



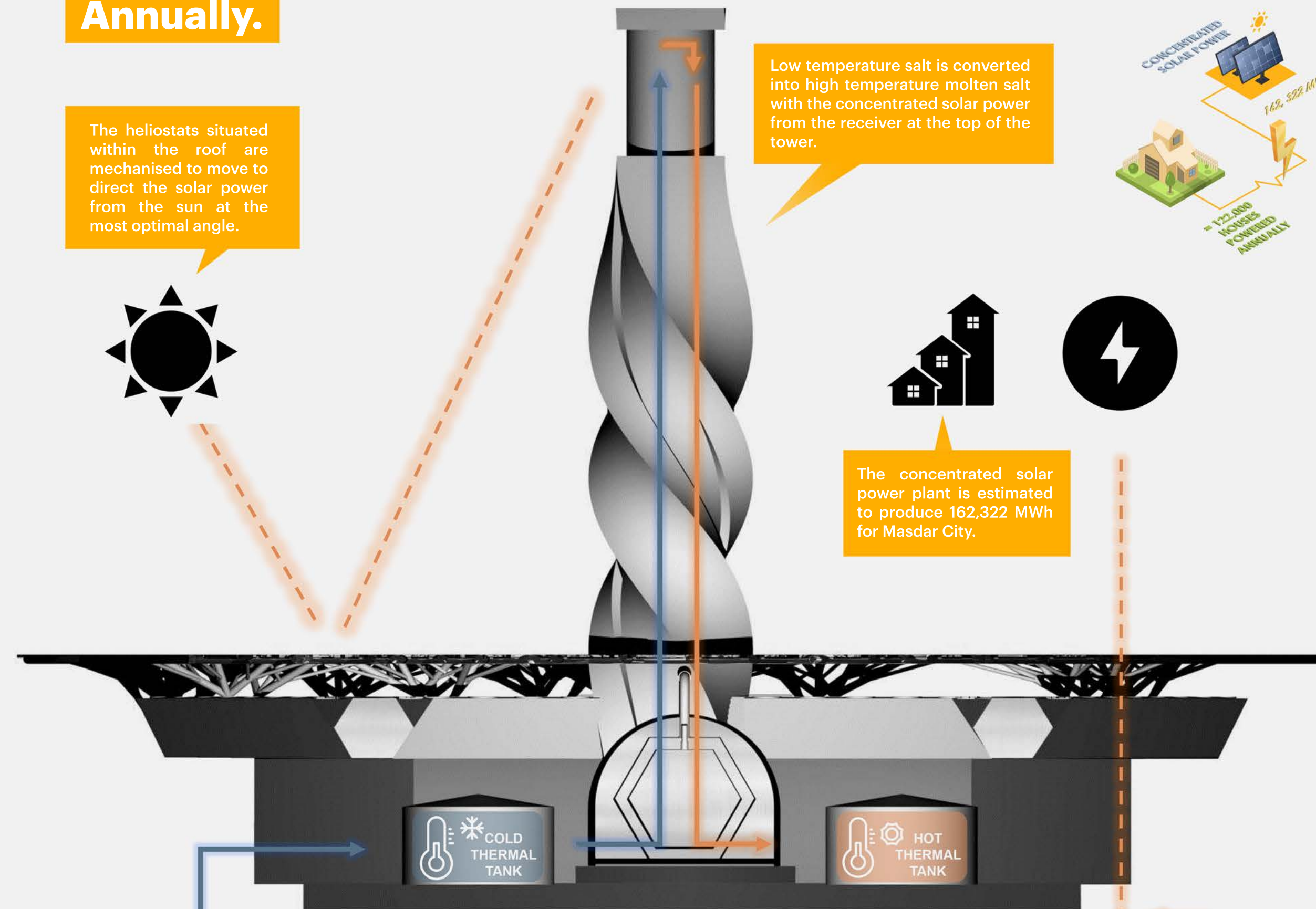
**162,322 MWh
Annually.**

The heliostats situated within the roof are mechanised to move to direct the solar power from the sun at the most optimal angle.

