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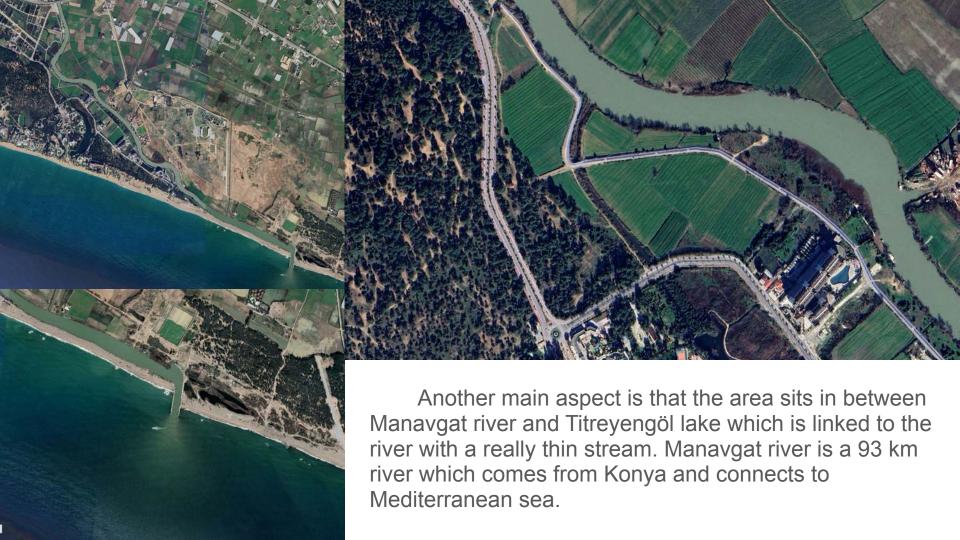
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The Site

Titreyengöl, Side, Antalya

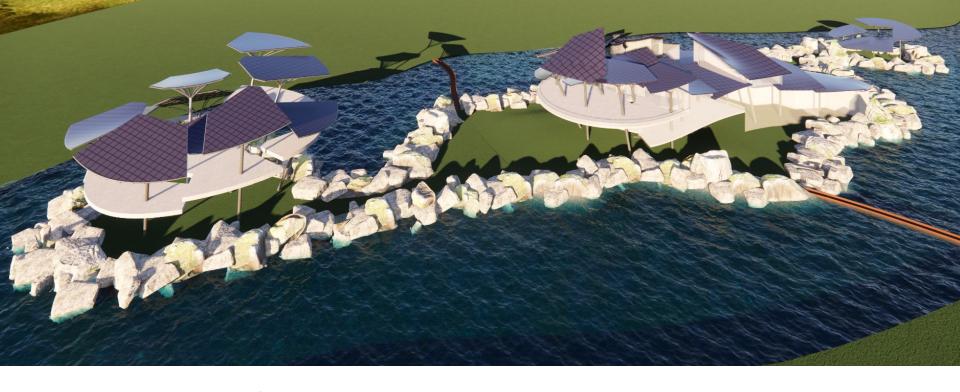
Because of the years I got to spend around the area, I have seen how the constructed environment came to its condition today. There are mainly hotel complexes which create boundaries for their properties and does not have any relation with the environment its built in. These hotel complexes are also polluting the area around by pouring their waste to the river.



