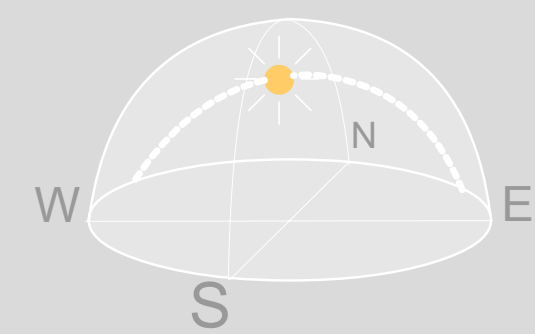


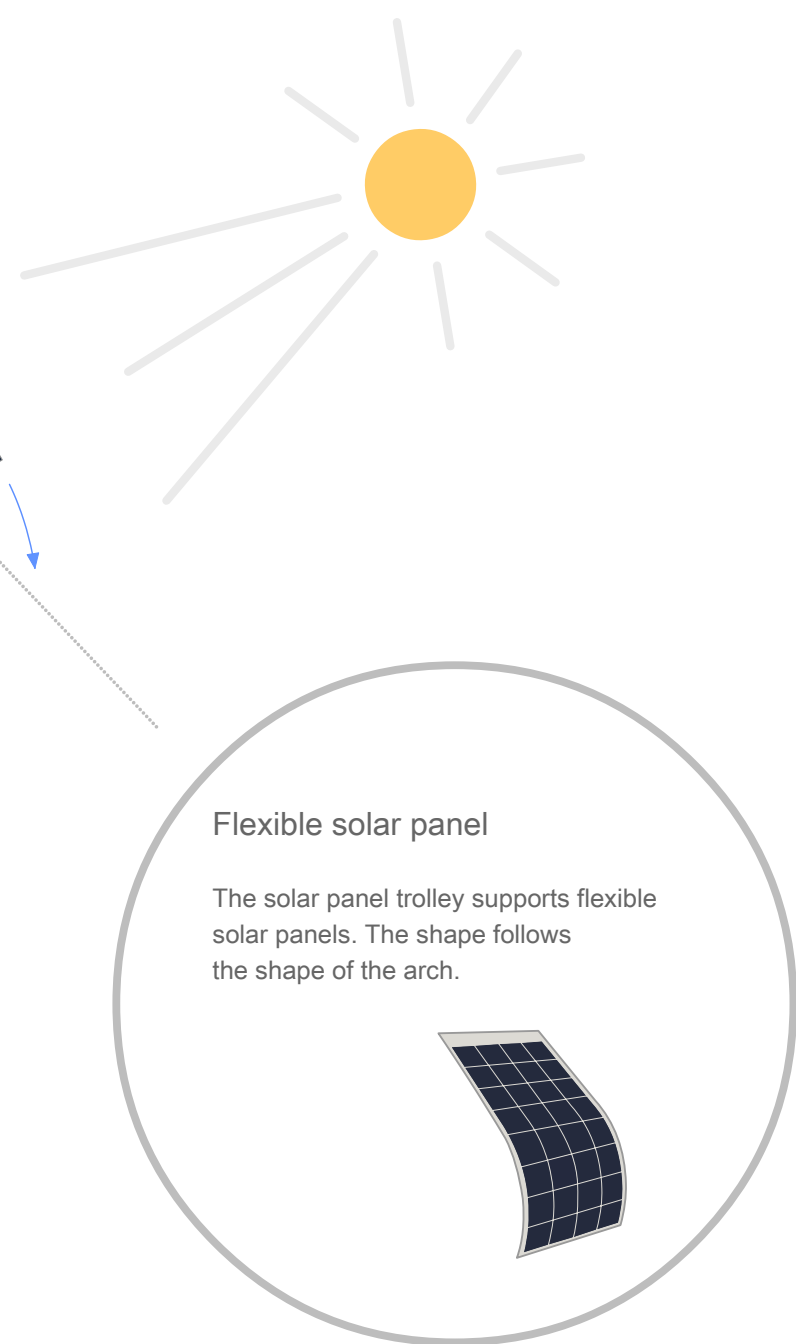
