

COPENHAGEN'S
SOLAR
HOUR
GLASS

HOURGLASS

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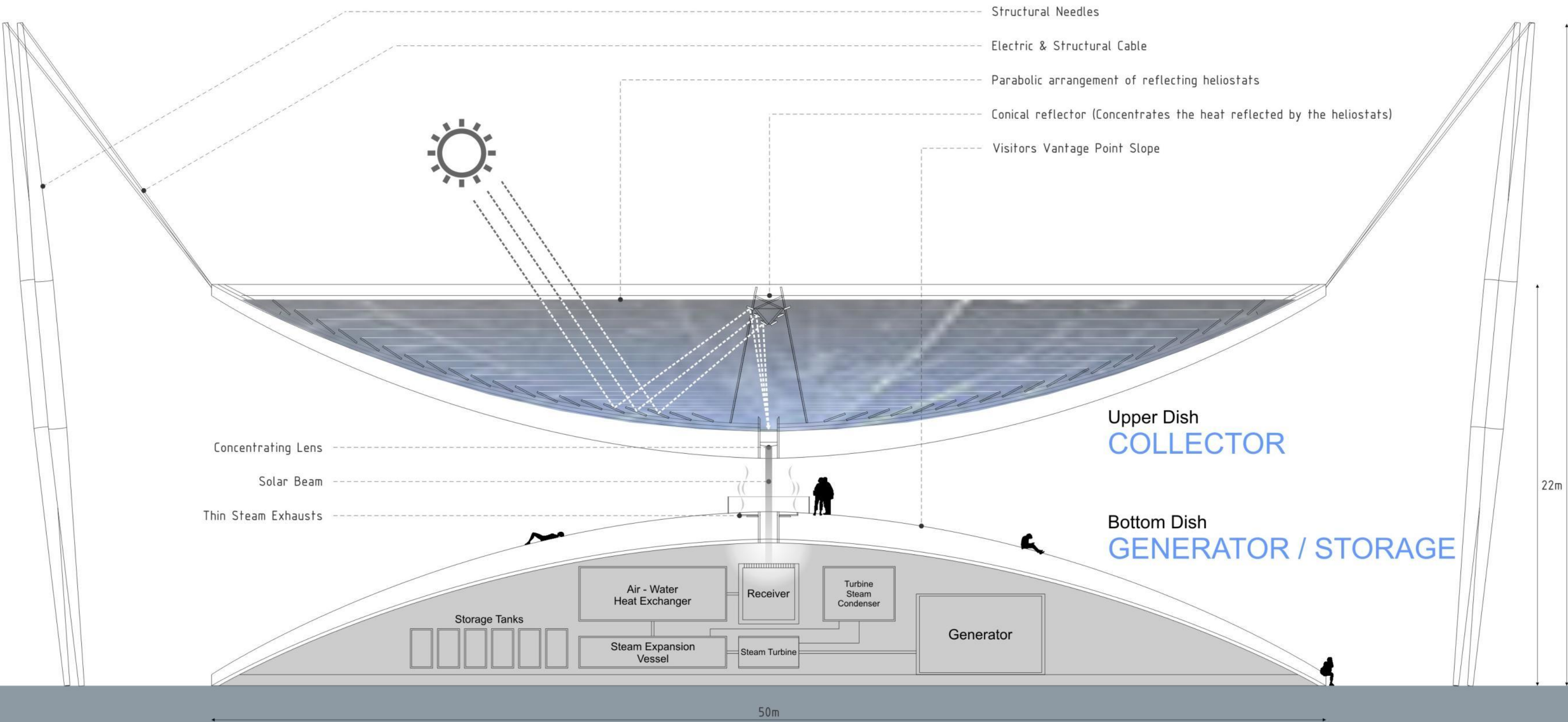
The concept behind the installation is to create an environmentally friendly and sustainable power producing hourglass that resembles not only the shape of these beautiful artifacts but also the way they work, only using a solar beam instead of sand as a trickling material.

This way, the project doesnot only convert heat into electricity, but it makes avisual spectacle out of it, providing at the same time an outstanding platform from wich to enjoy incredible views of Copenhagen harbor and the installation itself.

