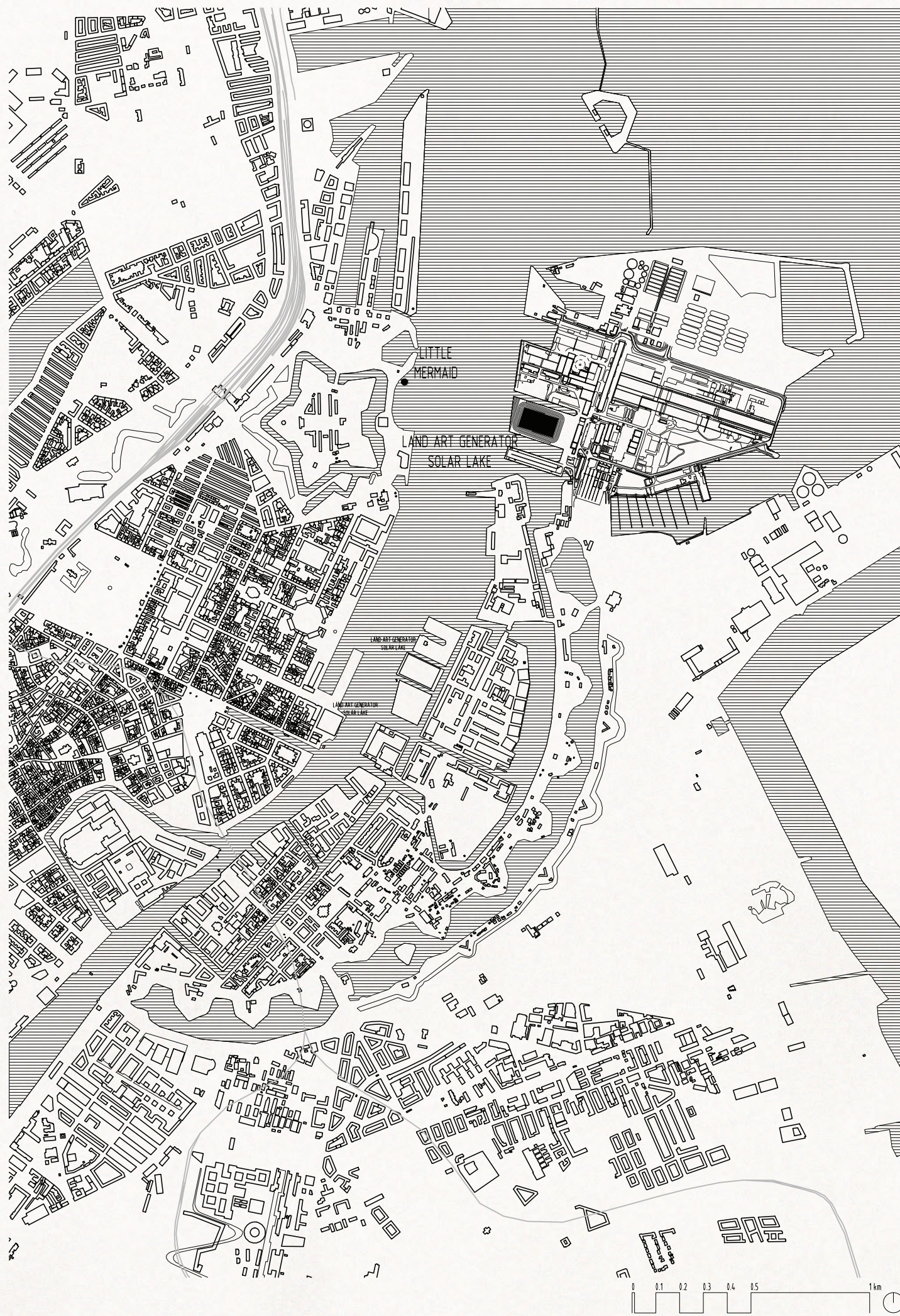




Copenhagen 2014



Copenhagen 2050



Urban landscape as land art ...

