

# seaCycle

## ELECTRICITY PRODUCTION

TO CREATE ELECTRICITY, WE CREATE A CURRENT BY DIVIATING THE WATER INTO THE SITE, AND WITH THE HELP OF THE VENTURI EFFECT, WE GIVE MORE SPEED TO THE WATER PARTICULES SO THAT THEY TURN ON THE TURBINES, THAT TRANSFORM THE HYDRAULIC ENERGY INTO CINETIC ENERGY, WHICH IS THEN TRANSFORMED INTO ELECTRICITY. THE ELECTRICITY PRODUCTION PERMIT US TO LIGHTEN IT AT NIGHT BY ENER-GISING THE DIFFERENT LIGHTING SYS-TEMS.

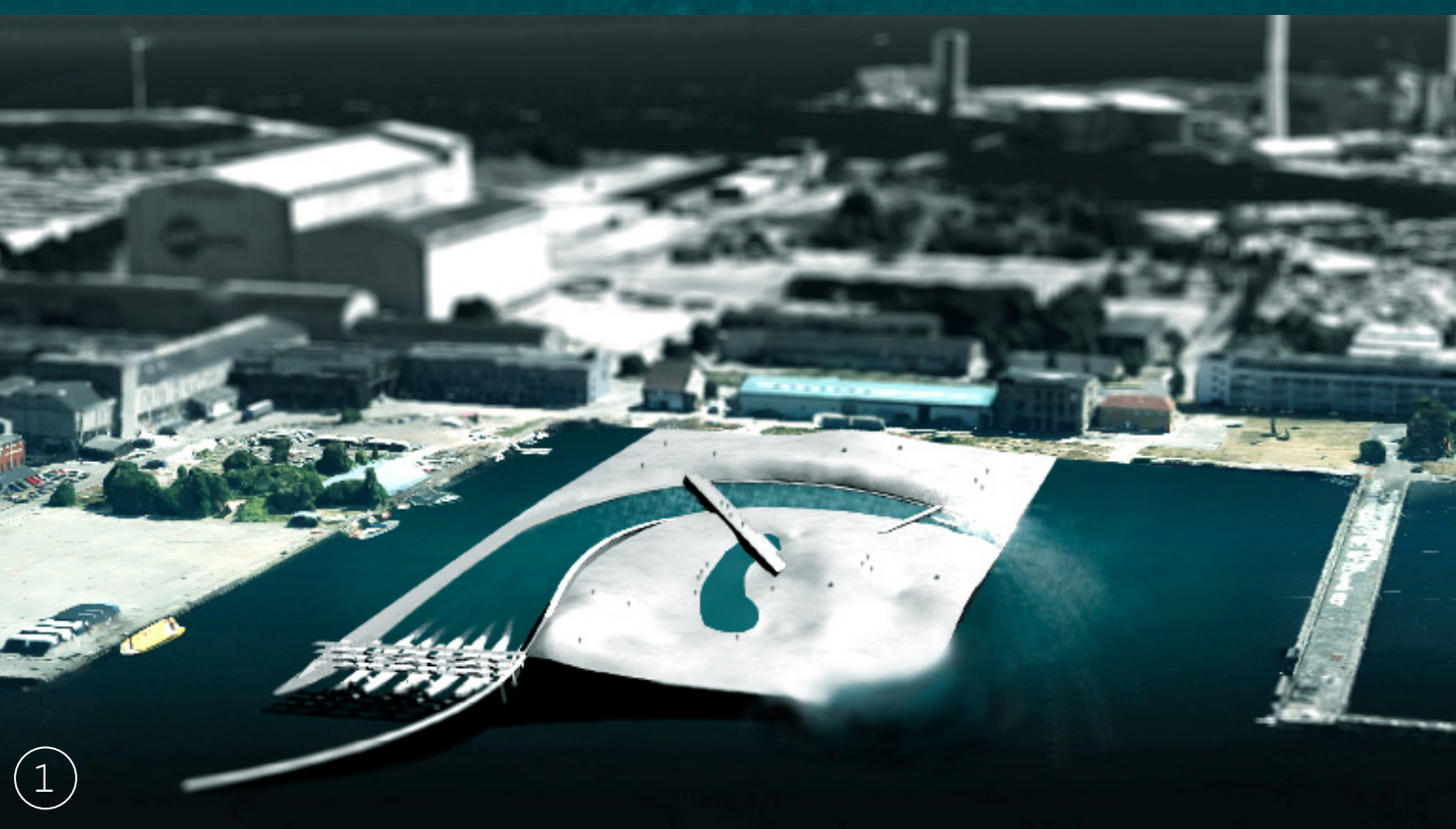
## C02 REDUCTION AND REOXYGENATION

TO REDUCE C02 PARTICULES BUT ALSO REOXYGENATE THE WATER, SEACYCLE USES THE SPECIAL ABILITY OF ALGAES, THE PHOTOSYNTHESIS. TO PERFORM THE PHOTOSYNTHESIS, THE ALGAE CAPTURES THE C02 PARTICULES, TRANSFORMING THEM IN GLUCOSE