

Biofuel is derived from micro algae. To get this bio fuel is necessary to feed the algae with CO₂, sea water and sun, but Why algae in this project are used to produce bio fuel and not commodities like palm, sunflower and soy? For the simple fact that we are surrounded by the sea and also because the yield of algae in this area is 100 times higher. We're talking about a hectare of soy produces 468 liters of oil and algae produce between 18 700 and 46 750 liters.

These are some of the algae and oil yields:

Botryococcus braunii: 29-75% dw
Chlorella sp. 29% dw
Dunaliella tertiolecta: 36-42% dw
Schiochytrium 50-77% dw

SURFACES

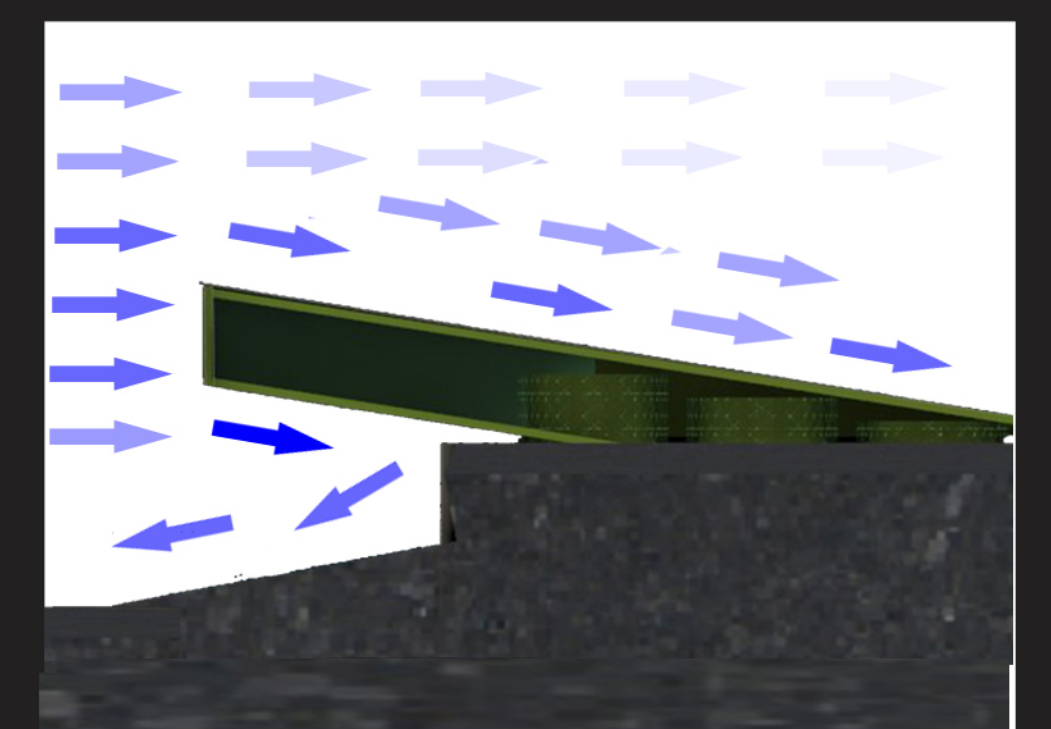
