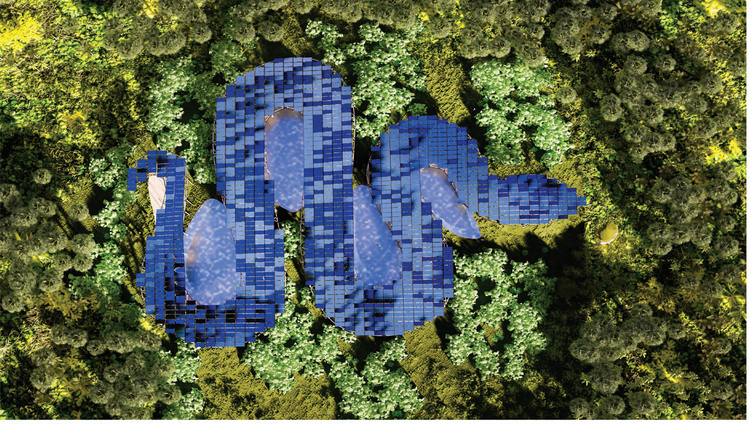
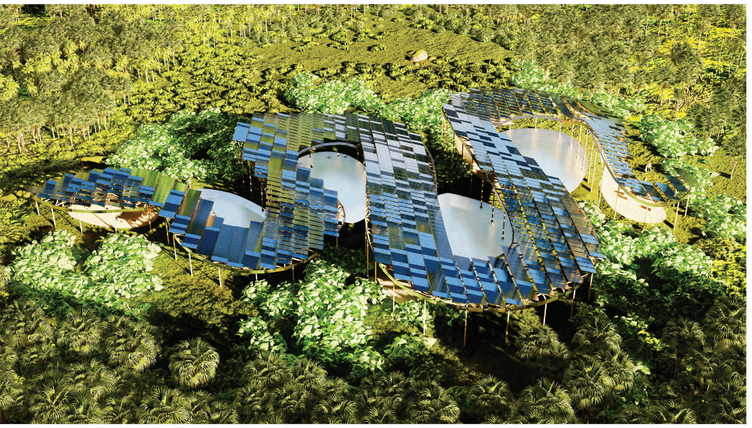


TOP AERIAL VIEW

LOOKING NORTH TOWARDS LEARNING NOOK

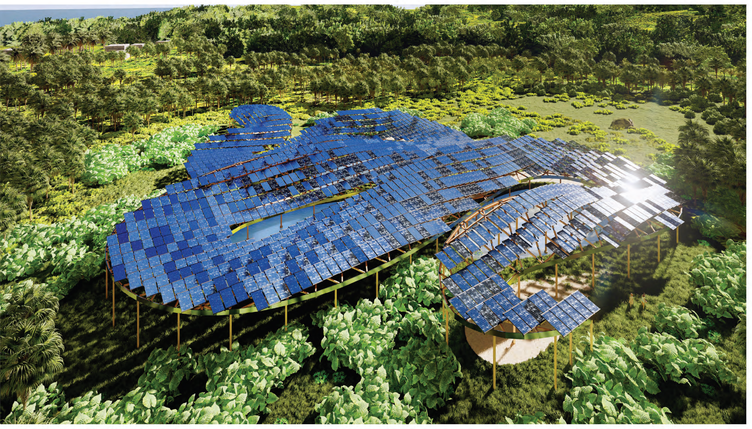
CLOSE UP FARMING POCKETS AND SOLAR PANELS

