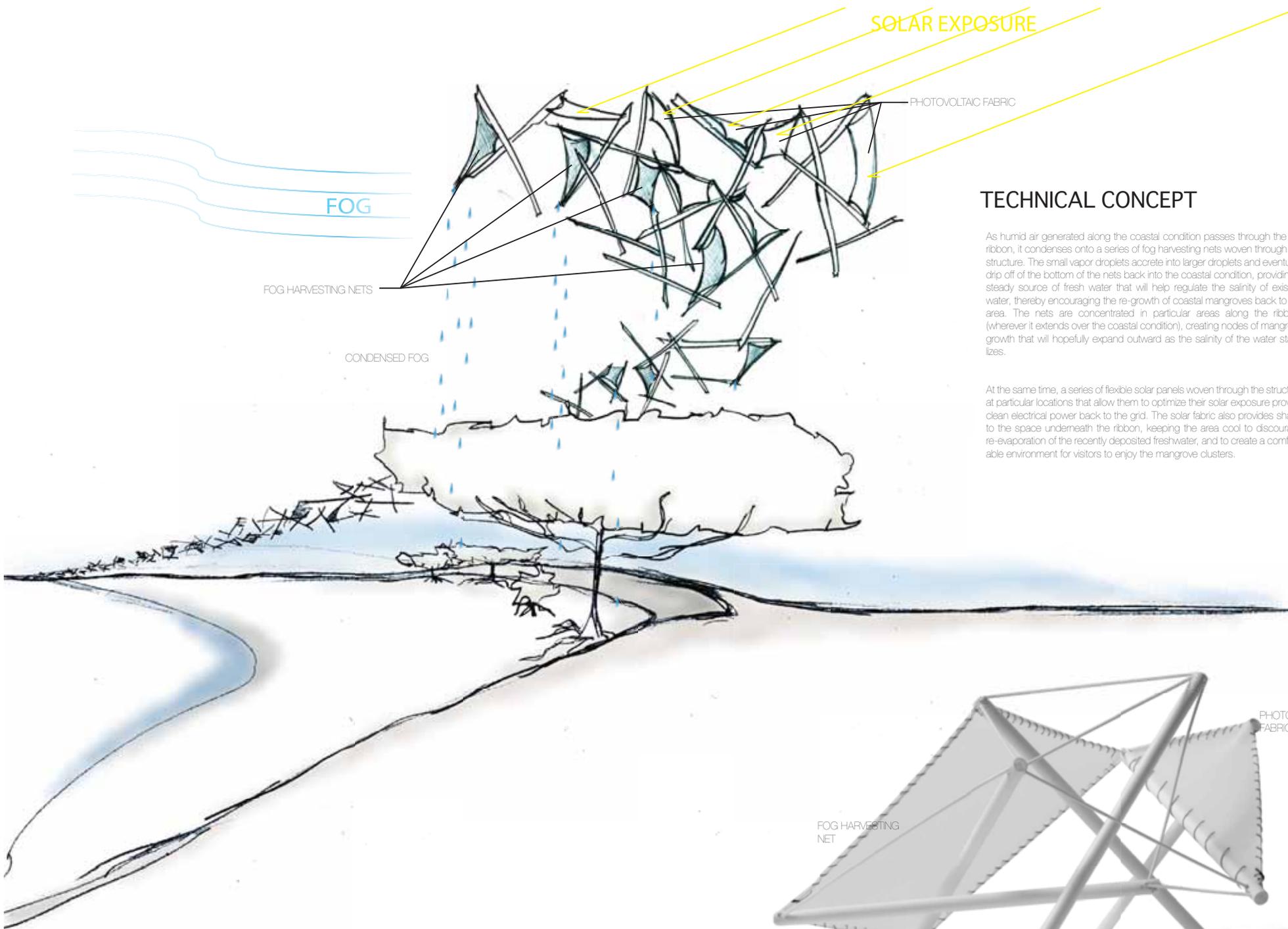




the living ribbon



SOLAR EXPOSURE

PHOTOVOLTAC FABRIC

FOG

FOG HARVESTING NETS

CONDENSED FOG

TECHNICAL CONCEPT

As humid air generated along the coastal condition passes through the fog ribbon, it condenses onto a series of fog harvesting nets woven through the structure. The small vapor droplets accrete into larger droplets and eventually drip off of the bottom of the nets back into the coastal condition, providing a steady source of fresh water that will help regulate the salinity of existing water, thereby encouraging the re-growth of coastal mangroves back to the area. The nets are concentrated in particular areas along the ribbon, (wherever it extends over the coastal condition), creating nodes of mangrove growth that will hopefully expand outward as the salinity of the water stabilizes.

At the same time, a series of flexible solar panels woven through the structure at particular locations that allow them to optimize their solar exposure provide clean electrical power back to the grid. The solar fabric also provides shade to the space underneath the ribbon, keeping the area cool to discourage re-evaporation of the recently deposited freshwater, and to create a comfortable environment for visitors to enjoy the mangrove clusters.

FOG HARVESTING NET

PHOTOVOLTAC FABRIC



