

WEOLIC

WIND MURAL PAINTING

Idea is to include community by putting them as part of the project that's why we call WEOLIC (we+eolic+wind+wave)



Description

Copenhagen's icon is mermaid and it is said that sirens used to sing their songs to the sailors who came in boats. Now, Refshaleøen was a port and as it is known music is energy. So we want to translate the idea of a sea symphony into a visual concept related to Copenhagen's Mermaid, and technology. Then, renewable energy can be beautiful and people can also learn about it to feel enchanted like the sailors with mermaid's songs. We will create a big light blue wind screen with a form of a wave and sea motif on it named "WEOLIC". This name is a summatory of words "wave", "we" (to include community by putting them as part of the project because everybody will use the energy) and "eolic". It will also increase tourism as it will become like a second icon of this green city and as an example to a world asking an ecological answer.

Vantage points

According to MotorWaveGroup a set of small plastic wind turbines (20 x 26 cm in diameter) coupled to one generator are capable of producing 15 Watts of energy per m2 at wind speeds of 5 meters/second. These turbines are coupled to each other by gear teeth, gathering more m2 of wind per generator. People is safe from the power plant that will be buried down the park.

Dimensions

84 columns of 24 turbines (1m in diameter each), with a DC electric generator every 4 turbines.

