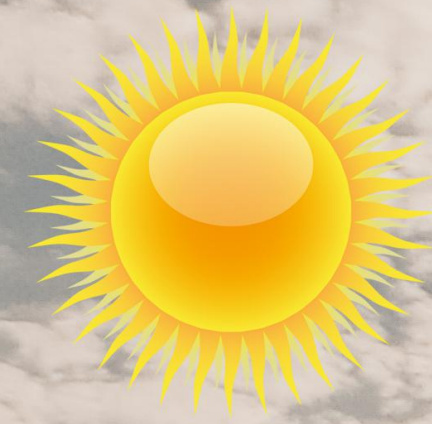


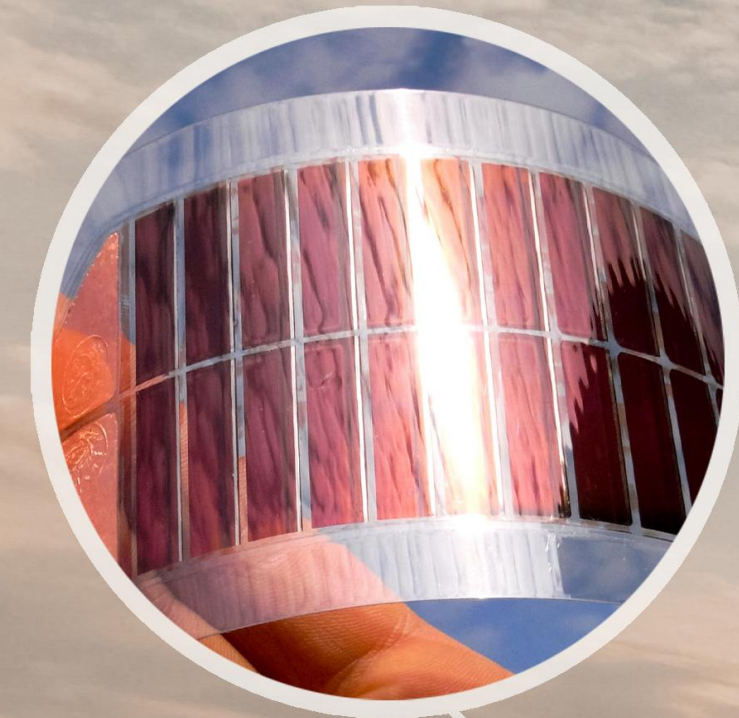
ENERGY



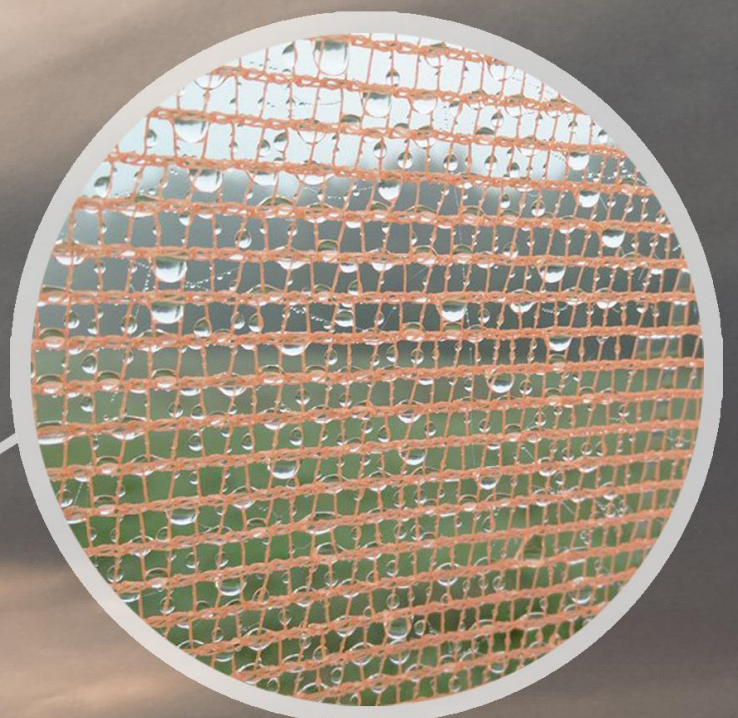
SHELTER



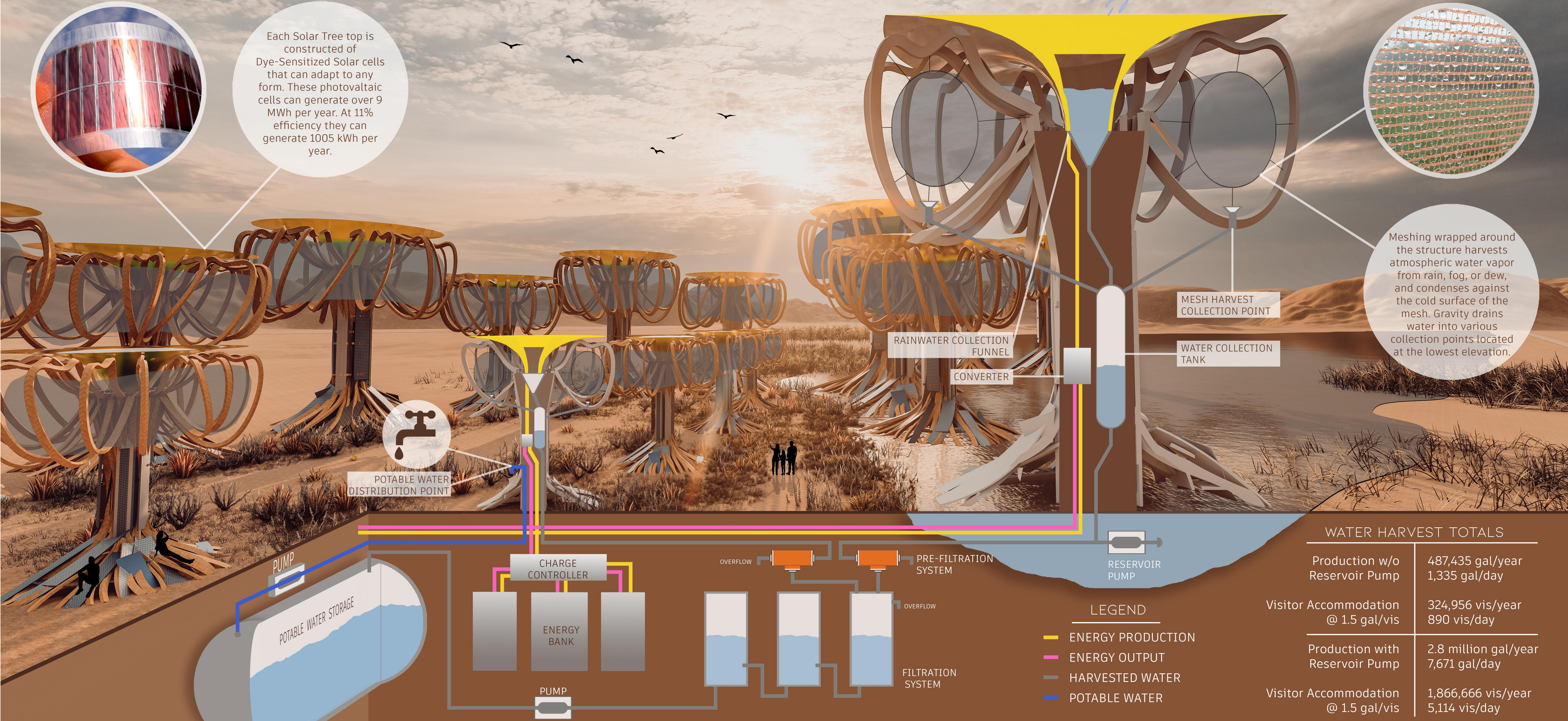
WATER



Each Solar Tree top is constructed of Dye-Sensitized Solar cells that can adapt to any form. These photovoltaic cells can generate over 9 MWh per year. At 11% efficiency they can generate 1005 kWh per year.



Meshing wrapped around the structure harvests atmospheric water vapor from rain, fog, or dew, and condenses against the cold surface of the mesh. Gravity drains water into various collection points located at the lowest elevation.



POTABLE WATER DISTRIBUTION POINT

RAINWATER COLLECTION FUNNEL

CONVERTER

MESH HARVEST COLLECTION POINT

WATER COLLECTION TANK

PUMP

POTABLE WATER STORAGE

CHARGE CONTROLLER

ENERGY BANK

PUMP

OVERFLOW

PRE-FILTRATION SYSTEM

OVERFLOW

FILTRATION SYSTEM

RESERVOIR PUMP

LEGEND

- ENERGY PRODUCTION
- ENERGY OUTPUT
- HARVESTED WATER
- POTABLE WATER

WATER HARVEST TOTALS

Production w/o Reservoir Pump	487,435 gal/year 1,335 gal/day
Visitor Accommodation @ 1.5 gal/vis	324,956 vis/year 890 vis/day
Production with Reservoir Pump	2.8 million gal/year 7,671 gal/day
Visitor Accommodation @ 1.5 gal/vis	1,866,666 vis/year 5,114 vis/day