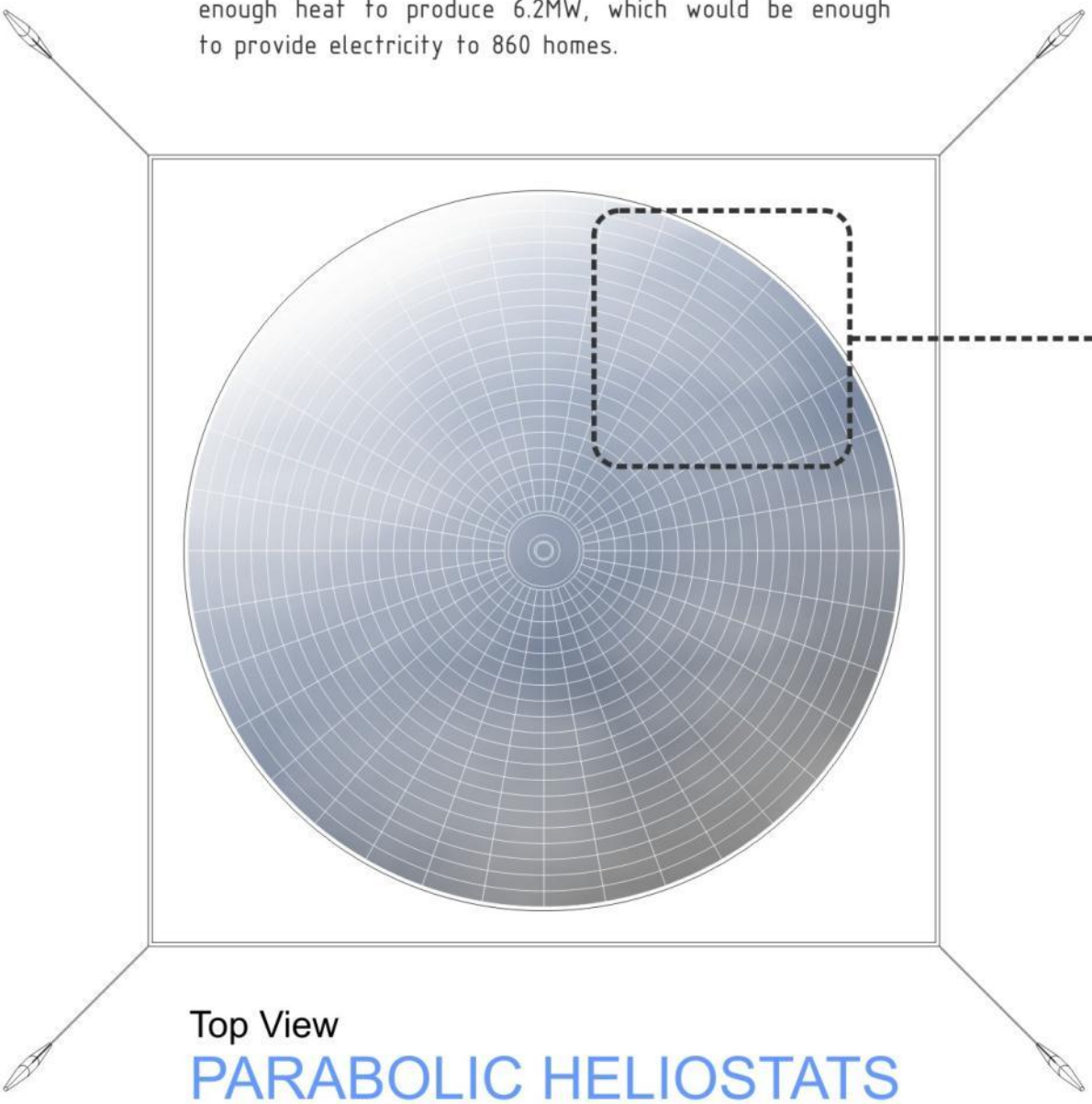
The Hourglass somehow remind us that energy is just as precious and fleeting as time, and thus we should take care of it, appreciate it... not waste it. The project aims to send an optimistic message to those who visit it; that we still have time to make things right environmentally; that we are not beyond the point of no return... and most importantly, that we don't need to be.

Along with the earth, the hourglass will keep turning, giving us with every turn, another beam of hope for a brighter and more sustainable future.

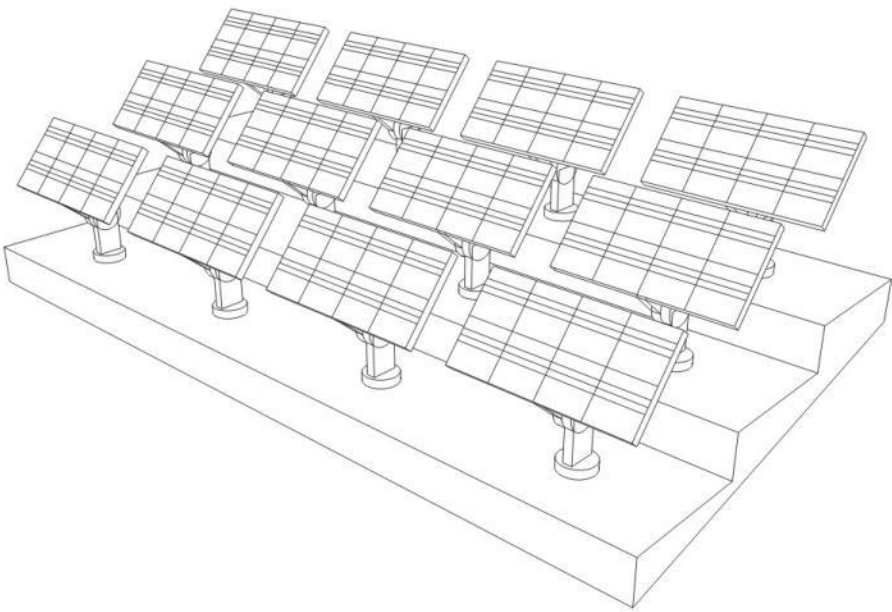
View of the solar Beam, overlooking
Copenhagen's harbor



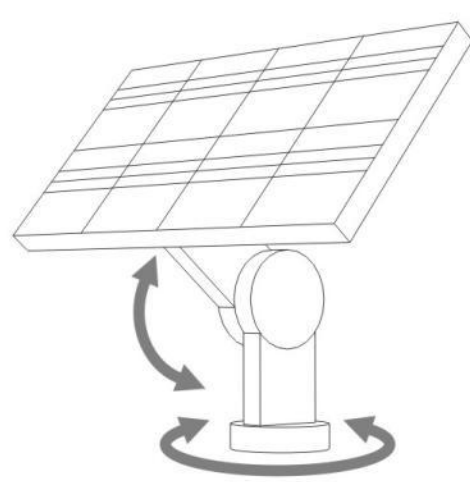
Production Potential
With a 32% capacity factor and with a diameter of 50m, the 1960sqm parabolic set of Heliostats would concentrate enough heat to produce 6.2MW, which would be enough to provide electricity to 860 homes.



Heliostat Field



Heliostat Articulation



Each Heliostat has individual articulations that allows it to follow the sun's movement with an outstanding degree of accuracy, thus achieving high efficiencies.

A computer software controls the heliostats movements based on alacendar to ensure that this level of pressition is persistent all year long.