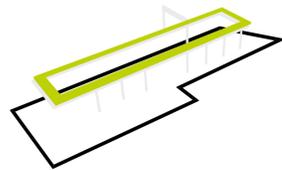


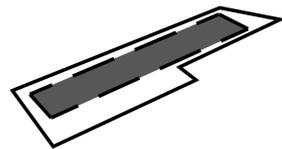
Photovoltaic panels

There are 8 500 m² of panels which close up on a hot and sunny day, while during cool and cloudy days it will open up as much as possible. There are 3906 PV panels. The PV system can produce **1,4 MWh of energy annually.**



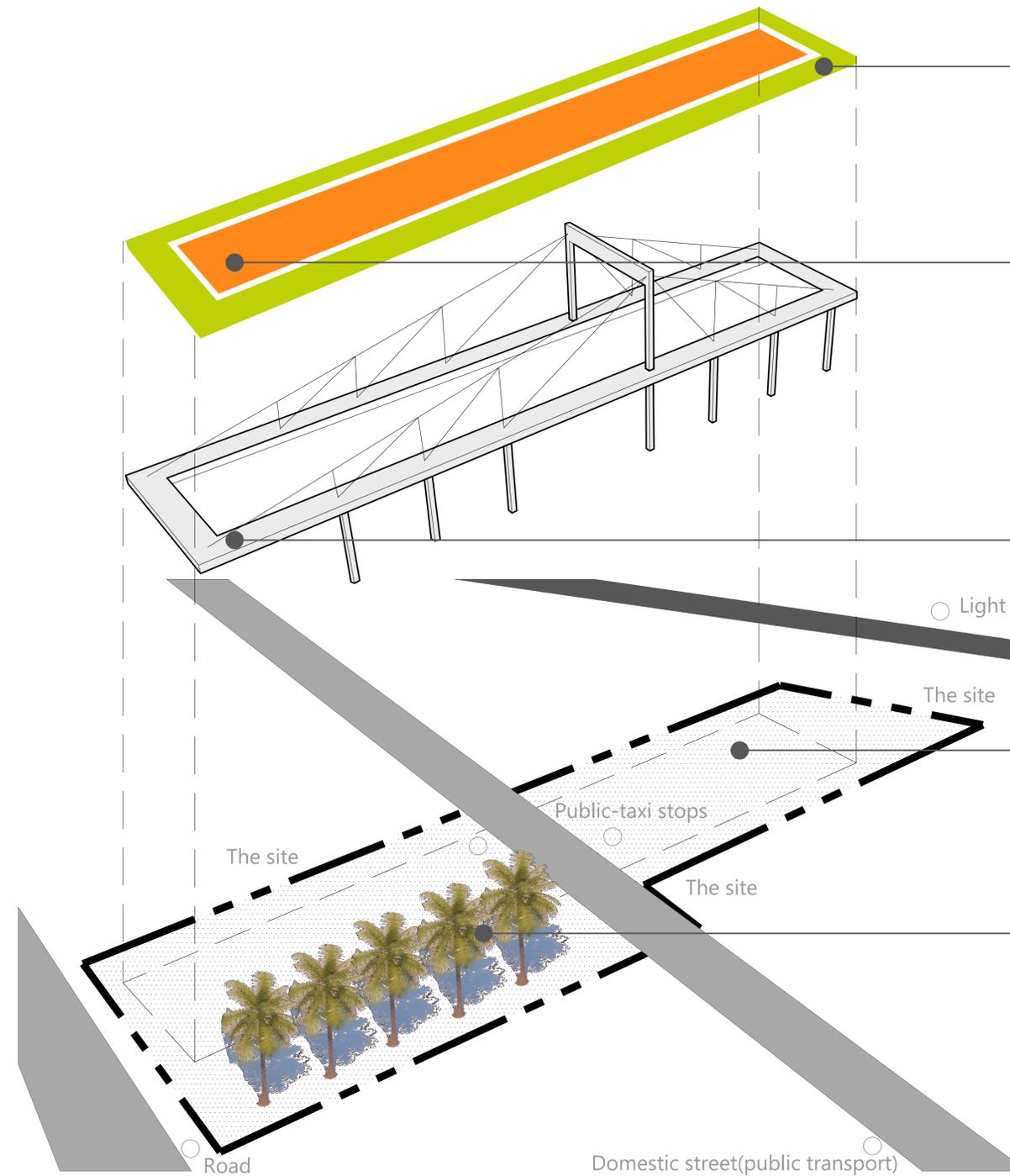
The Frame with greenery

Plants are watered with drainage systems which are located on the frame. The greenery cools the climate below the Frame and provides naturally ventilated and unpolluted air on the Plaza.



Public Plaza

The Public Plaza is one of the largest public squares in Masdar City. It will host various cultural and business events on specific occasions. On a daily basis it will provide free space to Masdar City residents.



The Greenery:

- minimizes pollution
- reduces CO₂ gas
- provides O₂

The Golden Canopy:

- generates energy photovoltaically
- provides shade on the public square located below
- connects visually diversified functional areas

The Frame:

- base for the greenery and technical infrastructure
- provides shade
- holds electrical batteries

The Public Plaza:

- space for gatherings and relax
- one of the coolest public place in Masdar City
- spatial anchor, both: in space and in perception.

The Public Oasis:

- space for gatherings and relaxation among nature
- public space of Masdar City
- provides air circulation

THE GREEN FRAME

Urban context

Competition site is located in between residential area and research, office and educational buildings. It is also located along the green corridor which provides clean and fresh unpolluted air for Masdar City. The site is also crossed by public transport path in north-east - south-west directions. To the South there is located light rail station from which you might get to the airport. The station will generate dense pedestrian motion. **The main proposal principle is increasing the life quality of Masdar City residents and guests.** The proposal includes public Plaza made of white marble. The Plaza is covered with bridge-like structure which provides shade. The Frame holds the greenery and photovoltaic panels.

Environment friendly solutions

Photovoltaic frame shade roof is 8 500 m². The total area of greenery located on the Frame is 5 000 m².

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