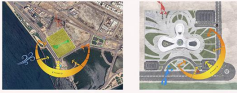


About the project:

In view of the Kingdom's 2030 vision of relying on renewable energy and reducing dependence on traditional energy sources, this needs a center concerned with sustainable energy research, as the region lacks such projects. Hence the idea of the project came to serve the region in particular and the Kingdom in general to help preserve the environment and the planet.

Site analysis:

The project is located in the Kingdom of Saudi Arabia, specifically in the Jazan region, near the heritage village and the College of Medicine for Girls, and adjacent to the site from the south and west, the Red Sea, and from the east, a street with a width of 30 m, and the area of the land is 375 * 320 m



Concept:



The evolution of the architectural idea:



Sustainability in the project:

-The use of a car park shutter to produce electrical energy



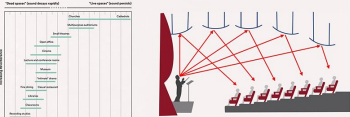
-Use of wave energy to produce electrical energy.



-Collection and reuse of pond water to irrigate trees.

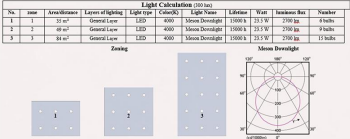


Acoustics Studies:

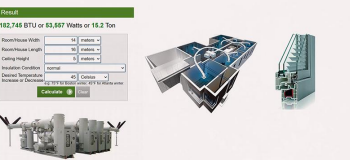


Lighting Studies:

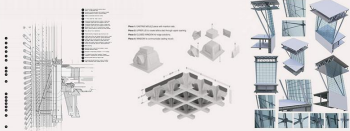
-Collection and reuse of pond water to irrigate trees.



HVAC Studies:



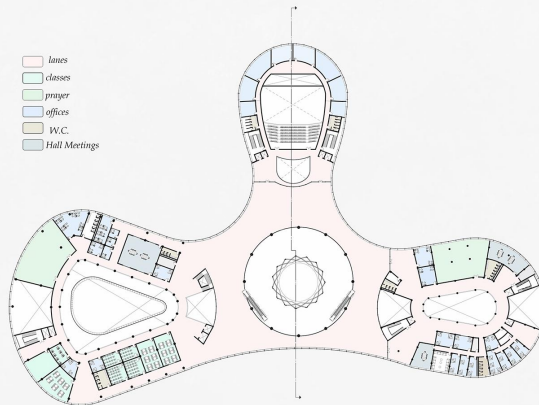
Structure System Studies:



Site Plan 1:800



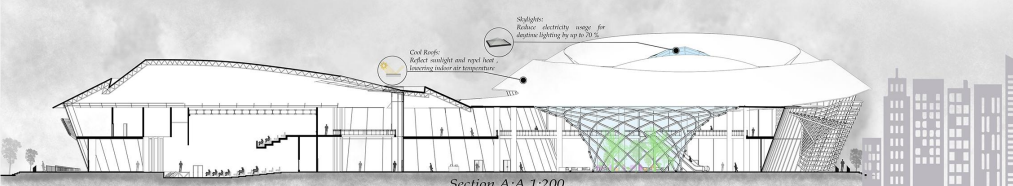
Ground Floor Plan 1:400



First Floor Plan 1:400



Second Floor Plan 1:400

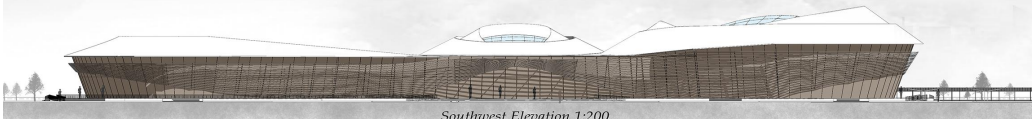
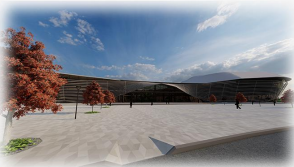
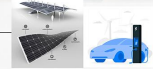


Section A:A 1:200

Sustainable Energy Research Center



**Note: Illustrative image*



Southwest Elevation 1:200