

seaCycle

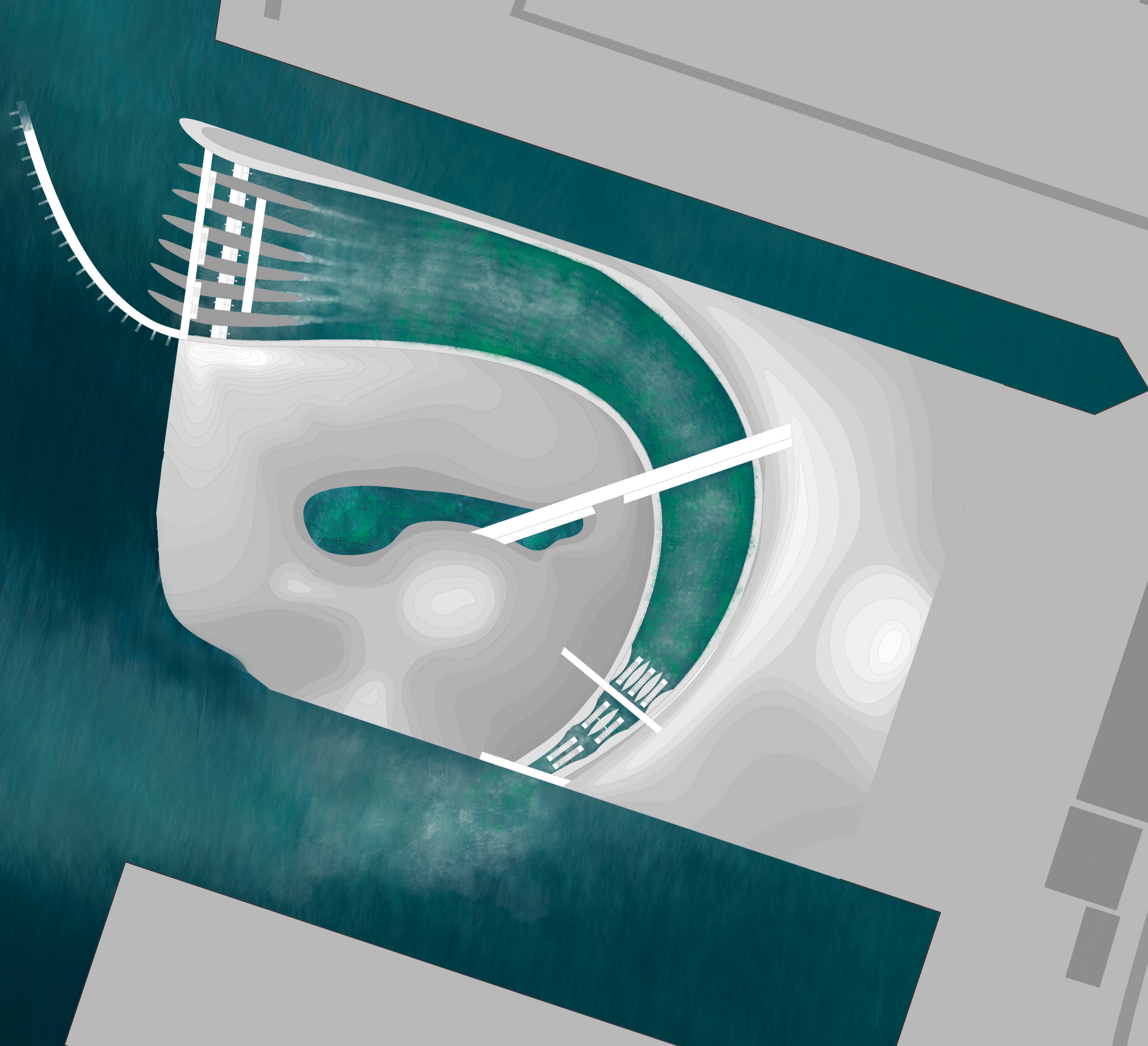
HEAR, FEEL, SEE, SENSE AND
SMELL THE ENERGY

