**Mangroves light**

The Glory of (or light)Mangrove is a name of a plan that is combined with the organic texture of Masdar City and it's also associated with ecosystem function of this plant in the area.

Mangrove prevents the natural ecosystem from destruction. In addition, its roots have special forms that can create an astonishing shape.

We brought some room for entertainment and producing renewable energy by combining the forms of the roots of Mangrove and creating some plane between the lines of the roots.

Regarding producing renewable energy, we put microturbine between some space of roots and flexible solar panels in some other free space, exactly like the function of Mangrove that separate water and salt in according to its demands.

Furthermore, there is a carousel under the roots. by revolving it, the generator of top of the treillage can produce energy.

A review of the base of Abu Dhabi ecosystem put us through to use these roots as a vessel of water. these pipes contain 2 layers, the external layer is made of fluorescent that would keep solar panels and other facilities chill

•Microturbines operate by airflow and produce needful energy.

•Pipe contains 2 layers, the external layer that is made of fluorescent would keep solar panels and facilities chill.

•By revolving carousel, the generator on top of the treillage would produce energy.