**The Vortex**

**Ghaf Tree**

With its very limited resouces it still finds its way to grow and be the main souce of needs to the people. Not just a nice shade on a hot desert, its leaves to is a fodder, also used in salads which is rich in protien, and its flower honey is of high quality.

It links to the structure as it is a self-sustaining element which will give comfort to the visitors through a well-planned airflow.

**Waha “Oasis”**

Its where all living being in the desert area returns to refresh and energize.

The Vortex will be the magnet for Visitors to experience comfort on the area at the same time be aware that the elements that they visited can be an icon at the same time be sustainable.

**Egal**

A headband worn by Bedouin Arab men to keep the keffiyeh in place.

The structure will be built to retain the people around it and creates bond and camaraderie.

Design Elements

**Kinetic Shakers**

A kinetic wave energy harvester

the more wind will blow on in the more it shakes and convert it to an energy which will lit its globe head at night time.

Kids and adult will be tempted to shake it as well as it’s wobbly, with

out them knowing they are contributing to its energy storage.

**Vortex Ghaf**

A wind energy harvesting tube,

wind goes through the pipes release it inside and rotates the 3 turbine hidden in the middle of the vortex. Excess wind will be transmitted below its base and transfer it to the bystander, making it as a cooling system in to its surrounding. Its weird look from a far would drag up people’s curiosity leading to social media publicity educating people how its weird look could harness electricity.

**Phone Buster Seat**

Its surface is a solar panel and a wireless phone charge, making people to try it makes them away from their phone leading to more social interaction cutting the stigma of people being on their phone.

Solar cell are dome type which does not need proper direction of the sun just to harvest energy.