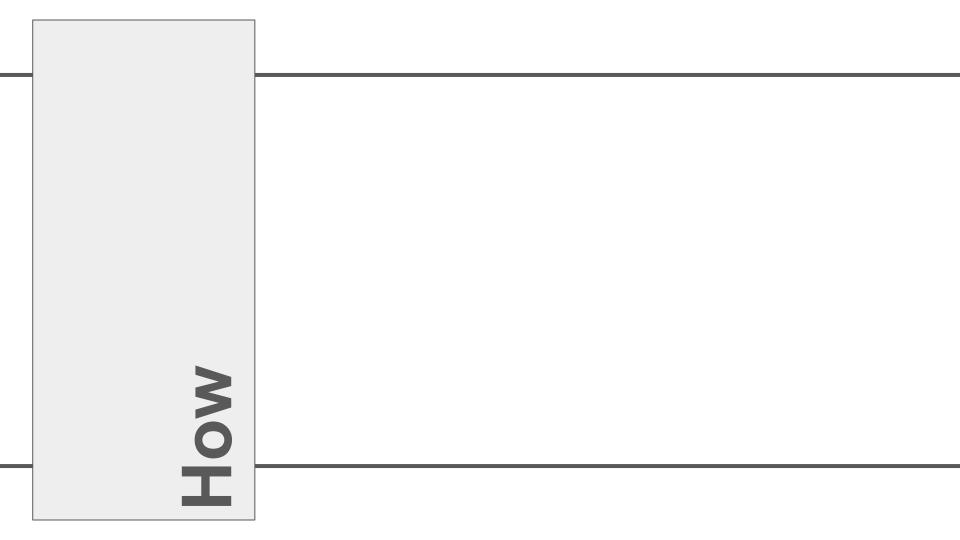


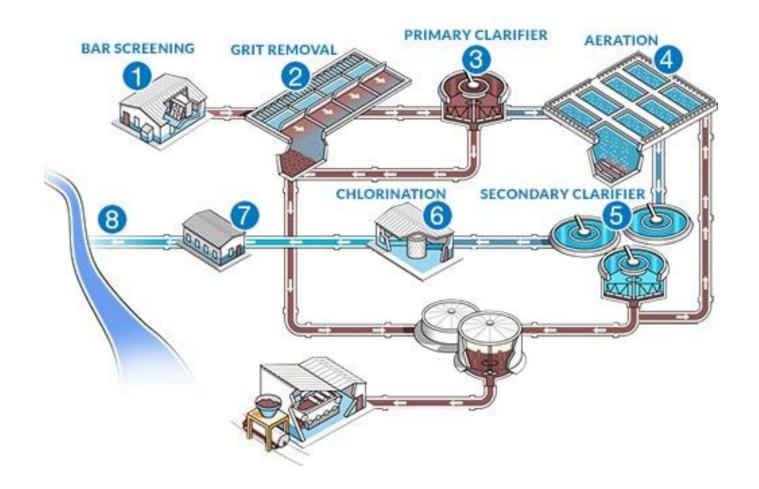
Purpose

Master Plan



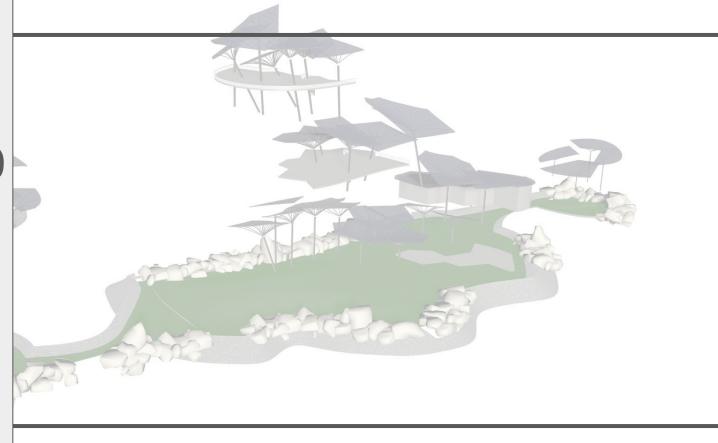
Main purpose of the building is to propose a complex which is environment friendly. It proposes a water treatment center which can be used in other buildings along the river. This will not only help with the constant pollution of the river but also clears the water that's gonna fall into rest of the ocean.

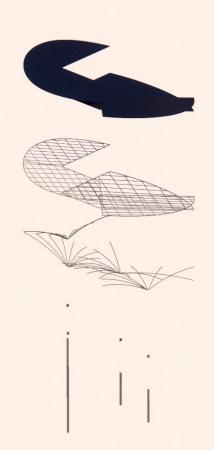




- L. Bar Screening Machines and other elements of the process might get damaged because of large-scaled particles inside the water. So first step is to filter them.
- 2. Screening Passing the water through a filter to get rid of grit.
- 3. Primary Clarifier First separation of wastewater and organic solids.
- **4. Aeration** NH3 and NO3 contact and oxygen for bacteria to develop is encouraged. This is obtained by pumping air into the storage tanks.
- 5. Second Clarifier Wastewater is ran through another clarifier to set remaining organic elements.
- 6. Chlorination To be able to kill bacteria left in the chambers chlorine is added
- 7. Water Analysis Testing for: dissolved O2, ammonia, phosphates, nitrates, chlorine and pH levels.
- **8. Effluent Disposal -** After making sure levels are satisfactory for permit, the water is drained back to the environment.

