

The EcoOctopus Refshaleøen

12031994

concept

How the factory influence on the site

In this table we want to consider the factor of nature, anthropogenic factor and architectural factor. Our results: there are practically no green, the high level of insolation, there are lots of water around and lots of space, winds are prevailing.

The level of environment is not high, because of the smell of waste water facility. People go to this place for a work, we are aimed to create a place for people to communicate. There are no waste from transport. Also there are energy production from windmills and waste water facility, which are struggling against the problems of ecology. On this place prevails industrial architecture, low numbers of stories. Consequently the place is not such aesthetic.

method association

In this project we have taken as a basis for structural feature of the octopus and distinctive ability to interact with the environment. Octopuses have three hearts. Two brachial hearts pump blood through each of the two gills, while the third is a systemic heart that pumps blood through the body.

In our project are involved 3 figure:

- the figure of space
- the figure of place
- the figure of action

We collect information of the mood of people living on given territory via social nets.

For each mood of society we have definite color on the future installation. Our team was inspired by the reaction of octopus on the environment.

Technology

The tentacles of octopus open up to the sky to collect the sun.

after the shaft there is the flexible part of our installation which can follow the sun.

The installation made of flexible solar batteries. The energy comes from the sun every day till night. When the sun comes down the installation start to shine. It shows people the information and the energy that it has collected.

Application to the site

We were trying to find the right
Arrangement
of our installation on the site by
programming
algorithm in Processing. When the agents
of one
type find the agent of another definite
one they
start to group. At the centers of the
groups we
decided to place our projects

The EcoOctopus Refshaleøen produces
800 MWh per year
based on state art solar technics