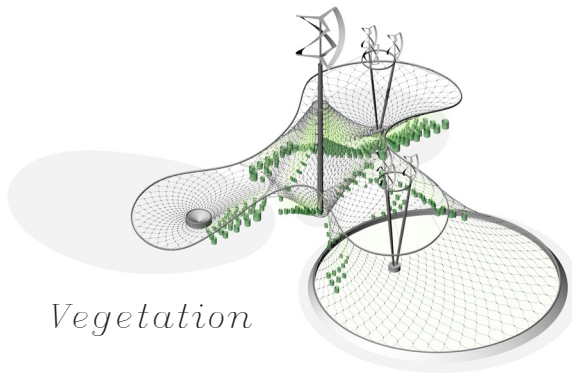


Refshaleøen CIRCUS HILL

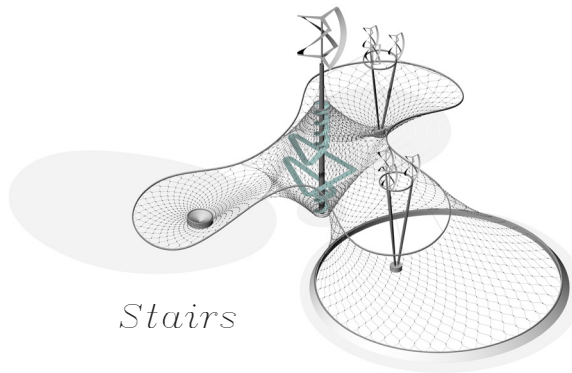
PROFITABLE SHELL-PUBLIC HILL

During the prototype’s development, a systematic analysis is produced, depending on the place of establishment. This way, climatic, formal and energy conditioning are generated. The establishment area will be defined as well as the social needs which will determine the energy exploitation, the amount of rain water recovery, the solar protection desired, or the public use areas. The Refshaleøen mountain is formed around 3 wind turbines. These are tested models such as the -Aelos-V 5kw and Aelos-V 600w- vertical axes wind turbines , which are the most appropriate for urban areas due to its urban friendly characteristics, and high efficiency in low speed context. Aelos-V 5kw and Aelos-V 600w. We use recycled plastic sheets HDPE, to generate covered habitable spaces and grandstands. The areas with the more appropriate slopes and under more sun exposure are covered with the solar collectors Motsolar , thin film, hight efficiency. These models are the most suitable for fixing on meshes and light flexible surfaces.

