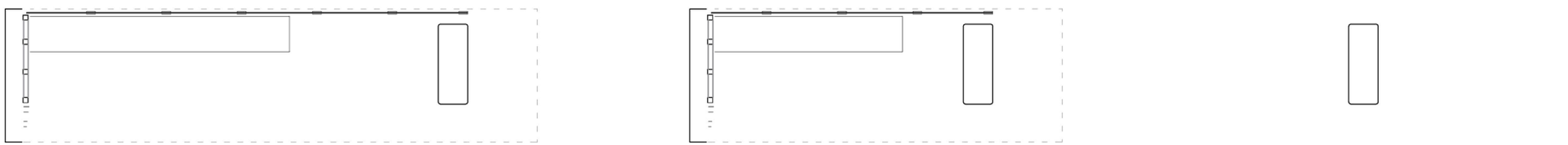




## MODEL HSS 7.5

| | |
|---|---|
| shelter height | **2.40 m** |
| totem height | **2.90 m** |
| length | **7.50 m** |
| width | **1.50 m** |







## MODEL HSS 6.0

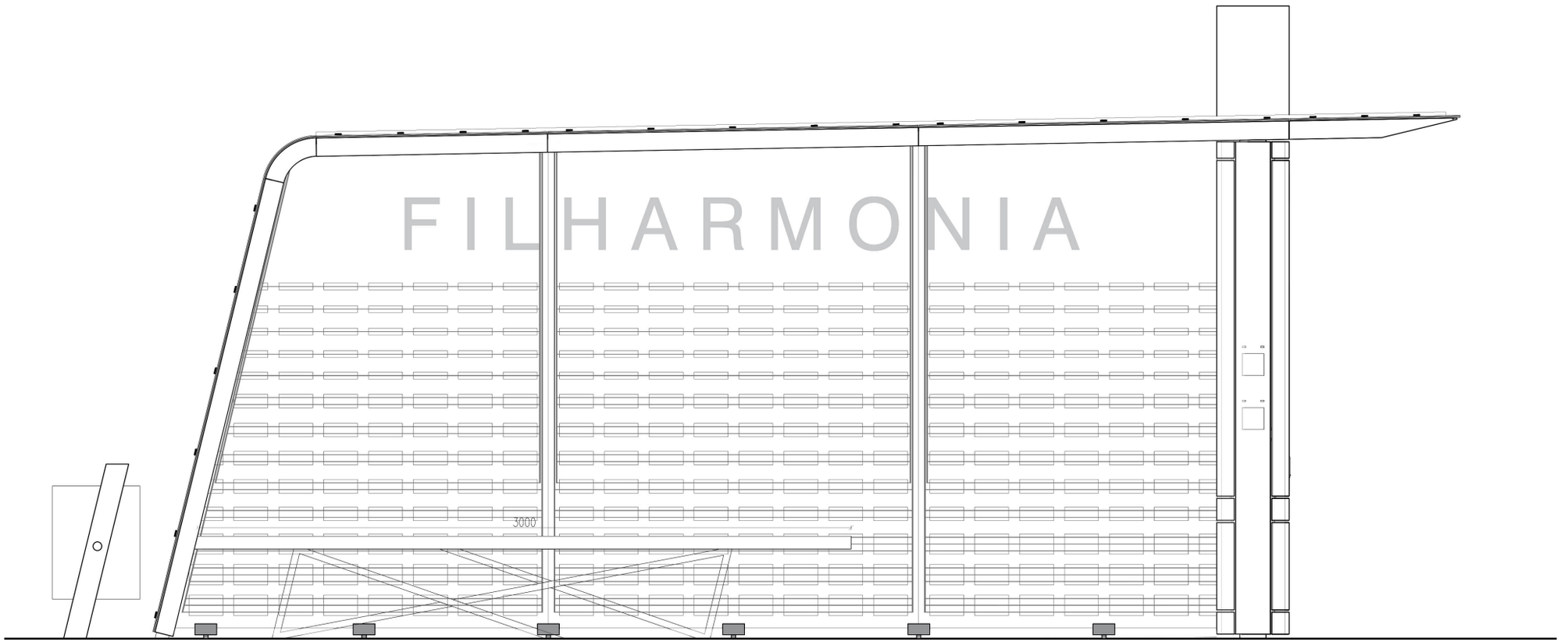
| | |
|---|---|
| shelter height | **2.35 m** |
| totem height | **2.90 m** |
| length | **6.00 m** |
| width | **1.50 m** |

