

RETURN RATE WITH COSTS

SOLAR ENERGY

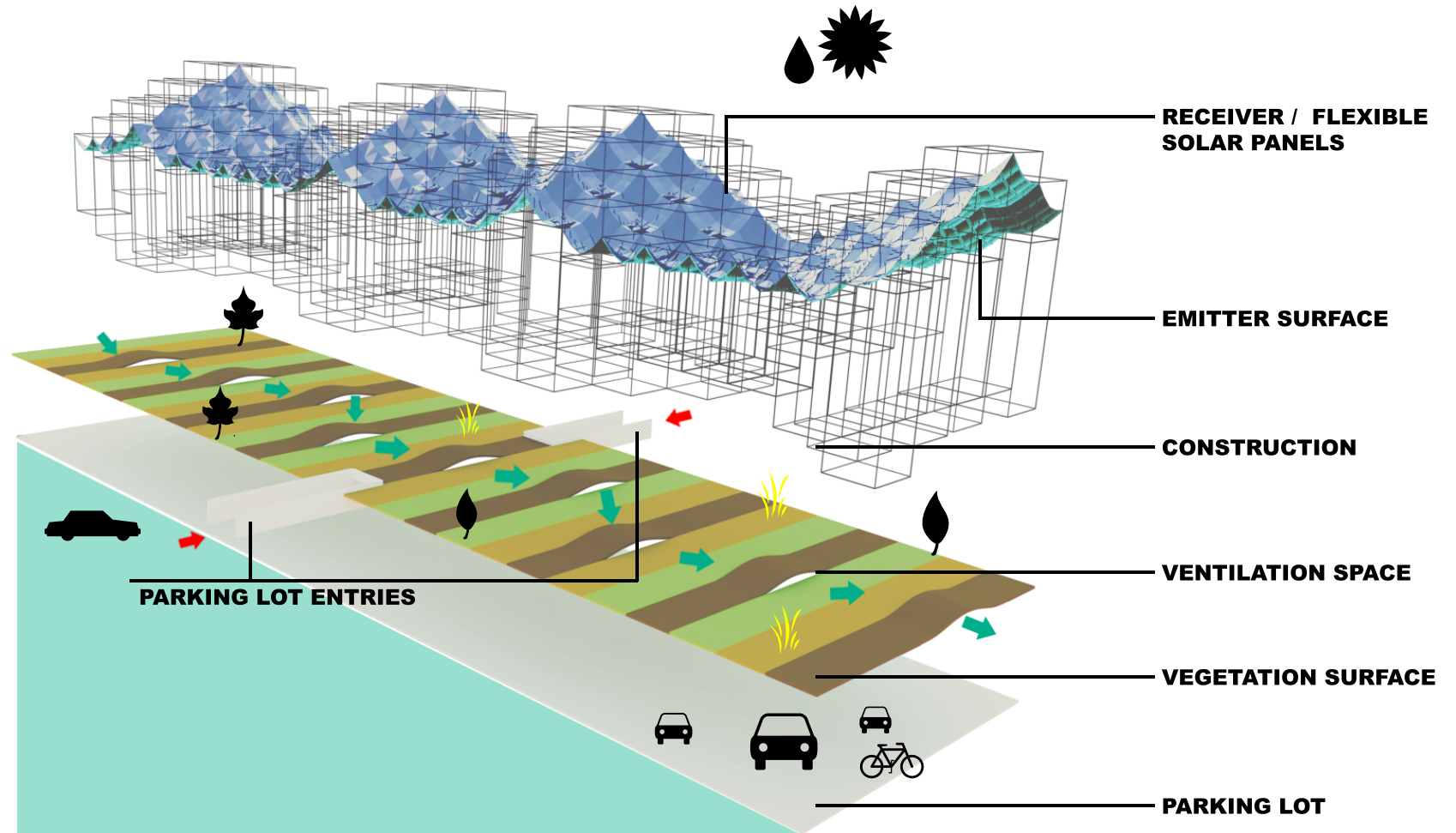


The main renewable energy of the system is solar energy. The designed sculpture plays the dual role of the receiver and the emitter. Flexible solar panels, are like tents, create a larger absorption surface through their shape. Forming the surface in a U shape will allow reflection of solar rays, so also shaded surfaces will be energy receivers. At night, the surface of the transmitter changes its face by multiplying the amount of light that is reflected by the mirror surface. With causes the filigree structure changes its appearance.

1383 MWh

Annual Power generated

Total Generated Energy 1653,29 Mwh



WIND ENERGY



Connecting wind energy to the system is the answer to sand storms, which is a common phenomenon in this department. Wind turbines are placed under the designed landscape hills. This solution also illuminates the underground.

170 MWh

Annual Power generated

WATER ENERGY



Hydro-power affects the maintenance of the micro-climate in the underground zone and provides appropriate conditions for plants to growth. Accumulated in the walls as a heat exchanger provides the system with stability and comfort for users.

100 MWh

Annual Power generated