VIEW OF ART CORNER



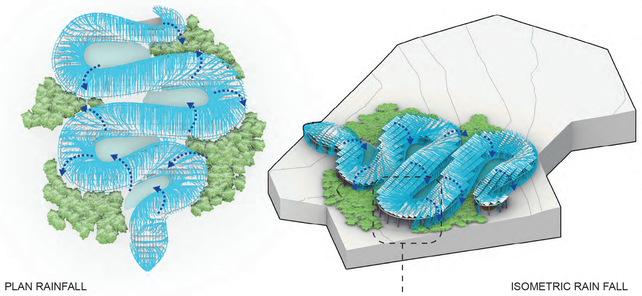
AERIAL ELEVATION FACING WEST

THE SOCIAL POCKET

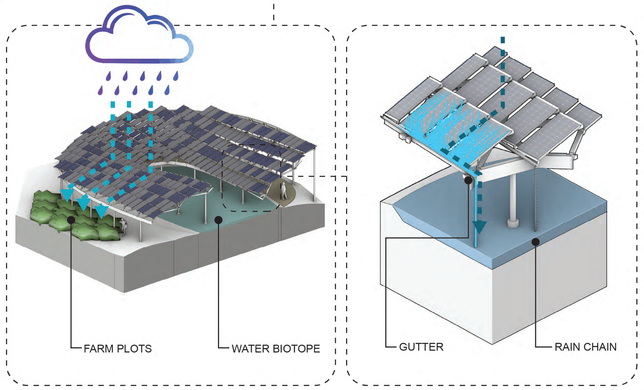


AERIAL LOOKING SOUTH WEST

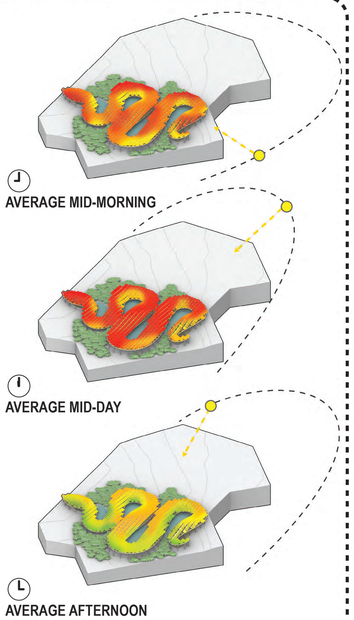
PATHWAYS HEADING TOWARDS CEREMONIAL POCKET



MOISTURE/RAIN FLOW PATHS

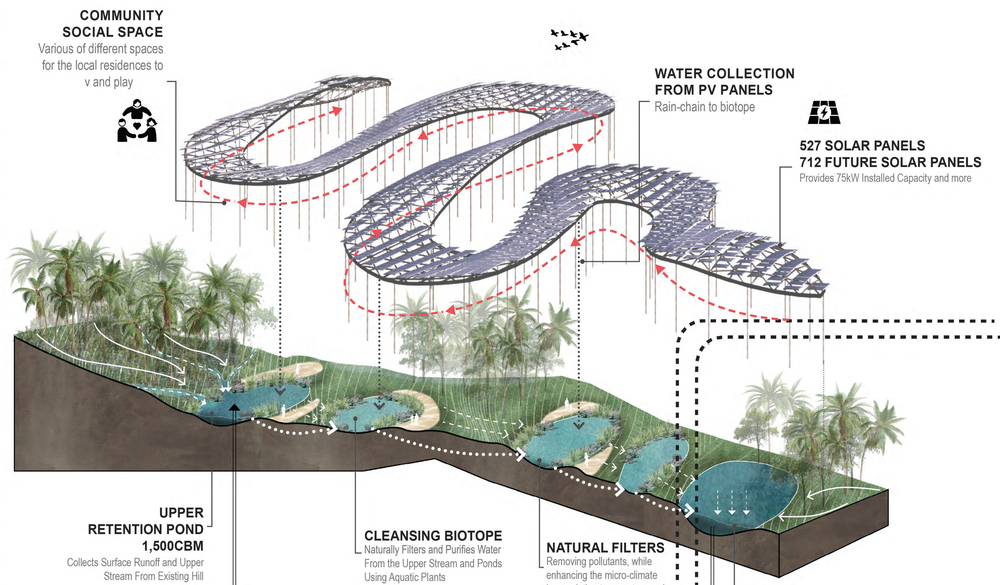


WATER COLLECTION



A 75 kWp solar PV array with 791 panels operates at 18% efficiency, producing 103,875 kWh annually from 2,529 sunlight hours. It captures ~3,169,113 kWh of solar radiation yearly at 5.5 kWh/m²/day irradiance. Expansion by 1,068 panels could increase captured radiation to ~7,448,002 kWh/year, more than doubling output.

SOLAR ANALYSIS



A 75kW solar array (527 PV panels) on a rain-chain biotope powers water circulation, with microbial filters purifying runoff. Two retention ponds—upper (1,500 CBM) and lower (10,500 CBM)—manage runoff and flood control, per hydraulic calculations, with overflow storage for dry seasons. Community spaces integrate with the landscape.

WATER CONSERVATION