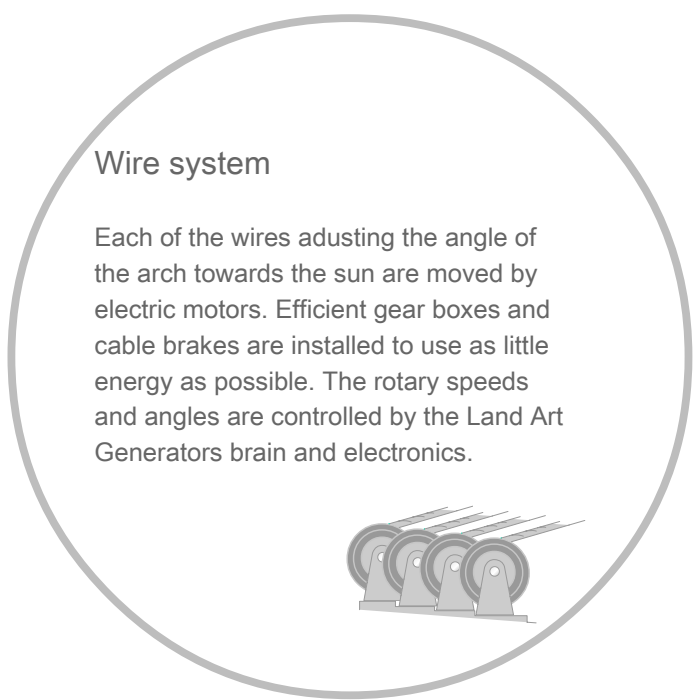
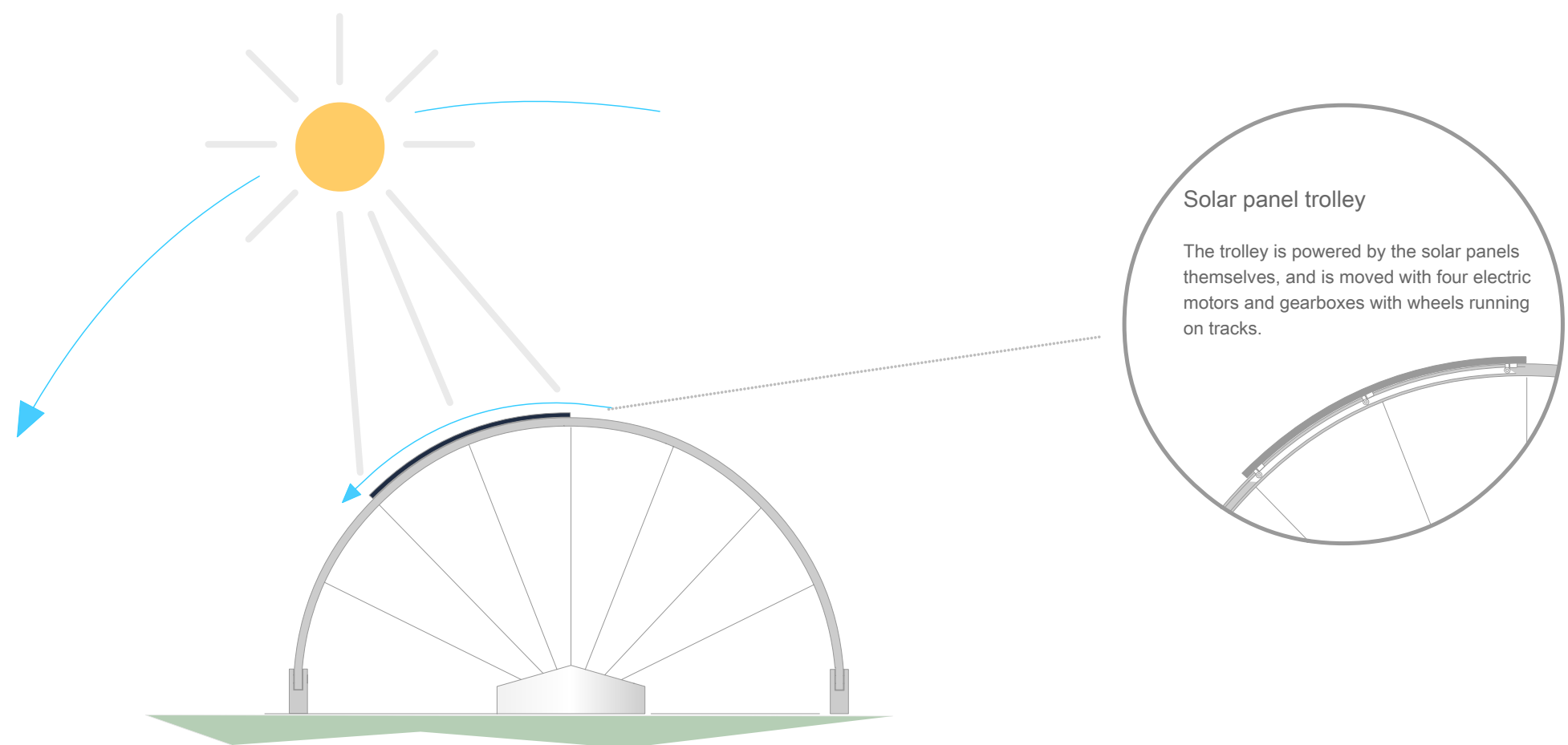