NATURAL RESSOURCES ARE BECOMING INCREASINGLY SCARCE, SO IT IS NATURAL TO CONSIDER THE ISSUE OF ENERGY PROBLEMS IN ALL FIELDS THAT COULD CONTRIBUTE TO ITS SOLUTION, AS IS IN ARCHITECTURE. WHAT BETTER PLACE THAN COPENHAGEN SHELTER FOR SUCH PROJECTS ? ELECTED GREEN CITY OF EUROPE 2014 , HAVING PLANS ABOUT THE RESTRICTION OF CO2 PARTICULE EMISSIONS, DISTRICT HEATING SYSTEMS FOR MORE THAN 98% OF THE CITY COMPLEX, AND SO MUCH MORE, COPENHAGUEN IS A « MODEL » IN THIS PARTICULAR CASE AND AN EXAMPLE FOR EVERYONE IN TERMS OF ECOLOGY.

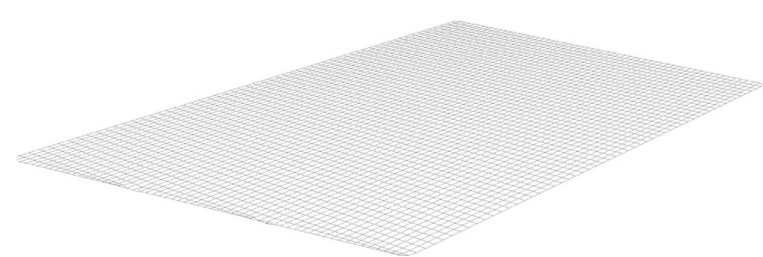
THE WATER OF THE BALTIC SEA IS POLLUTED DUE TO THE LOW CURRENTS THAT DON'T PERMIT THE RENEWAL OF THE WATER. IN ADDITION THE OXYGEN LEVEL IN THE BALTIC SEA IS VERY LOW AND CONTAINS ONE OF THE MOST IMPORTANT « DEAD ZONES » ON THE PLANET, CAUSING DAMAGE TO THE SEA WORLD WICH WOULD EXPLAIN THE SMALL NUMBER OF DIFFERENT SPIECES IN THE BALTIC SEA. BY DECREASING CO2 PARTICULES IN THE ATMOSPHERE, REOXYGENATING THE SEA WATER BUT ALSO BY CREATING ENERGY WITH HYDRODINAMISM AND THE VENTURI EFFECT, SEACYCLE TEMPTS TO REACH COPENHAGUEN'S ECOLOGICAL POLICY, BY « RECYCLING » THE WATER.

TOPOGRAPHY

TO HAVE BETTER RESULTS, WE ALSO TRANSFORMED THE TOPOGRAPHY TO HAVE A MORE HYDRODYNAMIC SHAPE, SO THAT THE WATER PARTICULES DON'T LOSE THEIR SPEED BY THE TIME THEY ENTER THE SITE TO THE MOMENT THEY REACH THE MACHINES. WE ALSO TOOK IN CONSIDERATION SOME OTHER PARAMETERS SUCH AS THE VIEWS, THE ACCESS TO THE SITE...TO GIVE THE FINAL ASPECT AND SHAPE TO THE TOPOGRAPHY.