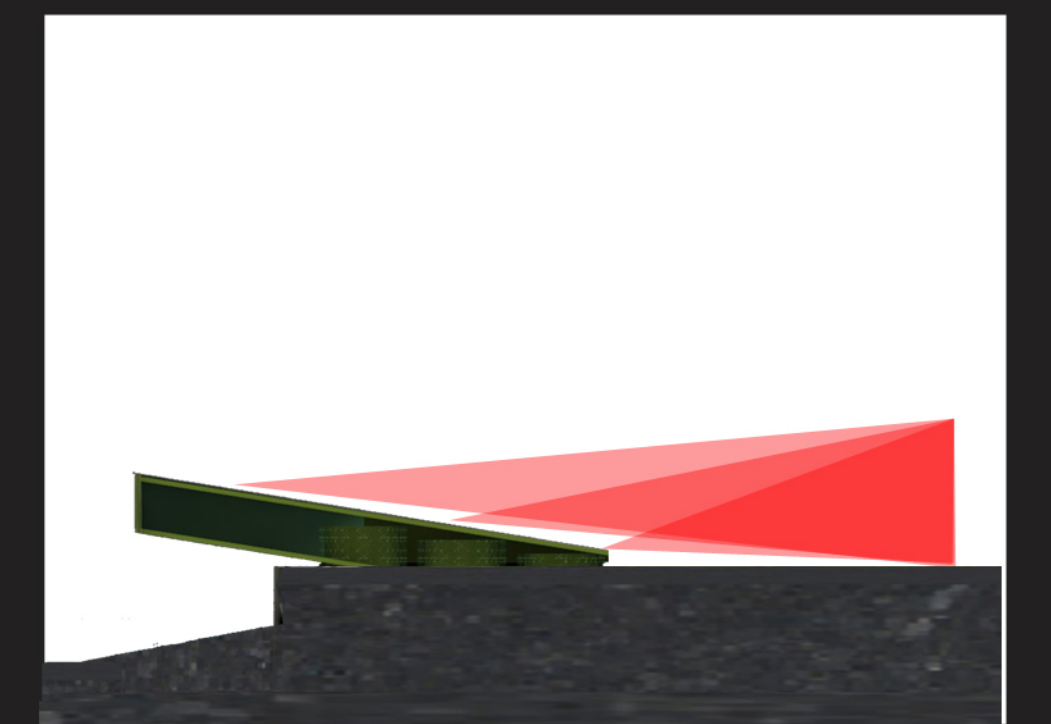
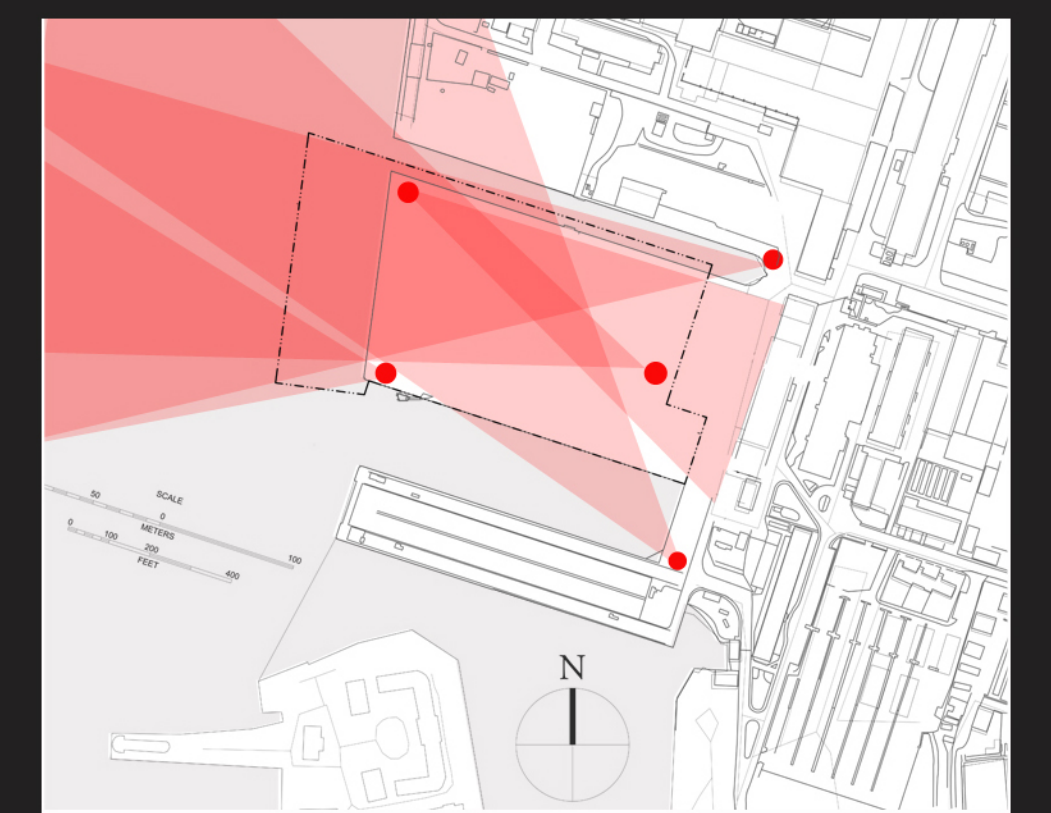
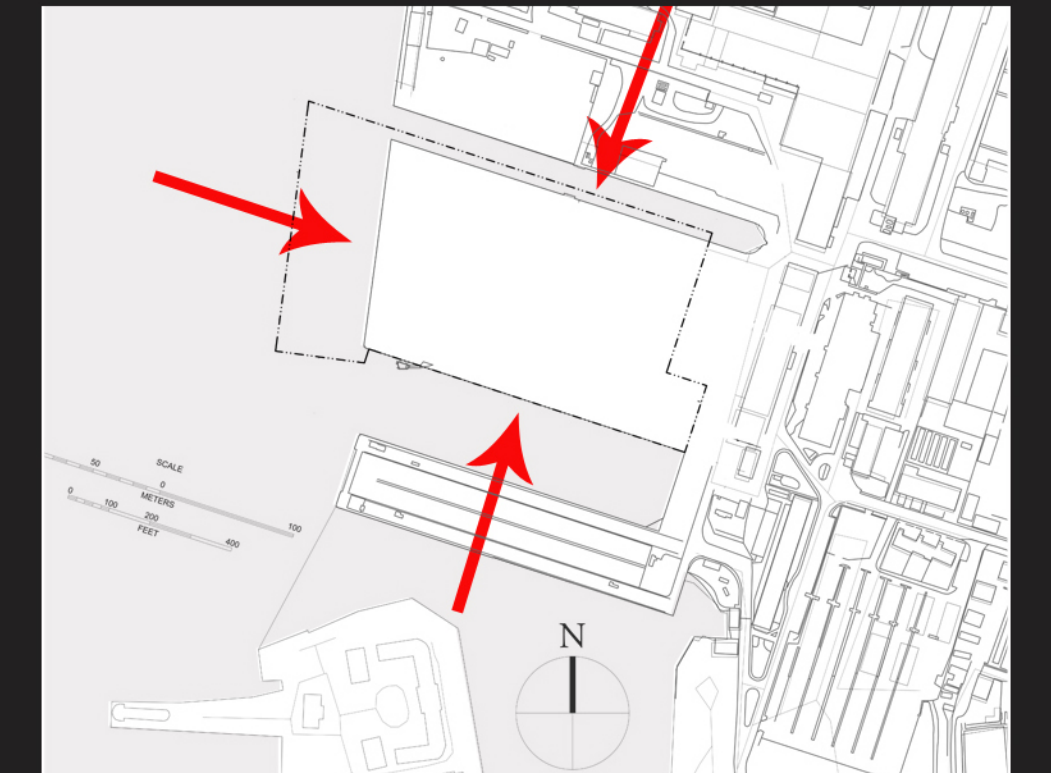
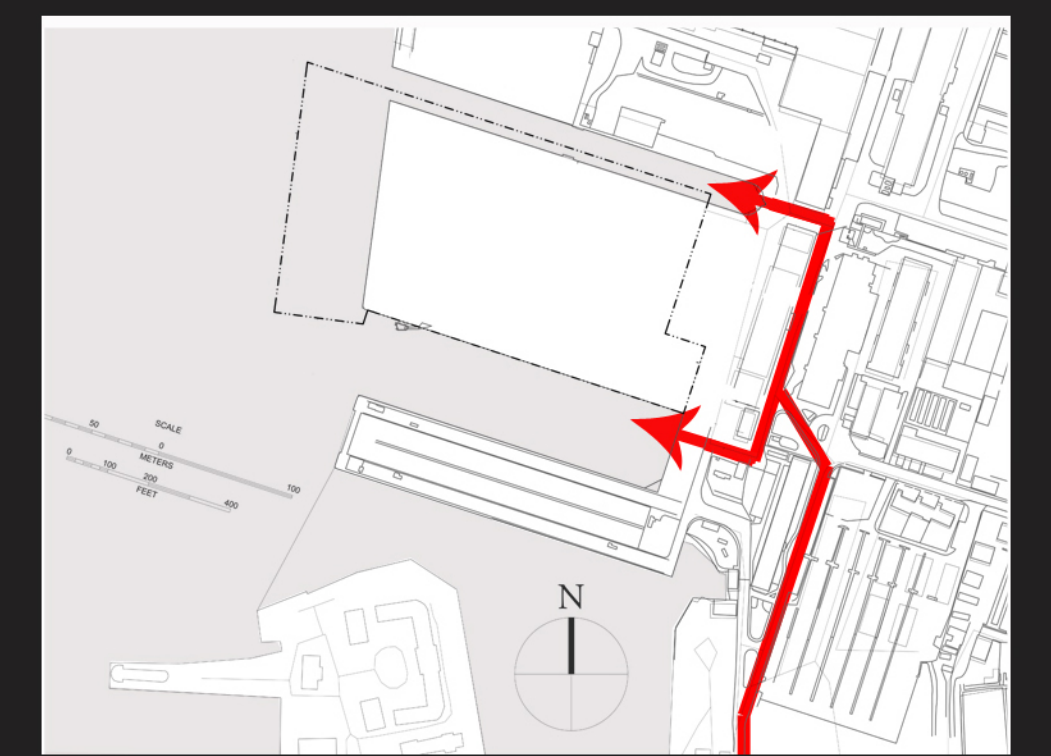
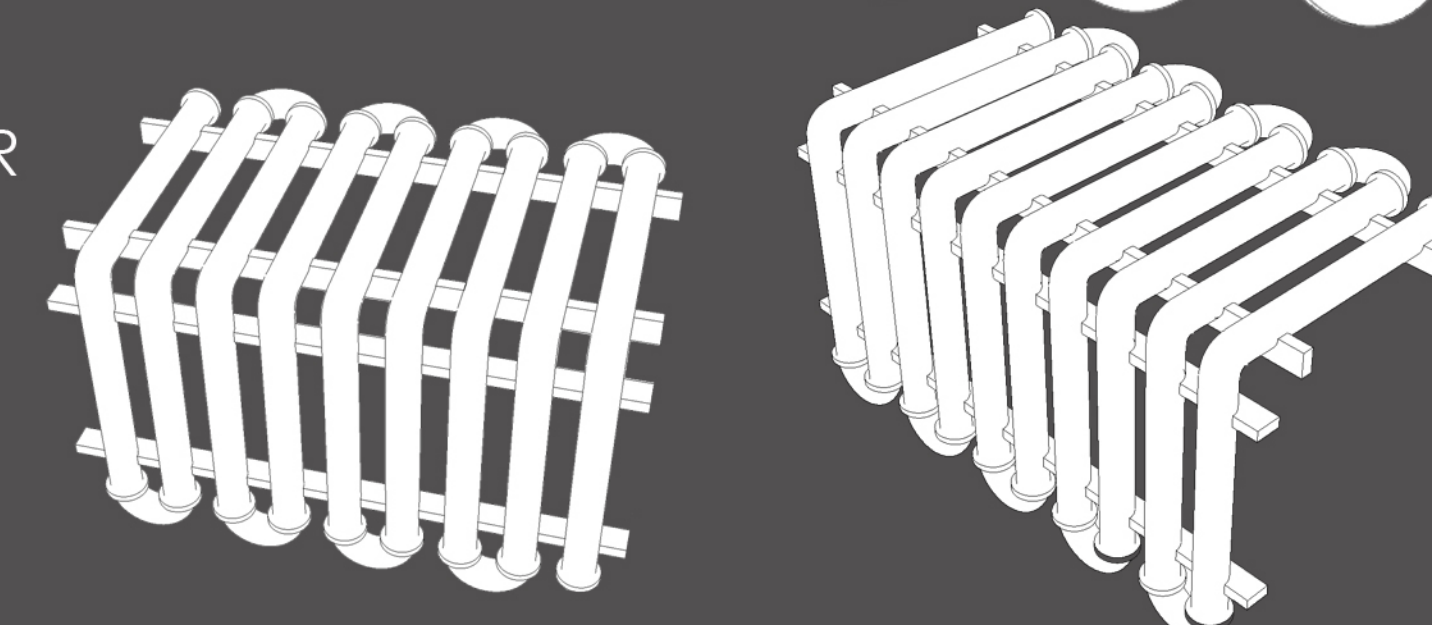
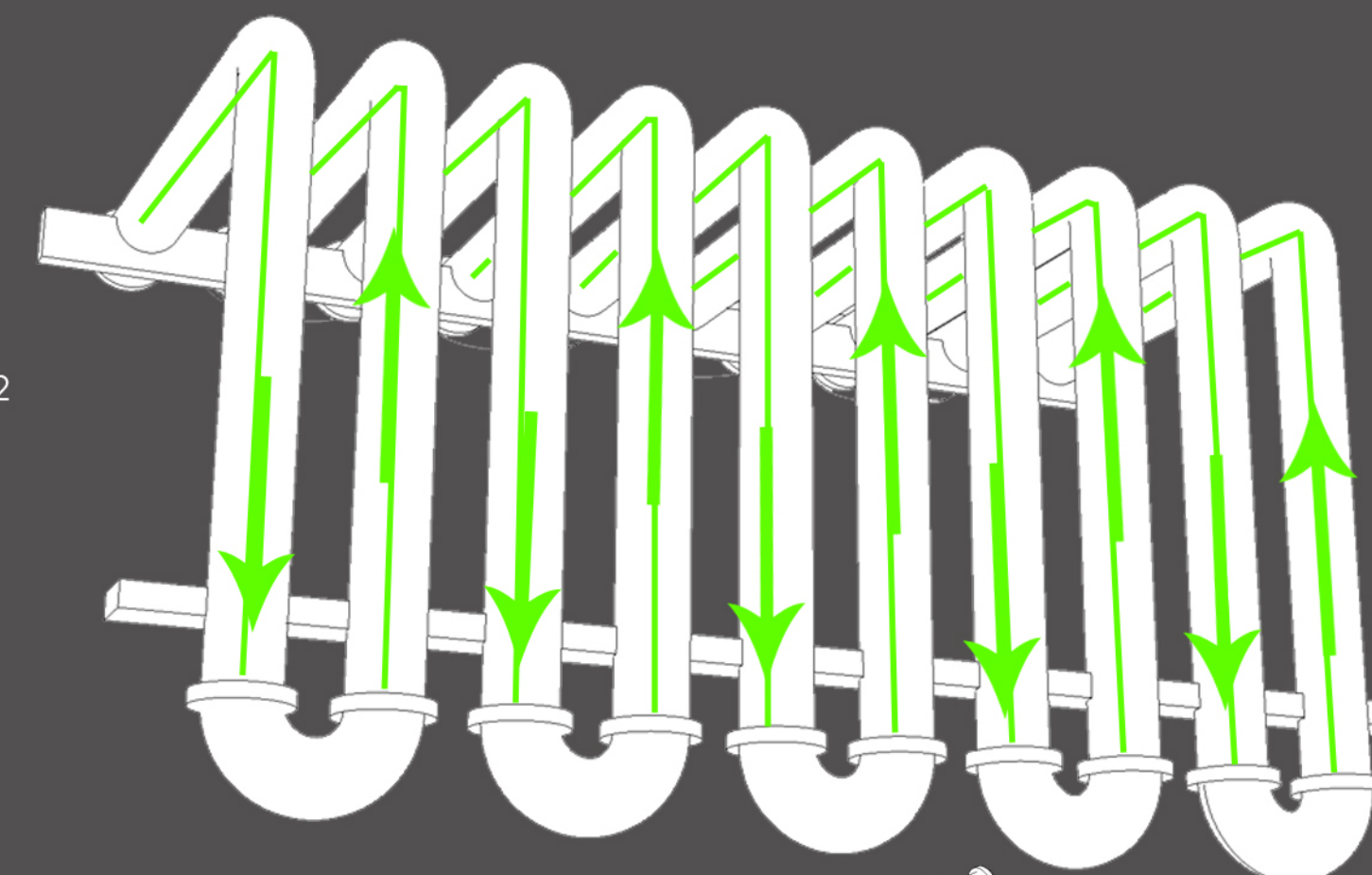
186 x 154 = 28 644 M₂
154 x 20 = 3080 M₂
186 x 20 = 3720 M₂
154 x 62 = 9548 M₂

TOTAL= 44 992 M₂

10 000 M₂ = 30 000 LITERS
TOTAL PRODUCTION 134 976 LITERS PER YEAR
A CAR USE 240 LITERS PER YEAR.



570 CARS PER YEAR



COPENHAGEN