PRINCIPLE

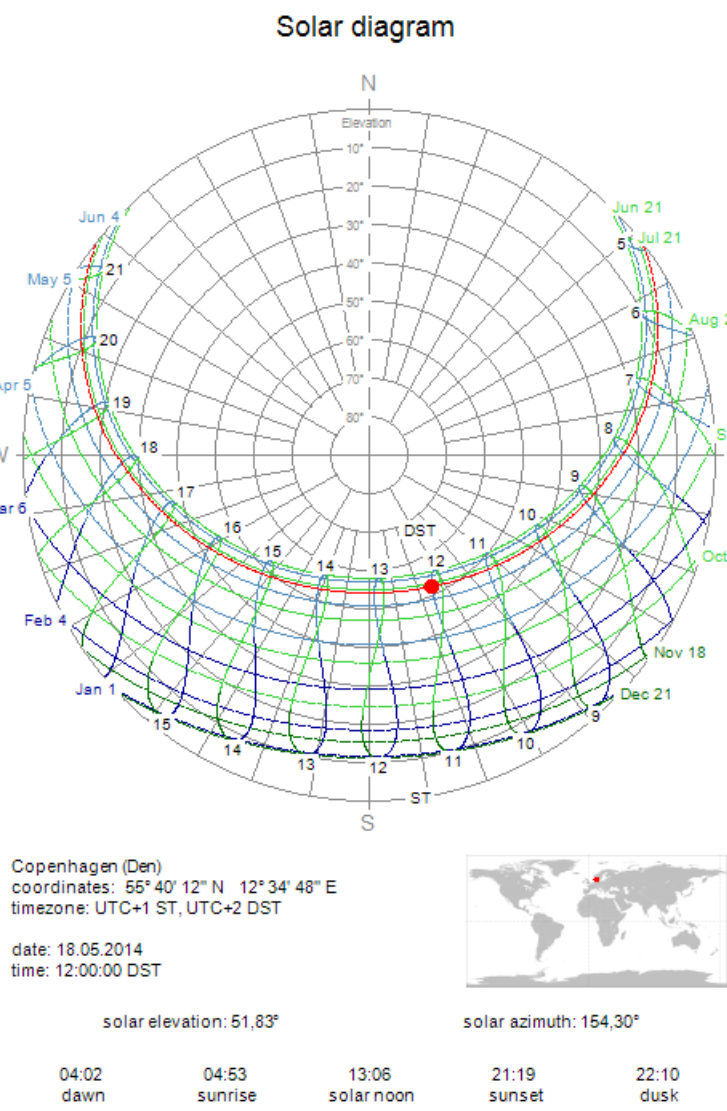
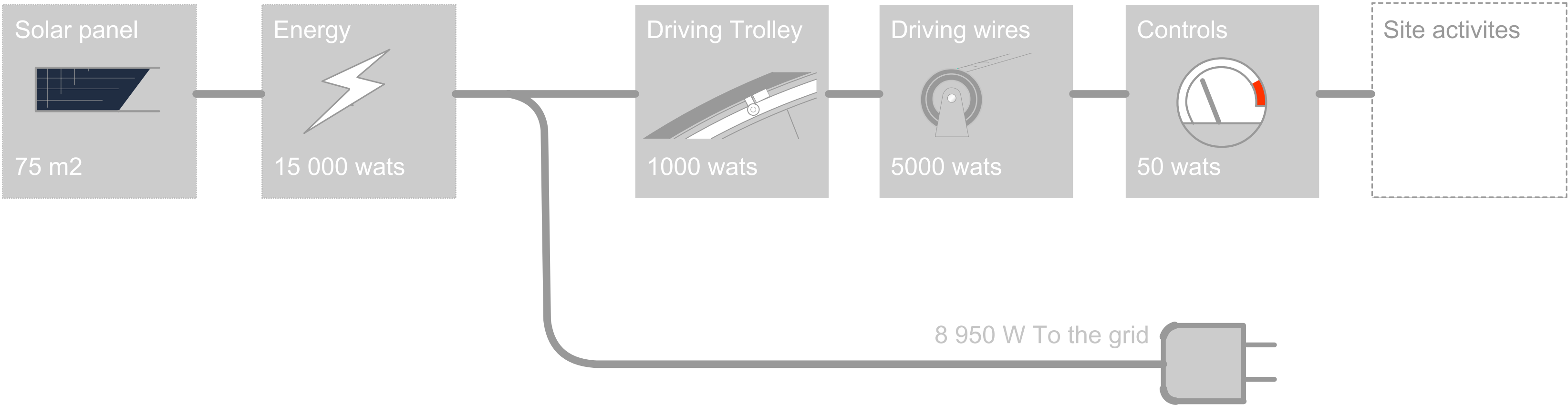


