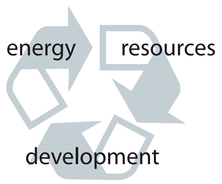
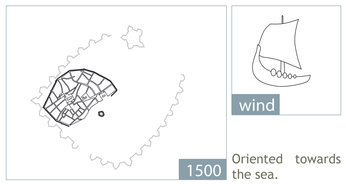
transition by energy

The availability of energy has a huge impact on our way of life and how we organize our environment. The development of Copenhagen and its relationship with the sea has always changed under the influence of the availability of energy. In the era of the wind, sailing ships explored the sea and Copenhagen experienced a relatively fast growth. The city was oriented towards the sea and had a massive fortification.
With the introduction of coal and especially diesel the city made a leap in growth and went through a larger development. The Sealandia was the first large diesel ship in the world, built on the site of B & W at Refshaleøen. Today we are at the beginning of another transition of energy. We will slowly but surely change from fossil fuels to a clean and renewable energy. Copenhagen will again add a new chapter to it's rich history.

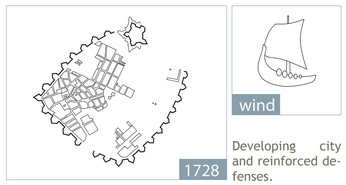
concept

The design is both a generator of clean energy and an attractive public installation. The design of the 'ship' imagines the story of the site; the history of shipbuilding and the ongoing transformation of the area. The shape of the ship is a reference to the Sealandia.
The ship is composed by windmills. Due to the high density of the windmills, a soft moire pattern is produced, a beautiful fairytale-like background for the little mermaid. Seen from the city, the ship stands as a logo for the transformation of the port.
An additional effect of the high density of windmills which are applied, is a greater efficiency in harvesting the wind. The ship sails forward to a future with clean energy and a green horizon.





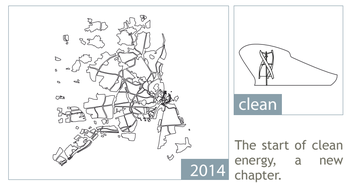
Oriented towards the sea.



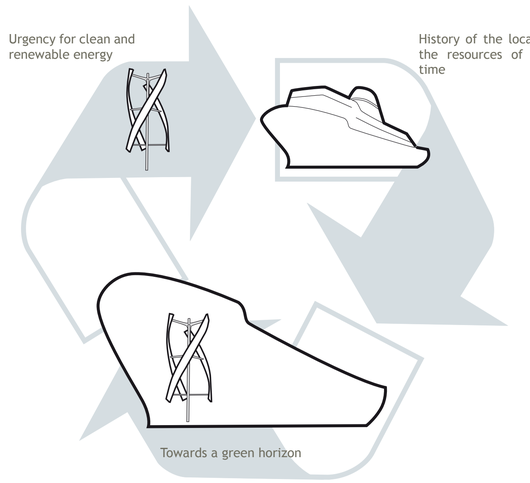
Developing city and reinforced defenses.

Industrial revolution, the city grows beyond it's defenses.

Diesel era, the Sealandia is being built. Exponential growth.



The start of clean energy, a new chapter.



urban context

In line with previous projects in Denmark to realize completely CO2-neutral housing projects there is a special opportunity at this unique location. The transition from heavy industry to a green housing project is appealing.

The ship can contribute to Refshaleøen to realise such a green future development. By delivering power to housholds in the area the ship adds a green impuls to the tranformations of Refshaleøen.

The installation unites its functional significance for hzarvesting wind energy with the spatial and strategic importance as a catalyst and attractor.