

## Summer shelter

Summer shelter is a shading concept for providing a relax spaces for people .

Summer shelter is a wooden structure with opening on the roof due to posit the green roof and solar panels. It includes cooling system and sitting area for people in public spaces of the city. Solar panels generate energy of cooling system, internet and lighting. Indeed, people enjoy sunny days in outdoor spaces even in hot temperature.

In addition, Algae shaped sculpture is placed around the site due to act as lighting sources for night time. The glassy bubbles of water which filled with algae plants is the basement of the design. The system is comprised of a network of translucent bubbles which micro-algae flow. Indeed, algae colony consumes carbon dioxide, emits pure oxygen and effectively clean air. In addition , It acts as an energy-generating furniture due to transform CO<sub>2</sub> into light.