



View on the pool



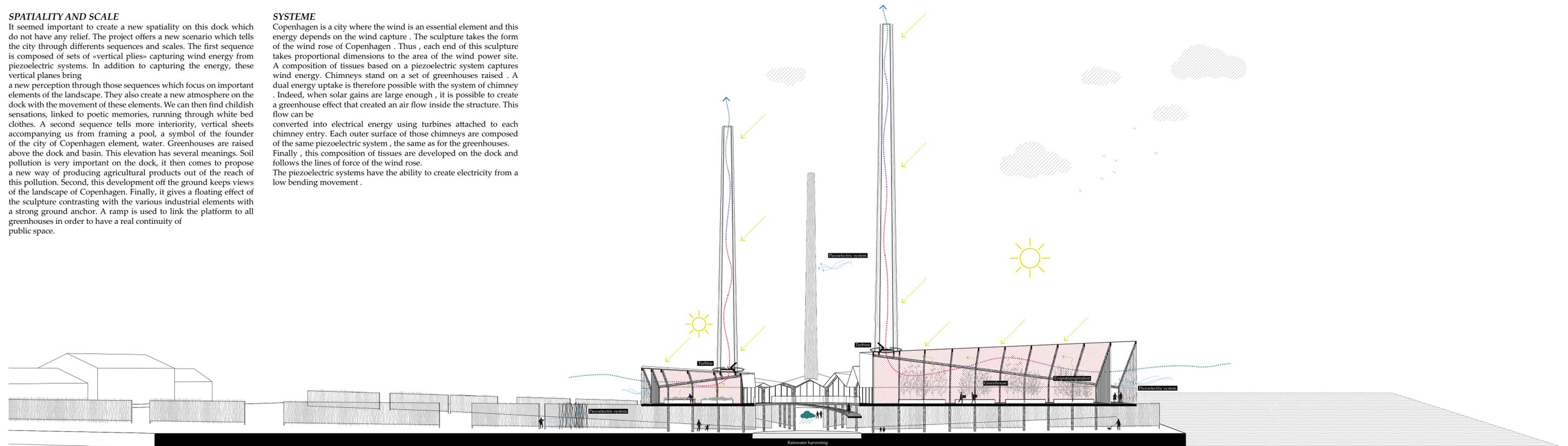
View on the greenhouse

**SPATIALITY AND SCALE**

It seemed important to create a new spatiality on this dock which do not have any relief. The project offers a new scenario which tells the city through different sequences and scales. The first sequence is composed of sets of «vertical plies» capturing wind energy from piezoelectric systems. In addition to capturing the energy, these vertical planes bring a new perception through those sequences which focus on important elements of the landscape. They also create a new atmosphere on the dock with the movement of these elements. We can then find childish sensations, linked to poetic memories, running through white bed clothes. A second sequence tells more interiority, vertical sheets accompanying us from framing a pool, a symbol of the founder of the city of Copenhagen element, water. Greenhouses are raised above the dock and basin. This elevation has several meanings. Soil pollution is very important on the dock, it then comes to propose a new way of producing agricultural products out of the reach of this pollution. Second, this development off the ground keeps views of the landscape of Copenhagen. Finally, it gives a floating effect of the sculpture contrasting with the various industrial elements with a strong ground anchor. A ramp is used to link the platform to all greenhouses in order to have a real continuity of public space.

**SYSTEME**

Copenhagen is a city where the wind is an essential element and this energy depends on the wind capture. The sculpture takes the form of the wind rose of Copenhagen. Thus, each end of this sculpture takes proportional dimensions to the area of the wind power site. A composition of tissues based on a piezoelectric system captures wind energy. Chimneys stand on a set of greenhouses raised. A dual energy uptake is therefore possible with the system of chimney. Indeed, when solar gains are large enough, it is possible to create a greenhouse effect that created an air flow inside the structure. This flow can be converted into electrical energy using turbines attached to each chimney entry. Each outer surface of those chimneys is composed of the same piezoelectric system, the same as for the greenhouses. Finally, this composition of tissues are developed on the dock and follows the lines of force of the wind rose. The piezoelectric systems have the ability to create electricity from a low bending movement.



Perspective section