

# THE GREENHOUSE STAGE

The objective of the project - The Greenhouse Stage - is to create a sustainable standalone frame where multiple activities and art outcomes can take place while indulging in a wide range of green building design. Thus it is proposed to have a greenhouse like building set upon a pier structure capable of working as an open stage on the sea. To this end, the building offers one storey for multiple uses at the same time as, on top of it, a large surface filled with greenery invites people to the park, a perceived floating park above the sea.

As to the structure of the building, it is composed of very light and flexible metal profiles that hang a curtain on all four sides and a rooftop. It is of the utmost importance to the project to combine different sorts of technologies to better comply with the energetic requirements of an ecological approach to a building of this kind.

The curtains function to contain a controlled atmosphere inside the box. Furthermore, they can be put to use as giant screens where a variety of projections can provide an overwhelmingly artful sea front experience.

The Greenhouse Stage features:

- Fog catcher net system;
- Rain water collector and accumulator;
- Natural air convection ventilation;
- Organic green soil with vegetation;
- Energy storage facilities;
- Solar panels;
- Humidity control membrane;
- Low charge electricity generator;
- Tidal/wave force absorption device;
- Translucent screen;
- Video mapping technology;
- 360° viewpoint;
- Public park.

