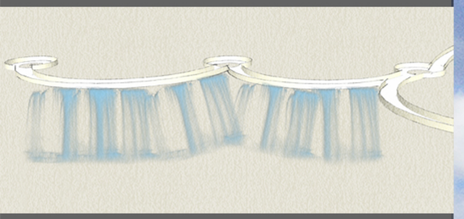
PORT WATERFALL

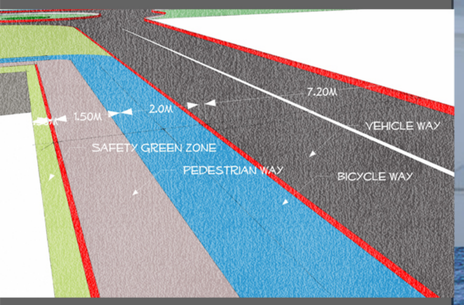
Net Produced Electricity
34650 MWh/a

Last generation products of organic photovoltaic (OPV) technology has achieved over %10 efficiency to produce electricity. Among PV technologies and products, OPV's is cheaper. OPV sheets use global radiation a nd convert to electricity. In Copenhagen area, 1000 kWh/a global radiation in average. Therefore, OPV surfaces would produce 6450 MWh/a electricity as calculated double side cover. Required electricity for pumps is compensated adequately from OPV sheets.

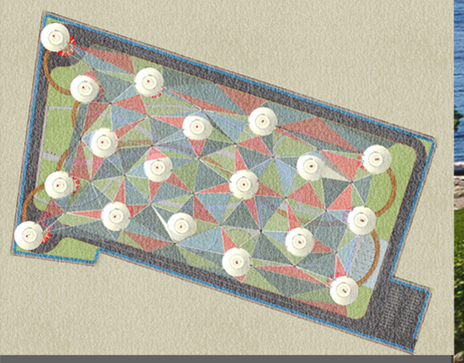
Due to its flexibility, easy installation and transparency, OPV sheets are used as supplementary aesthetical cover figure of the port for energy source of pumps.



Waterfall garden park and a sightseeing platform that provides a large view observation area to tourists and locals addresses the public directly. Due to lack of natural waterfall around Denmark, the effects of artificial waterfall combined with Garden Park caused solicit contemplation from viewers at the first moment.



Pedestrian, bicycle ways and green zones were designed on all open sides of project area.



Port Waterfall is developed eco-friendly and carbon free concept for LAGI.Due to greenhouse effect of the structure, plants and trees were going to be alive in every season. Thus, free lands inside of the park can be used for educational and/or rural aims.