An adjustable solar panel following the path of the sun accross the sky.

Following the sun



Generating power

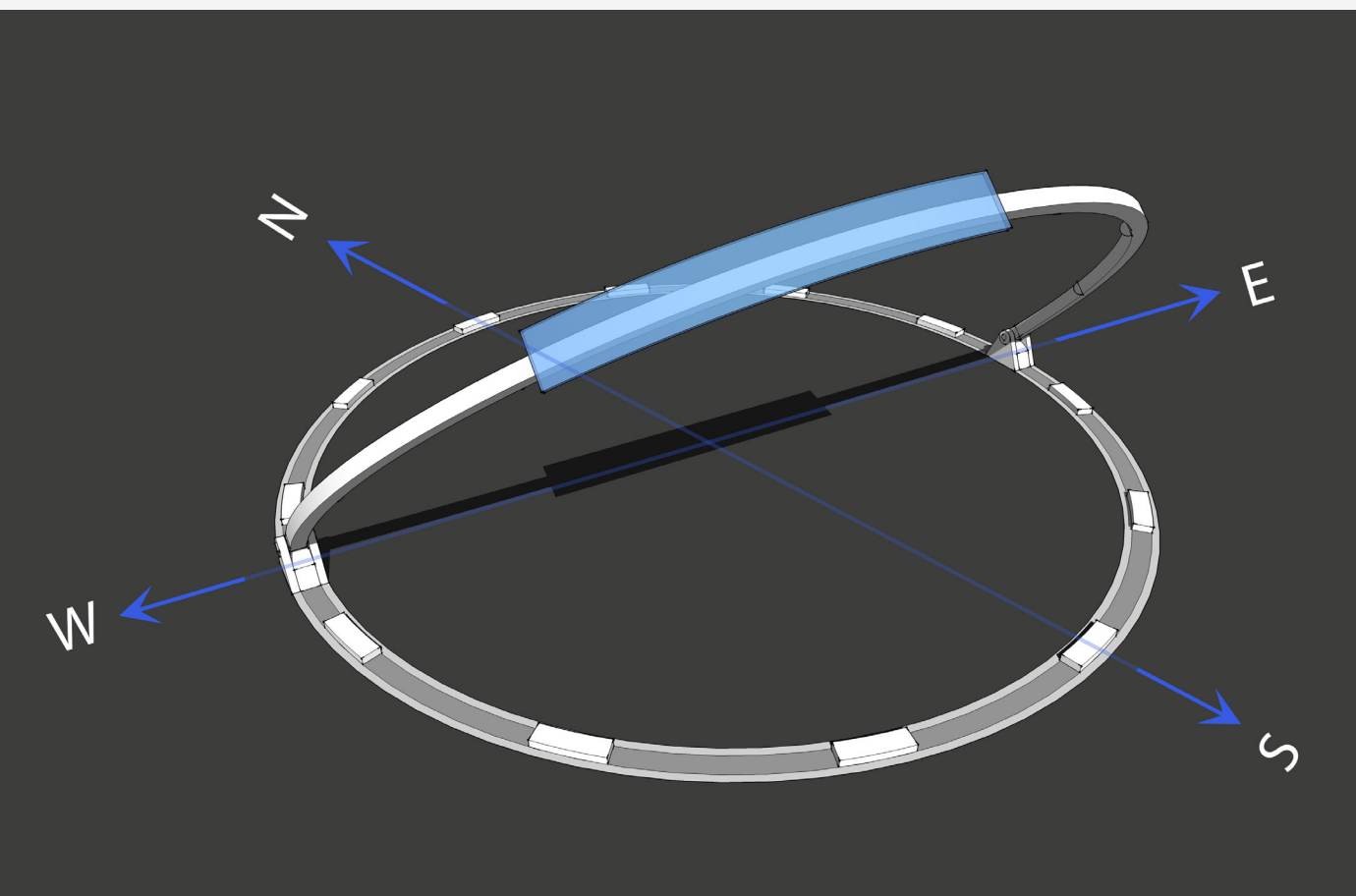


Following the sun

The Land Art Generator consists of an arch on which a solar panel trolley moves. The trolley is driven by an electric engine, powered by the solar panel itself. This movement covers the sun moving from east to the west. Also, the whole arch can tilt up and down to adjust the solar panel trolley in rhythm with the height of the sun in the sky. This is obtained by wires adjusted by electric motors, which are also powered by the solar panel trolley. With this system, the Land Art Generator will always be optimally adjusted to the sun's position in the sky.

All electric components and mechanisms are hidden inside the arch or in installations on the ground, achieving a clean and elegant expression. The excess power is then fed into the electric grid feeding electricity to the city, with multiple possible spinoffs in regards to use of electricity in this particular spot.

The arch has a radius of 30m, making it clearly visible on the other side of the water. It will reach its highest angle of 57.71° on June 21. From there, it will slowly lower itself to 10.96° on December 21.



Following the seasons

The arch will not only adjust to the movements of the sun during the day, but also to the varying seasonal paths. This gives an installation that expresses the sun's movements on a daily basis, and also has a sense of purpose throughout the year. The position of the solar trolley is monitored and adjusted by the Land Art Generators brain, so that the daily and yearly position are always correct, and solar energy is always captured in the best way possible.

The arch and its solar panel are fitted with LED-lights to mark the times and days related to the sun and the seasons. It should mark the change of seasons, but could also be used to mark events related to them, i.e. the arrival of Danish farm products and other examples of the fat of the land provided to us by the sun.

It can also be used to highlight events that take place at Refshaleøen.