Desig he





The structure mainly carries the photovoltaic panels on top of them. They are elements which support the purpose of this complex. The mesh structure and columns are made from steel where the PV panels sit over the mesh. The end where columns meet the tree of steel pipes, there are light sources which light up and reflect under panels.

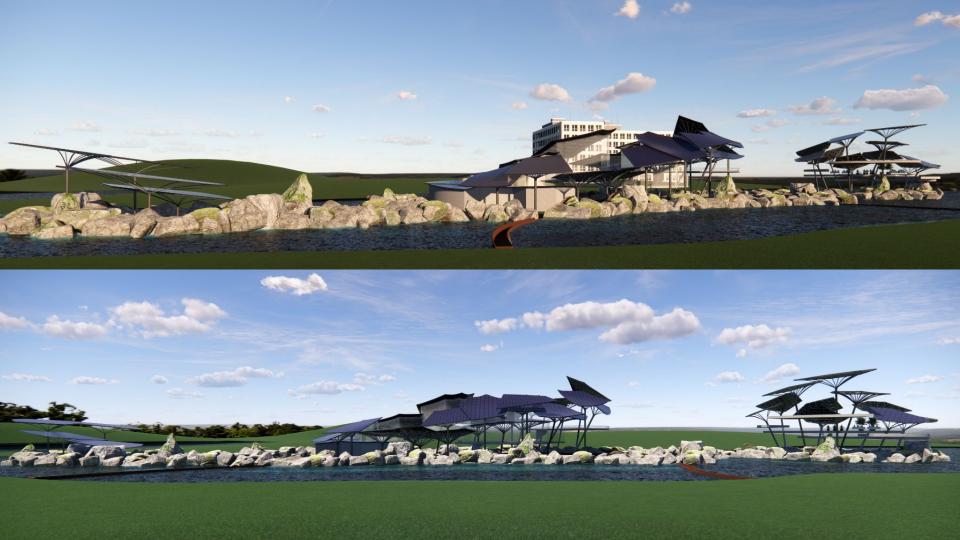


The panels and columns are firstly generated in a perpendicular manner which creates a pattern for the buildings. Afterwards taking the direction into consideration, the part where building faces south, columns and patterns got a more angled and broad way of placement. This helps with breaking the repetition of columns which is restricting to create more voluminous spaces.

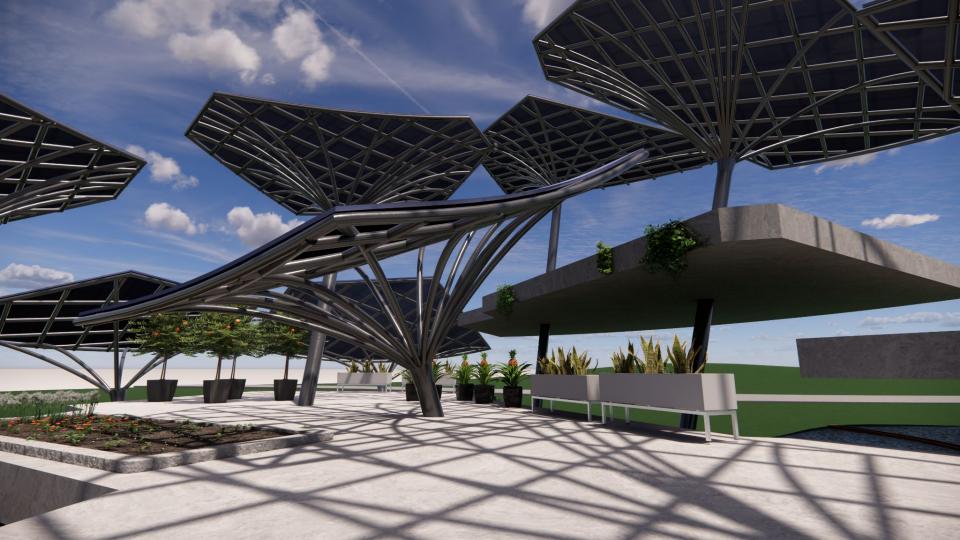




Renders











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