## MODEL HSS 4.5

| | |
|---|---|
| shelter height | **2.30 m** |
| totem height | **2.85 m** |
| length | **4.50 m** |
| width | **1.50 m** |

## MODEL HSS 1.0

| | |
|---|---|
| totem height | **2.85 m** |
| length | **0.33 m** |
| width | **0.90 m** |

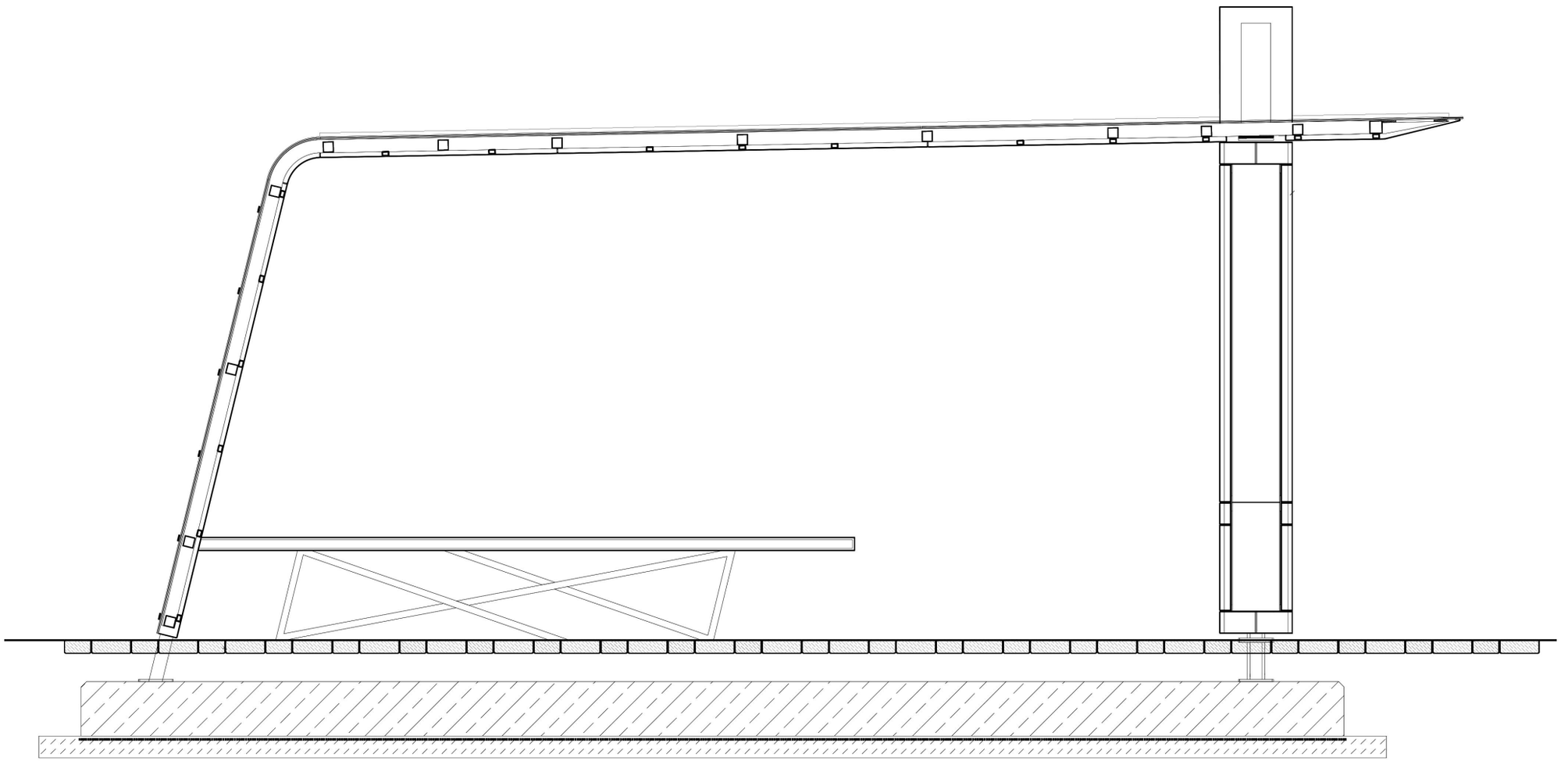





**MODEL HSS** **6.0**

- the name of the bus stop is integrated with shelter glass

- photovoltaic cells as a decorative element in the shelter glass



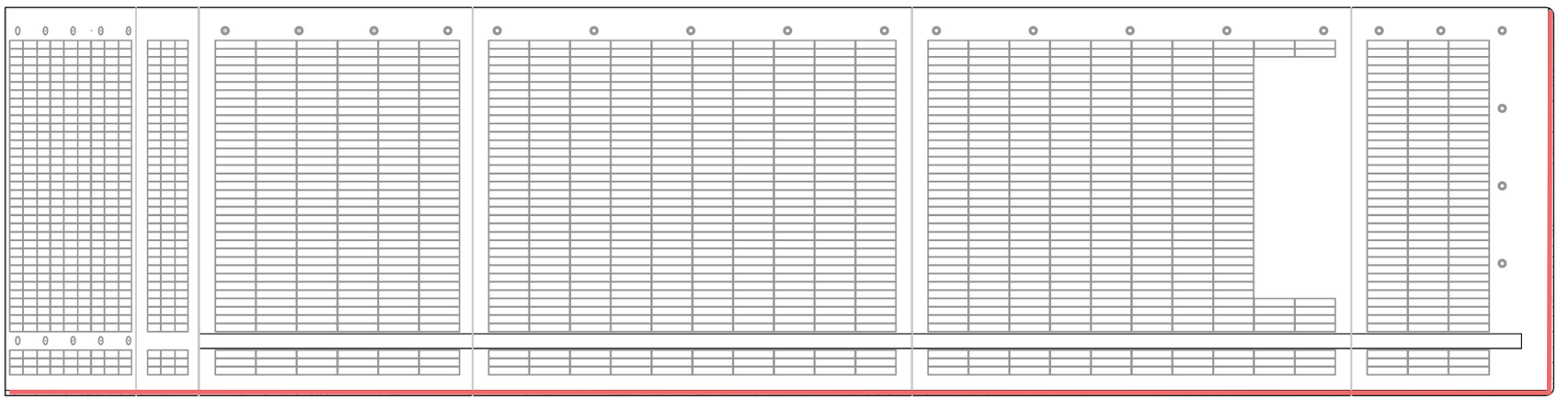


**MODEL HSS** **6.0**

- easy assembly of the entire structure

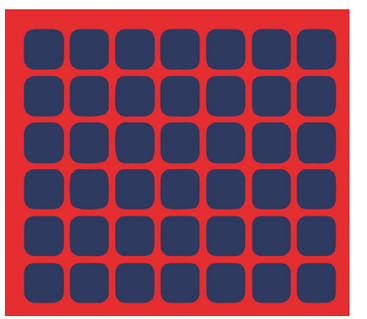
- construction integrated with the floor

Photovoltaic modules with two active layers generate electrical energy from the light falling from both above and below them.





## Innovative Photovoltaic Panel Luminescent Solar Concentrator



- the whole shelter roof covered with photovoltaics cells

- visual effect - shining edge with Luminescent effect

Przybyszewskiego

# Smart City Is Coming

GÖMLEK KRALI
TUDORS

# First Step Towards Smart City

VIENNA

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SMART
SHELTER

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