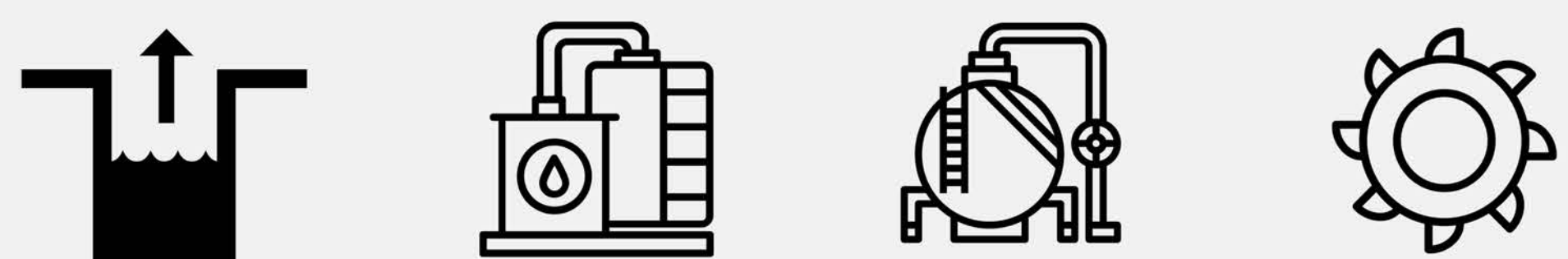
Low temperature salt is converted into high temperature molten salt with the concentrated solar power from the receiver at the top of the tower.



The concentrated solar power plant is estimated to produce 162,322 MWh for Masdar City.



The steam is then sent to an air cooled condenser which continues the renewable energy cycle. The condenser wraps around the factory walkway creating a cool micro-climate for operators.



Groundwater on site contains more than twice the salt levels of sea water.

Harvested groundwater is stored within a large water tank.

The combination of water and thermal energy from the molten salt generate steam.

Steam generated rotates the turbines which is converted into clean energy.

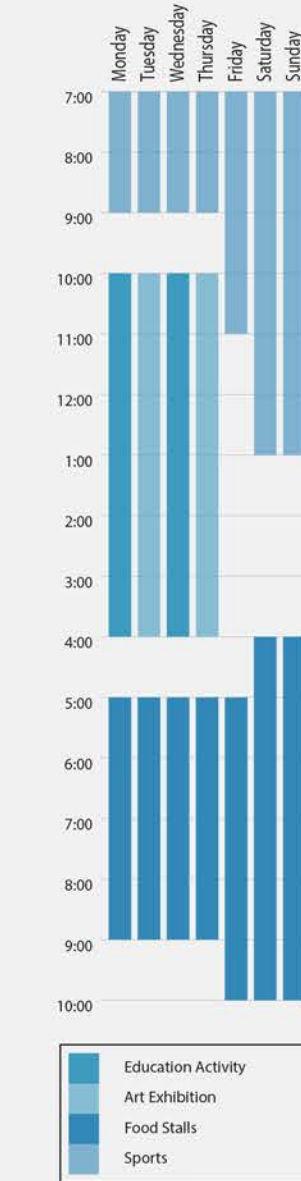
ENERGY DIAGRAM

PROGRAMME DIAGRAM

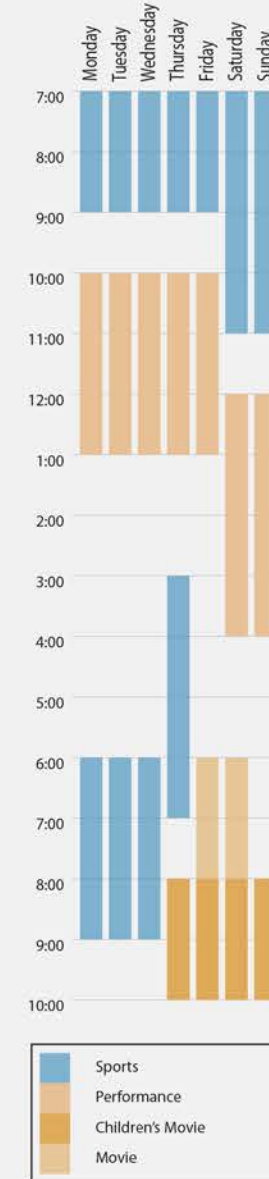
Small Zone



Medium Zone



Large Zone



Transition Space

