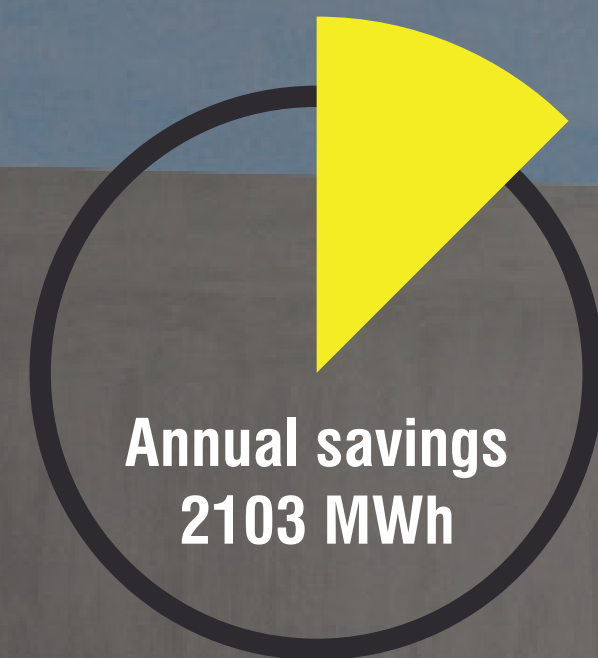
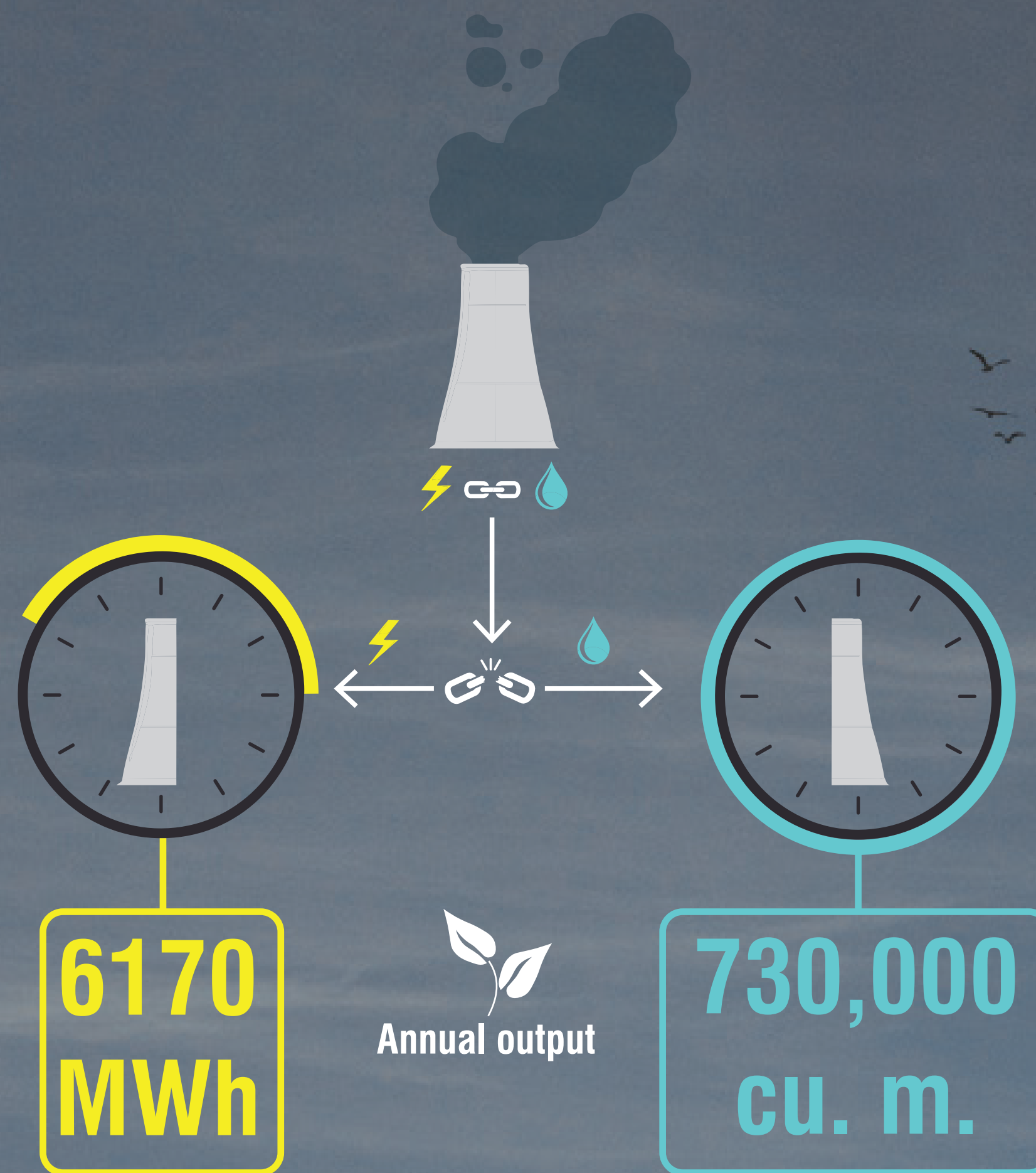


HYDROPHYLL

A desalination plant that uses solar energy to convert brackish water to potable water using gravity.



We believe that the solution to water and electricity for Masdar city is a decentralized co-generation plant. It's operational flexibility allows it to be used as a demand response facility.

During peak hours, it should cater to the electricity demand and at other times function as a desalination plant. Solar powered desalination plant has been tested by the Masdar institute and are found to be the most efficient way to go green. The Hydrophyll aims to weave this co-generation plant into the urban fabric to decentralize the distribution of water and electricity, thereby saving on transmission loss as well. Going a step further, the Hydrophyll is a sculpture that houses a solar powered reverse osmosis plant that uses gravity rather than electricity. Decentralizing makes it possible to store water in tanks, as a form of energy.