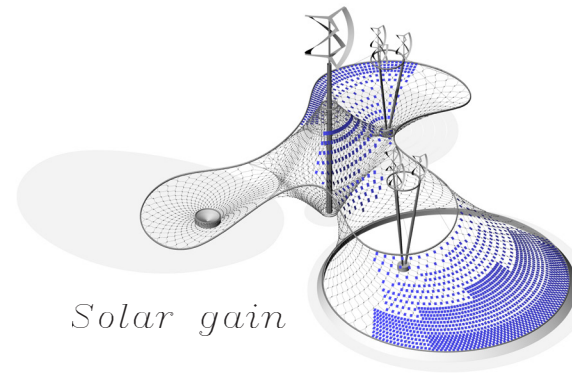
uses



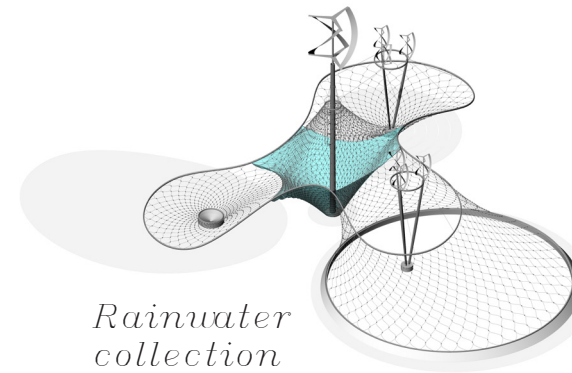
Sr S A



Stairs

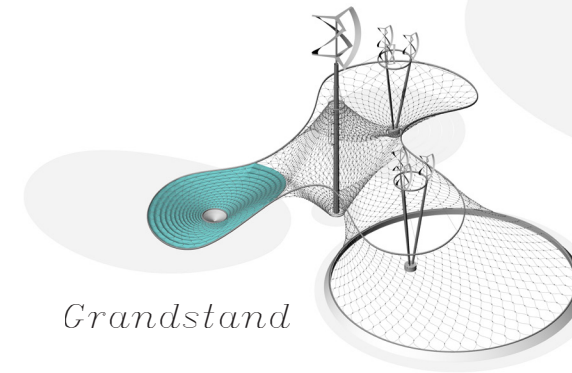


Sr Qr A



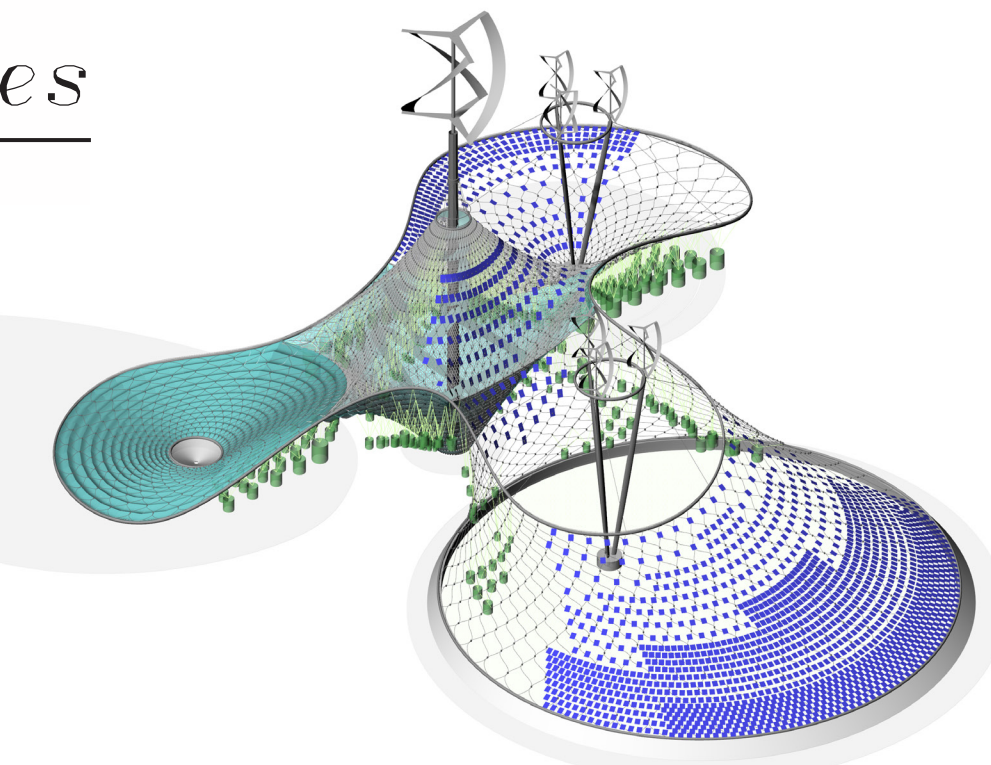
Rainwater collection system

S



Grandstand

A S

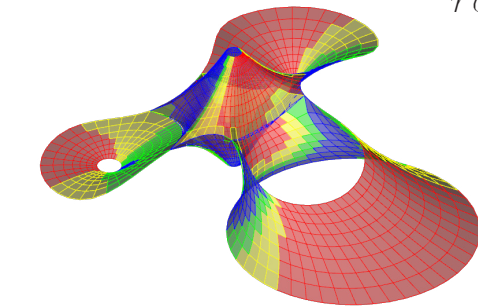


skin parameters

Sr

Solar radiation

Exposure of the skin to solar radiation.

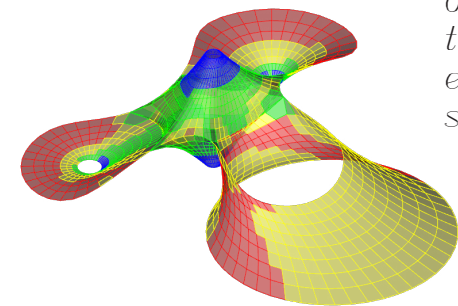


0 1140 Kwh

Qr

Quad ratio

Quad ratio proportions could benefit or be prejudicial to the installation of elements with fixed sizes.



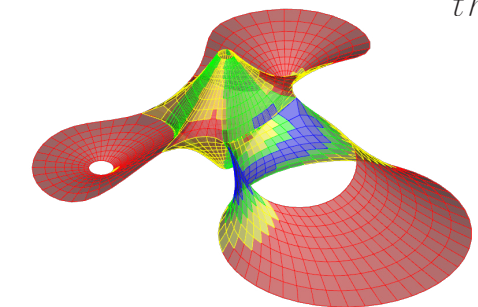
0.06 0.97 x/y

x y

S

Slope

Slope is essential to determine uses over the skin

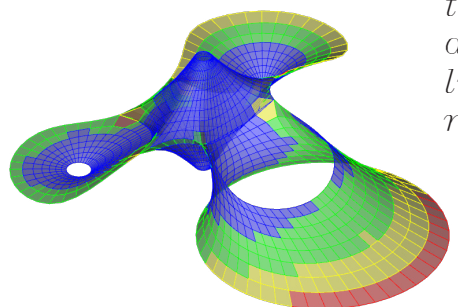


90 77.5 45 22.5°C

A

Area

Quad area affects the subdivision of different elements, limiting the number per quad.



0.26 13.5 m²