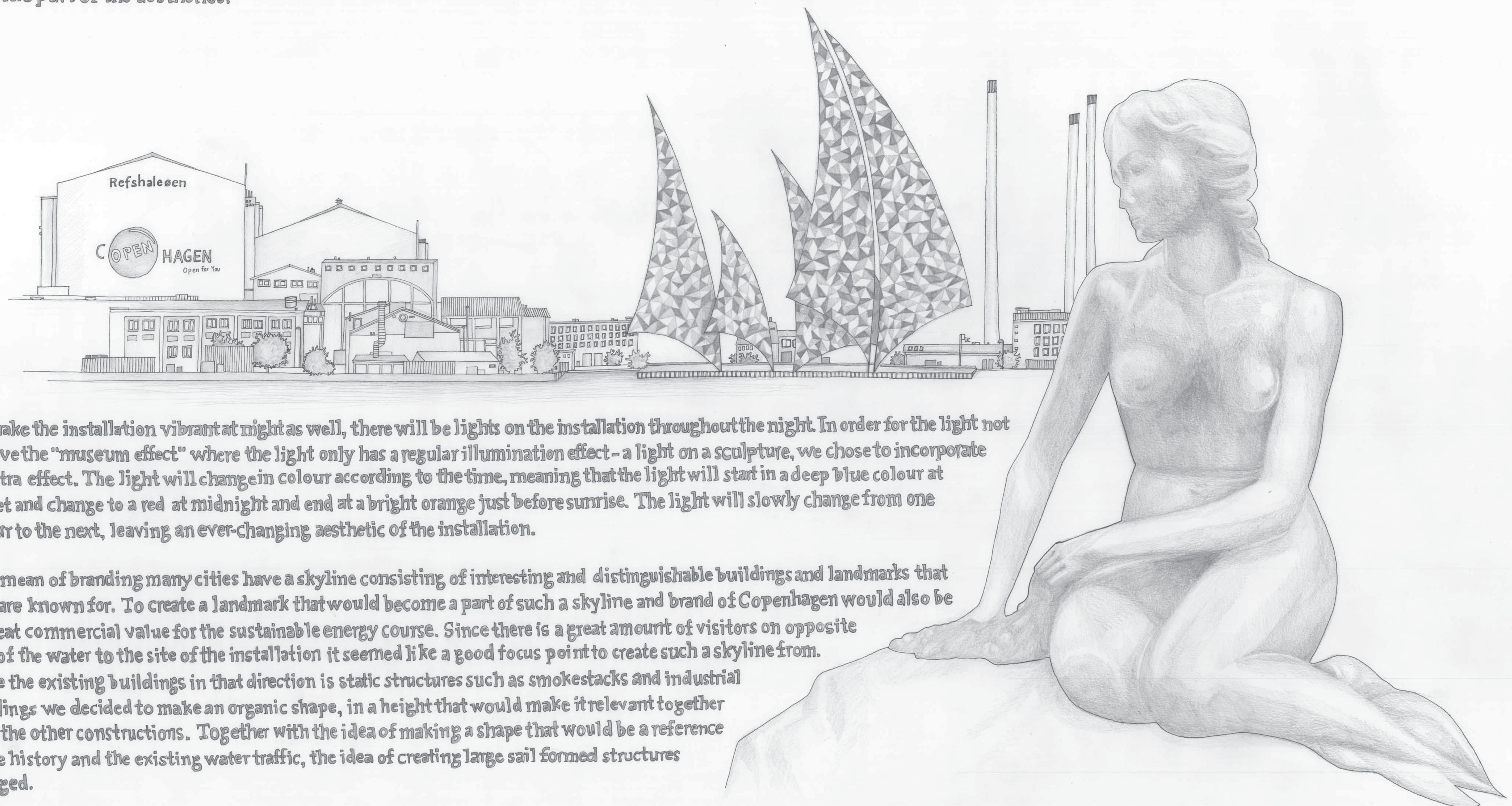


# INTERWEAVING CELLS

## - INNOVATIVE USE OF PHOTOVOLTAIC IN URBAN LANDSCAPING

A project striving to create a landmark for renewable energy in Copenhagen – to be a materialization of the Copenhagen CO<sub>2</sub> neutrality plan for 2025 and the general position on green energy in Denmark. To create awareness and motivate the study into new technologies the installation is based on the #D irradiance capture solar cell patented Sphelar®, which have the potential to become a real contender in sustainable energy. The shape is a nod to the history of the site and an interesting way for the surroundings to become part of the aesthetics.



To make the installation vibrant at night as well, there will be lights on the installation throughout the night. In order for the light not to have the "museum effect" where the light only has a regular illumination effect – a light on a sculpture, we chose to incorporate an extra effect. The light will change in colour according to the time, meaning that the light will start in a deep blue colour at sunset and change to a red at midnight and end at a bright orange just before sunrise. The light will slowly change from one colour to the next, leaving an ever-changing aesthetic of the installation.

As a mean of branding many cities have a skyline consisting of interesting and distinguishable buildings and landmarks that they are known for. To create a landmark that would become a part of such a skyline and brand of Copenhagen would also be of great commercial value for the sustainable energy course. Since there is a great amount of visitors on opposite side of the water to the site of the installation it seemed like a good focus point to create such a skyline from.

Since the existing buildings in that direction is static structures such as smokestacks and industrial buildings we decided to make an organic shape, in a height that would make it relevant together with the other constructions. Together with the idea of making a shape that would be a reference to the history and the existing water traffic, the idea of creating large sail formed structures emerged.