AND BY RELEASING OXYGEN IN THE WATER. ONE MORE POS-ITIVE POINT IS THAT ALGAE CAN LAT-ER BE USED AS BIOMASS, THEIR COM-BUSTION CAN CREATE ENERGY TOO. BY THE GENERATED ENERGY AS SAID BE-FORE, A LIGHTING SYSTEM WOULD HELP THE ALGEAS TO PERFORM THEIR PHO-TOSYNTHESIS AT NIGHT SO THAT THEY COULD PERFORM IT 24 HOURS A DAY.

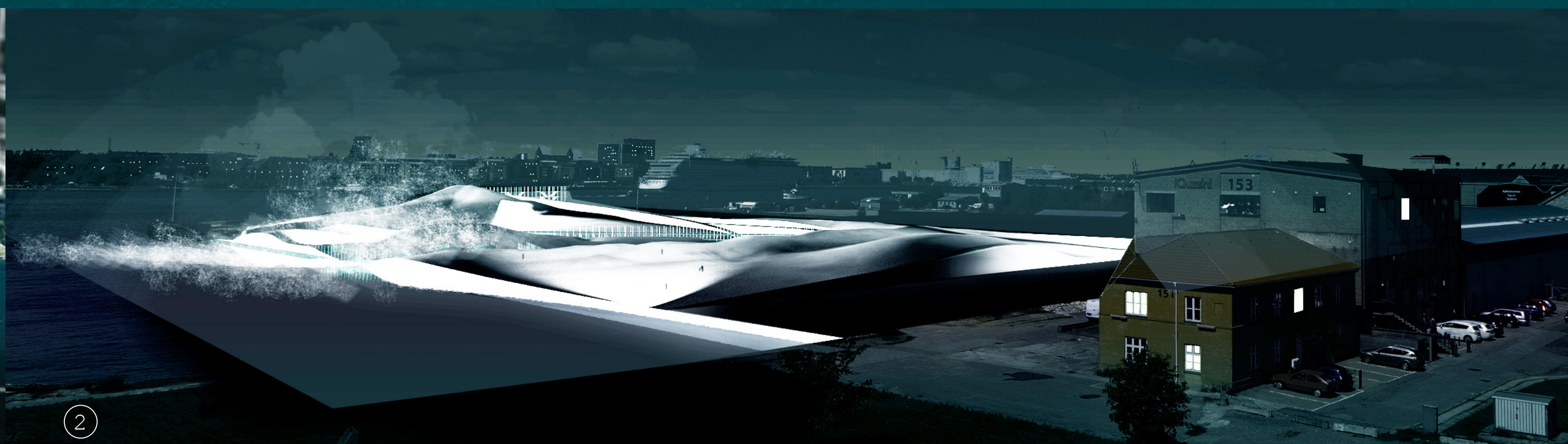


- 1 — SEA
- 2 — VENTURI EFFECT
- 3 — CURRENT
- 4 — MACHINERY
- 5 — HYDRAULIC TURBINE
- 6 — ELECTRICITY
- 7 — LIGHT
- 8 — GREEN ALGAE
- 9 — BIOFUELS
- 10 — SUN
- 11 — PHOTOSYNTHESIS
- 12 — GLUCOSE
- 13 — FOOD
- 14 — C02
- 15 — SPORTS
- 16 — URBAN SPACE
- 17 — MEDITATION
- 18 — WALK
- 19 — REJECTION
- 20 — SOUNDS

## REFSHALEØEN SEACYCLE



## INSERTION BY NIGHT



## THE TURBINES

