



**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

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.