Topos (Latin) is the place in the natural landscape. Landscape already does not exist in its fundament, but carries the footprint of its most intensive users. Landscape is marked by human activity. A number of layers of intensive and extensive human activities, which more or less are overlapping in space and time, create landscape. Refshaleøen's site was Topos.

Nodus (Latin) is the place in the topology of urban system. Moreover, the different formal systems contain implicit or latent visual elements and formal elements as explicit architectonic definitions in the form of lines, points and planes, spaces and sightlines. Refshaleøen is Nodus.

Locus (Latin) is the place in the matrix of cultivated landscape. The Lagi design site is out of the urban landscape system. "No man's land." An empty space in space and time. The site is missing its faithful user. It is searching its place in the city. It is looking for its meaning in the landscape. It is seeking its Genius Loci. Refshaleøen's site will be Locus. *Refshaleøen's site is able to be land art.*

*Land art as landmark...*

From Hanging gardens of Babylon, over parks with labyrinths, strictly defined French gardens, to Chinese and Japanese monastic gardens, land art is based in history. Land art applies transition from studios into nature. Land art works with delicate approach to nature. Its aim is to accent the landscape and use natural materials such as soil, stone, wood, water... But land art can impress with monumentality. It takes advantage of perception intensity. It proofs natural experience of its observers with effects of majesty in nature. Land art works with elementary forms and creates landmarks.

*Landmark as elevation...*

Landmark is a recognizable natural or man-made feature used for navigation, a feature that stands out from its near environment and is often visible from long distances. Originally, a landmark literally meant a geographic feature used by explorers and others to find their way back or through an area. Landmark is icon of the city. Elevated artificial hill in Refshaleøen's site is a landmark.

*Elevation as artificial blind lake...*

Artificial blind lake is a tarn, a lake, a pool formed by human activity to concentrate water. It is created when rain fills the pit. A corrie may be called a pit. It is shaped by the elevation of an artificial hill. Artificial blind lake in Refshaleøen's site will be filled with rainwater.

*Blind lake as solar lake...*

Walkable PV floor panels represent an innovative solution for integrating solar energy. Panel supports 400 kilos in point load test and reaches almost the same efficiency levels than any other photovoltaic building material. Last (but not least!) the cooling function of the water increases the efficiency of the actual PV panels so they can capture more energy compared to conventional solutions. Another (more fancy) function is the ability to include the backlit to deliver spectacular feeling.



RESTORE

Cyclic nature of environment, the strongest interconnection of life processes, represents the architectural form. A simple hill consists of a lofty pyramidal structure built with two outside spiral ramps. Dynamic form rejuvenates the waterfront through the connection of people and the environment that sustains them. A landmark that symbolises that our future is in our hands.

GENERATE

Water, the most important resource for mankind, is cross-cutting all social, economic and environmental activities. Water is collected from the rain, filtered through UV membranes and harvested in a reservoir for the city use and as the means of irrigation for the adjacent landscape.

GENERATE

Sun, a possible source of welfare or misery, is an enabling or limiting factor for any social and technological development. Sun energy is collected through panels and solar cells. Solar grid is placed into cooling water of the lake on the top of structure, which looks outward the city while maximizing daylight and views.



GENERATE

The potential of humankind is endless. It is only upon us, how we will use it. With vertical gardens and green spiral pathway we offer a three-dimensional landscape which culminates with an observatory on the top of the hill. AI, communications, sensitive to pressure on the ground, harvest piezoelectric energy. Literally, the journey becomes the destination.

PRODUCE

Garden, the essential power plant for human being, is the ultimate energy source, physical and mental as well. Dynamic system of rentable agriculture plots and public city park plots act as the vision of the site, putting the rest of the city in. Situated on the spiral terraces, landscape becomes a monument, where locals and visitors can find their roots and connection with nature while supporting biodiversity.

CULTIVATE

Public space, the powerful element of a city, acts as guarantee for enhancing the community and increasing livability. Community spaces exhibit the literal cultivation of food, water and energy in an applied exploration of built landscape. This self-sustaining urban node becomes a destination point of the Copenhagen community and a prototype for others living the sea's edge.

