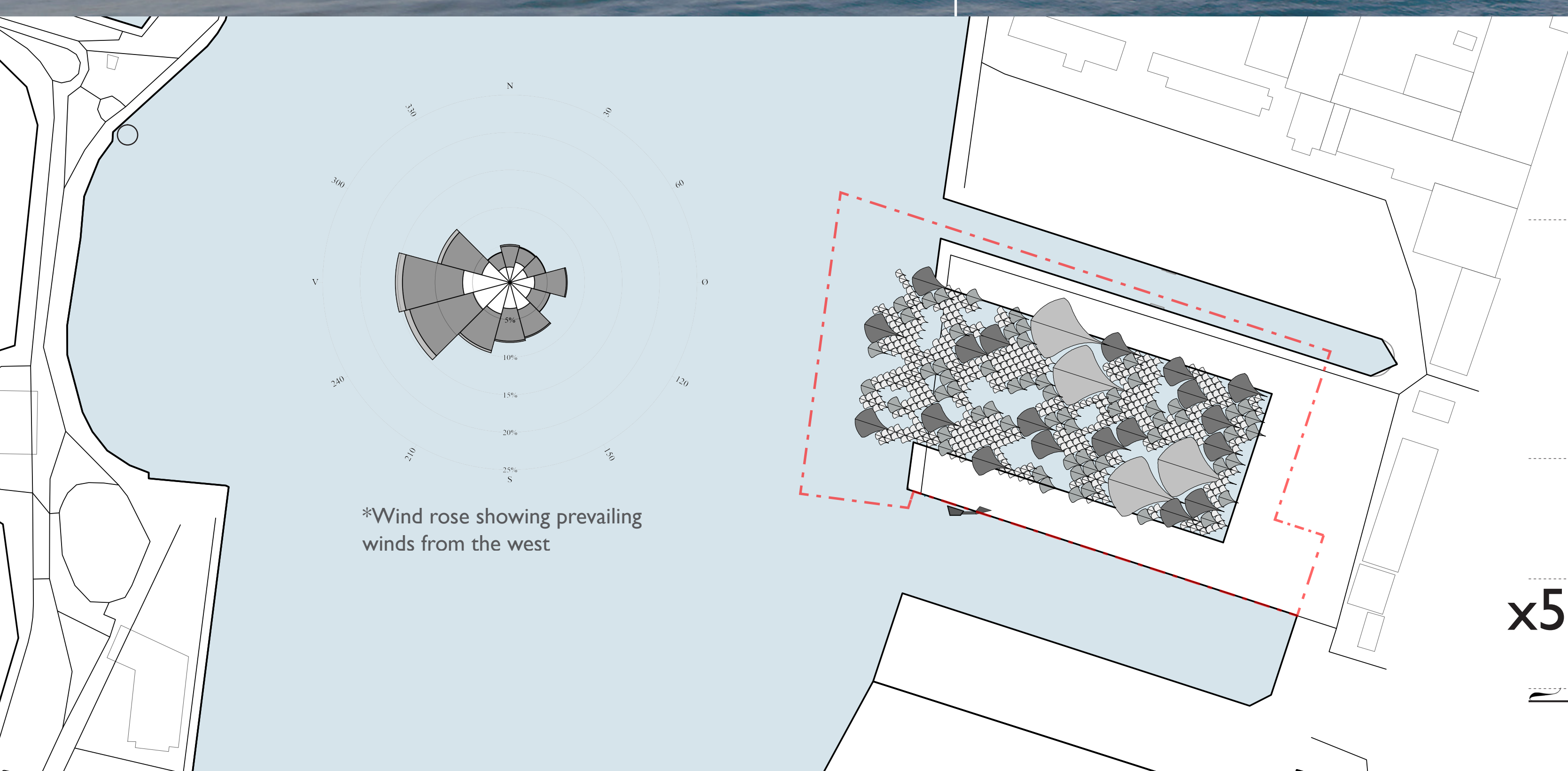




Oscillating Platforms

When looking at the island of Refshaleøen one can see its relationship with the water defined by the many piers that protrude into the strait, like fingers reaching out to grasp at its surroundings. This intertwining of land and sea is emphasized by the fact that Refshaleøen was at one point a shipyard. The idea behind Oscillating Platforms is to bring back the connection that the island had with its surrounding environment and history as well as allow visitors to recognize their relationship with the island and the water itself. This is done by excavating a section of Sønder Hoved Pier below the level of the adjacent strait to create a flood plain, in essence inviting the surrounding waterway to enter the site. This flooded area would then be populated with the core art pieces of the project, a series of freeform floating platforms which are anchored to the site. These platforms, reminiscent of inverse ship hulls, have masts and sails integrated into the design making it possible for them to catch the prevailing winds coming from the west. In addition they are meant to be habitable surfaces which visitors can use as viewing platforms out onto the water. With the iconic Little Mermaid Statue just across the strait these platforms would be great for lounging and enjoying the surrounding environment around Sønder Hoved Pier. Aside from its pleasing aesthetics and connection with the history of the site the platforms also act as oscillating water columns which harness the tidal energy of the flood plain into electricity. The undulation of the platforms caused by the activity on its surface and the movement from the wind allows the water columns to generate energy anytime of the day all year round. With a large variety of businesses and recreational venues in the area one can imagine this installation transforming into a gathering place for both visitors and locals alike, becoming a cultural landmark as well as a beacon for sustainable energy.



*Wind rose showing prevailing winds from the west

*Total Output: 34,472,352 kWh annually

