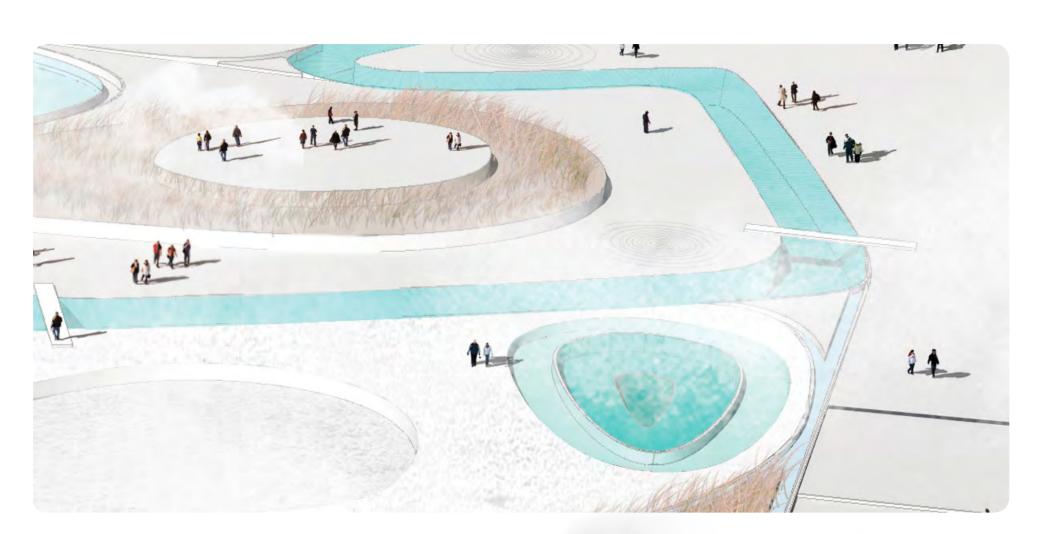


GENERATIVE TECHNOLOGY RGB Spectrum harnesses the abundance of fresh and saltwater in Copenhagen to produce osmotic power. Freshwater has a typical salinity level of less than 0.5 PPT (parts per thousand), while ocean water ranges from 30 PPT to 50 PPT, and briny water measures above 50 PPT. In the osmotic artery, seawater is combined

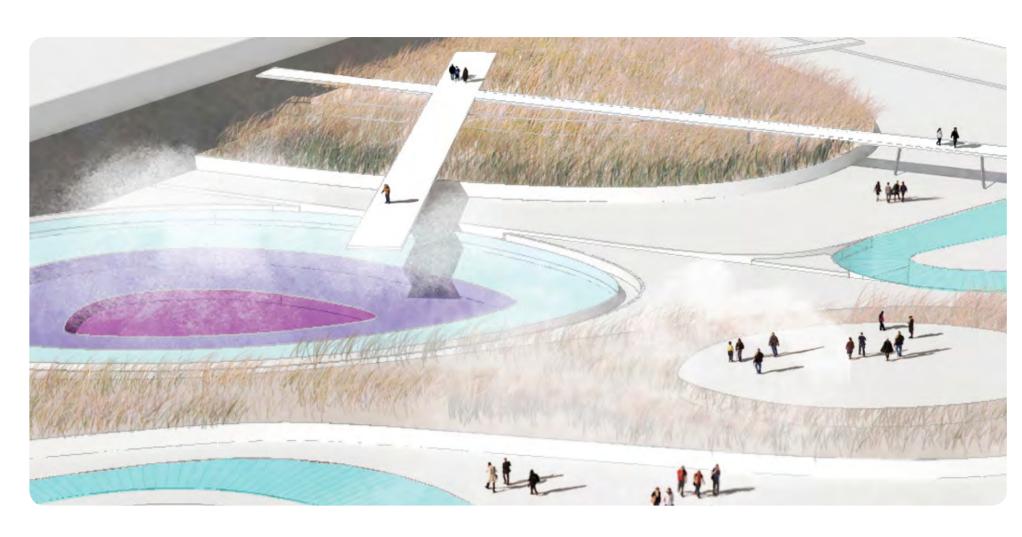
18,000 m³

5 BRACKISH WATER BY-PRODUCT

(1) HARBOR OF COPENHAGEN



with a briny solution from onsite evaporation pools and separated from freshwater by a membrane. This super-fine and tightly folded membrane maximizes surface area and, with it, energy production capacity. Unfolded, it stretches to a length of over 30 kilometers.