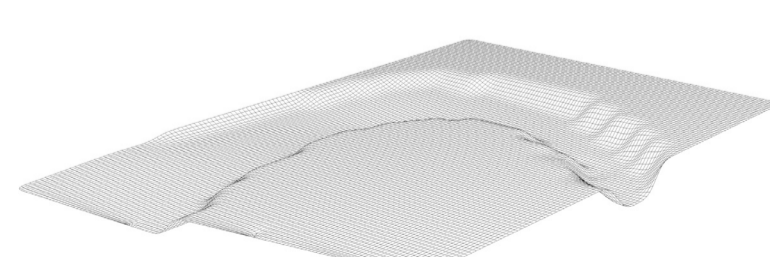


INITIAL TOPOGRAPHY



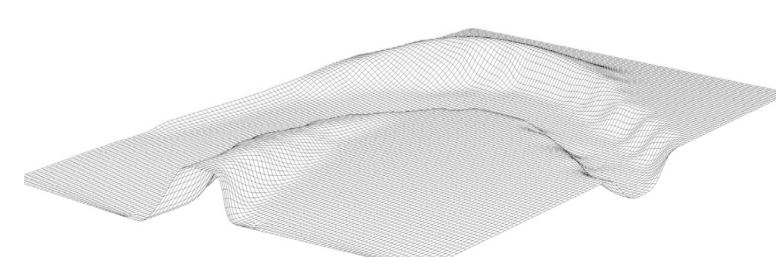
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CANAL CREATION



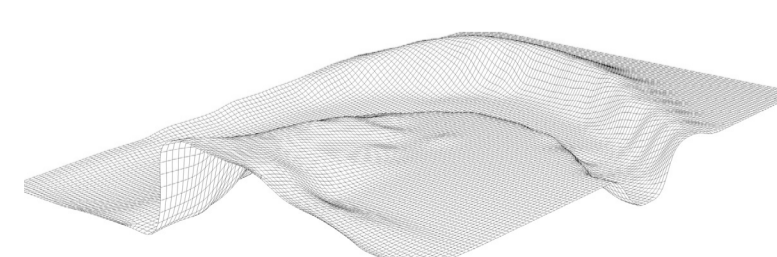
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HYDRODYNAMIC SHAPE



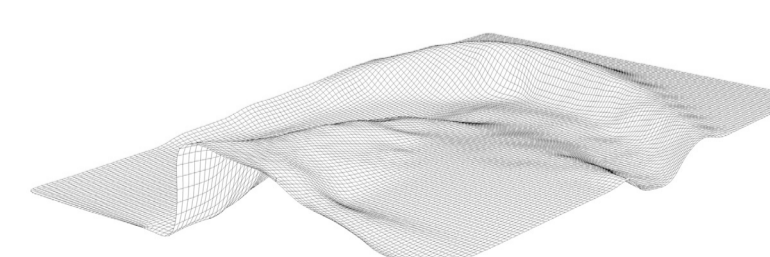
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STRATEGIC MODELING



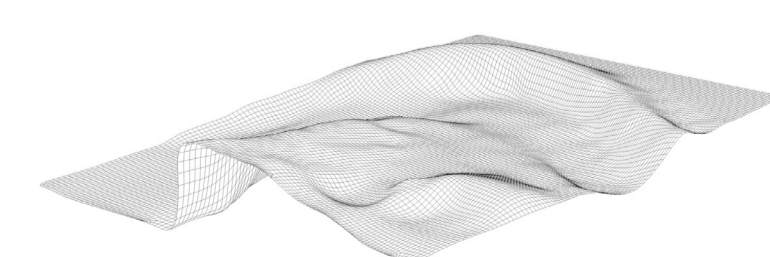
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SEA EROSION



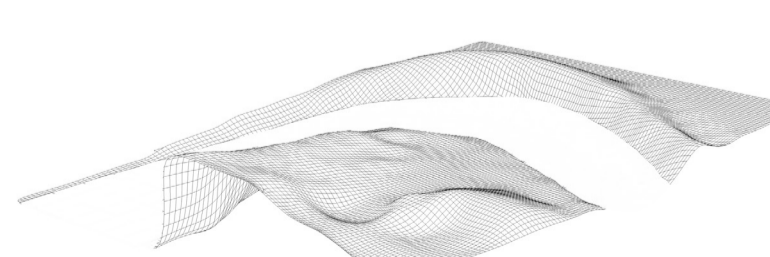
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DETAILED ZONE MODELING



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CURRENT



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