

Refshaleøen CIRCUS HILL

plan e:1:500

ANCHORING THE SHIPYARD

CIRCUS HILL will organize the urban park where it is placed, turning into an atractor with its 22 metres height from which to gaze at the København's tradicional urban planning and at the Tivoli roller coaster. Thanks to the ferry station, the communication with the city will be easy and fluent having a great attractive to develop outdoor events, which will enjoy from the views and will also offer a great showcase sponsorship.

This sculpture will generate enough electricity to provide it to all the houseboats which will circle the park in 2016. The recovered water could be used for the irrigation and maintenance of the urban vegetable gardens located along the perimeter next to the houseboats. The vegetable gardens will be transferred to the new neighbours as well as to the gourmet restaurants in the area and to the urban farmers associations. The grandstand area located on the mesh it's an ideal space for the pleasure of small performances with the city as backdrop. The open area beVlow one of the wind turbines will turn into a native vegetable conservation zone, above her a mesh of solar collectors will be used as partial canopy.

VEGETABLE
GARDENS

HOUSE
BOATS

FERRY
STATION

SOLAR
COLLECTORS

SKIN
VEGETATION

FREE
SPACE

GRANDSTAND

a. Windmill

Vertical Axis Wind turbines are more silent and efficient at low wind speeds, so they are more adapted to urban context.

Main turbine: 3600 kWh gear
Secondary turbines: 1150*6=6900 kWh gear

b. Skin

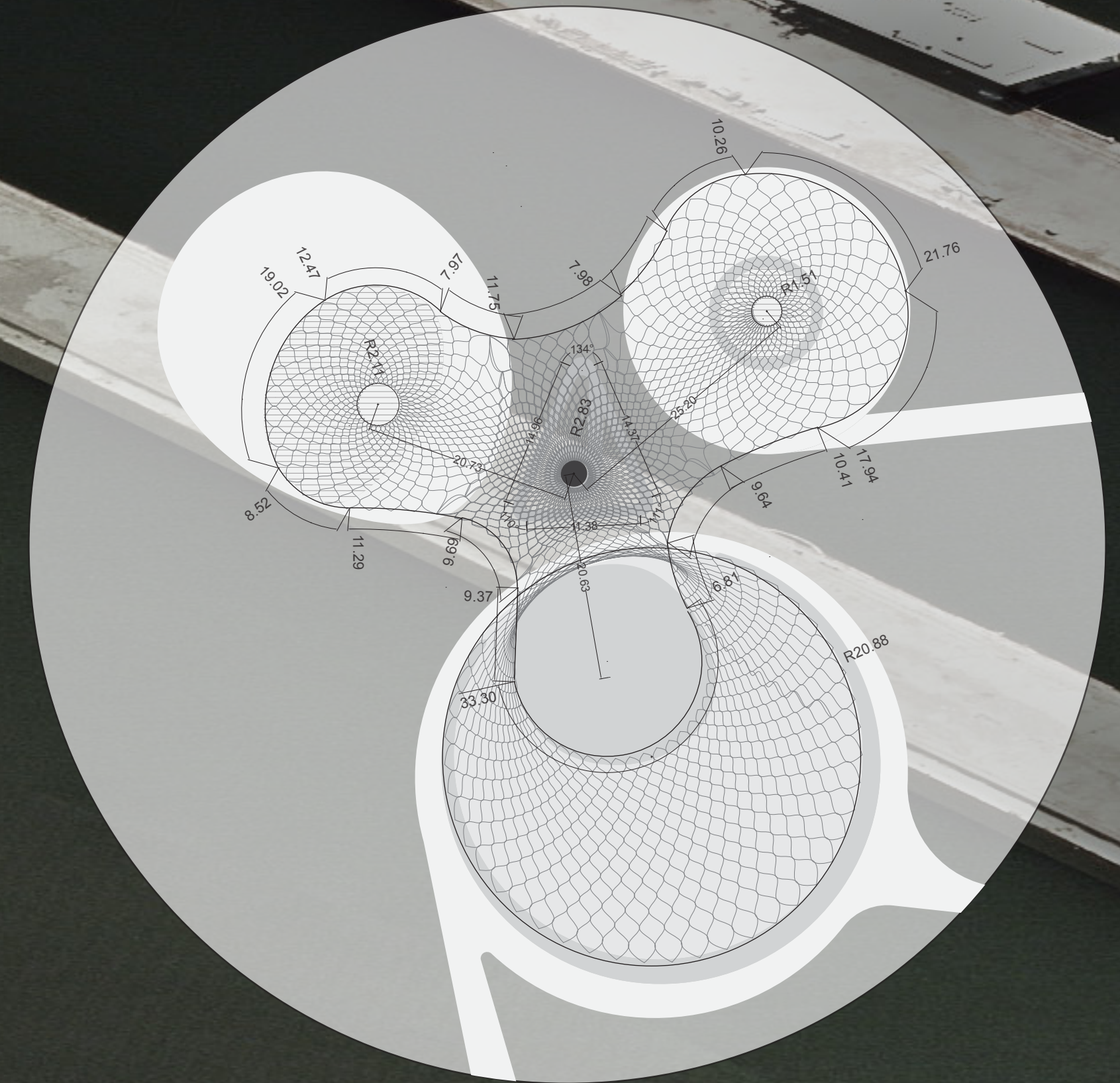
Light structure strategy means less impact, less transportation cost, less building time, maximizing resources.

8300 m structural cable,
3729 tensile nodes,
214 m edge structure,
55.530 kg total weight,
2822 m2 cover place,
19,6 kg/m2

c. Free plot

The proposal acts as an activity node for the plot:

Farms related to the Housing border
Fairs
Cooking activities
Fashion showrooms
Art exhibition.



environment