The difference in osmotic pressure between the salty and sweet liquids drives freshwater through the membrane to dilute the salty solution. This pressure spins a series of turbines embedded in the pier, where energy is generated and stored. Insight from the Statkraft power plant in Tofte, Norway suggests that RGB Spectrum has the capacity to produce 25,000 kWh of electricity.

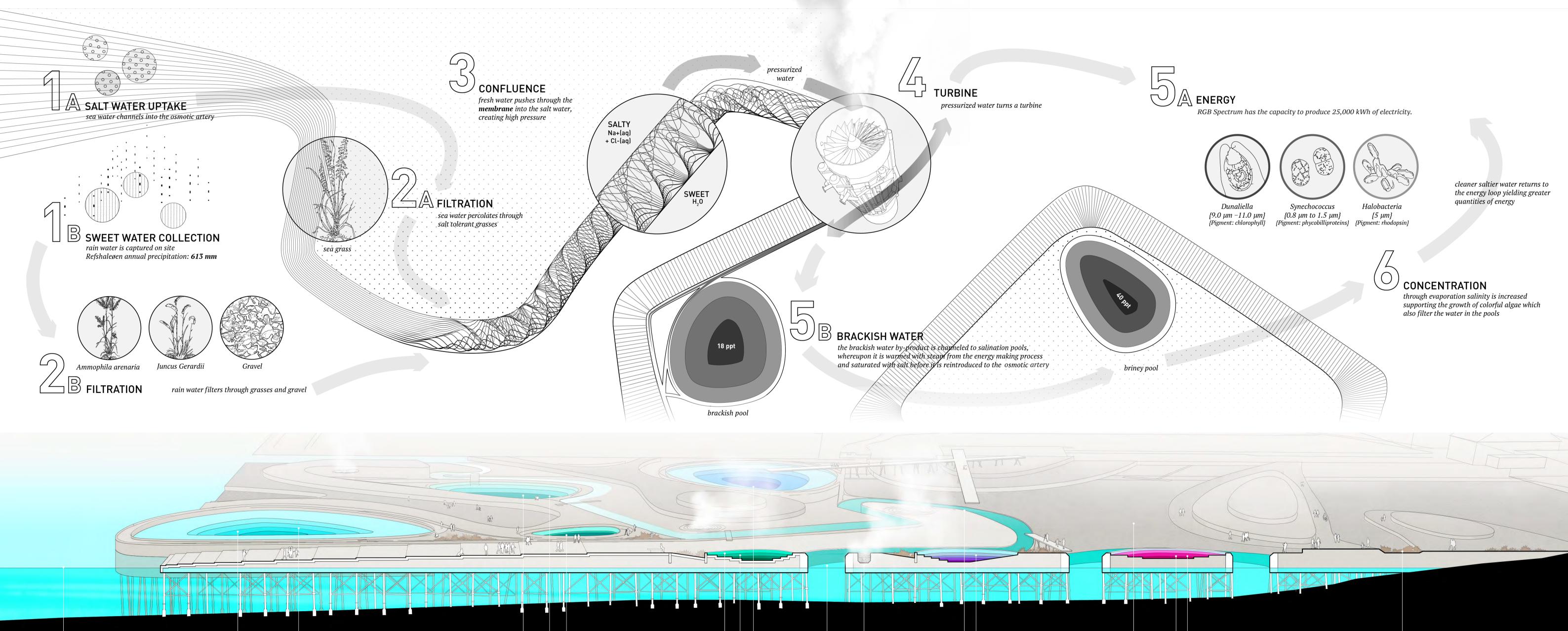
7,200 m³

6 HALOBACTERIA

1 SWEET WATER COLLECTION

(SALTY BRINE)

2 FILTRATION



15,000 m³

4,400 m³

6 DUNALIELLA (BRINEY)

4 TURBINE

1 SALT WATER UPTAKE

5 ENERGY STORAGE

4,650 m³

3 CONFLUENCE

900 m³

5,600 m³

5 SYNECHOCOCCUS (BRACKISH)