



“A STORY ABOUT MANGROVES”



Context:

Nature itself is the most important ally in the fight against CO2 emission. Therefore it should be the main goal to prevent existing nature reserves. Mangrove woods are an important part of the regional nature of Abu Dhabi. They are not only filtering carbon dioxide from the air and cleaning the water, they are also living space for many animals and natural protection against sea surges. The worldwide annual deforestation of mangroves causes up to 120 million additional tons of carbon dioxide in the atmosphere.² The design wishes to draw attention to this important issue and wants to point out that mangrove woods of the region and of the rest of the world are very important and underestimated carbon-reducers.

Concept:

The mental model of a mangrove tree has been transferred to the design: the visible roots, which provide the plant with nutrients are also illustrated on the design and transport the produced energy as well. Different technologies like wind harvesting and thin film solar modules are used as energy sources. Additional interactive seat installations enable the visitors also to generate electricity by themselves when sitting down on a seat. These technologies has been combined with each other in an innovative way and form a sculptural object whose design refers to the archetypal shape of a mangrove tree. A bold installation transports a message about the importance of protecting our nature reserves!

<https://www.a-tv.de/wissen/Mangroven-helfen-beim-Klimaschutz-artikel3006446.html>

