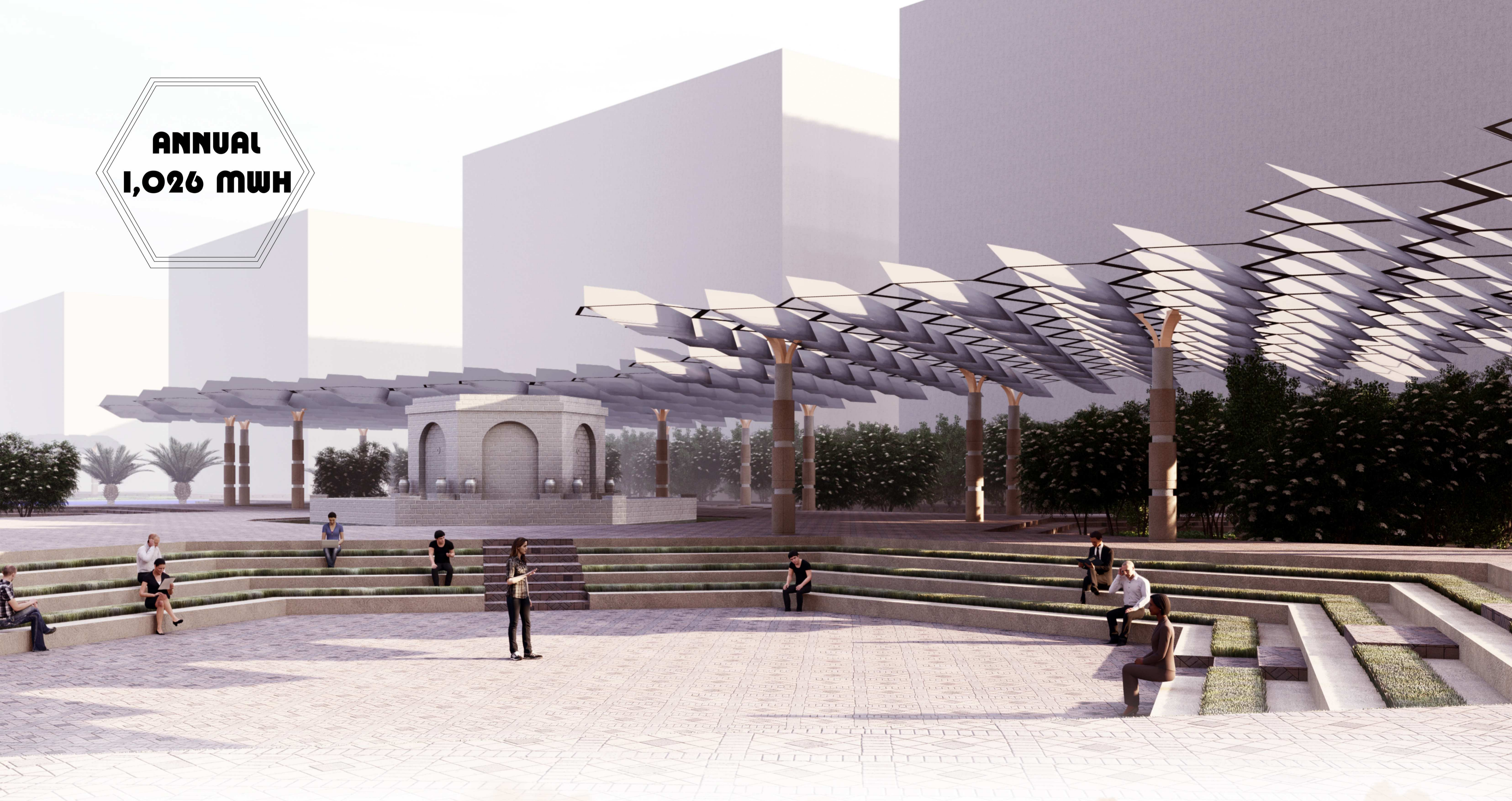
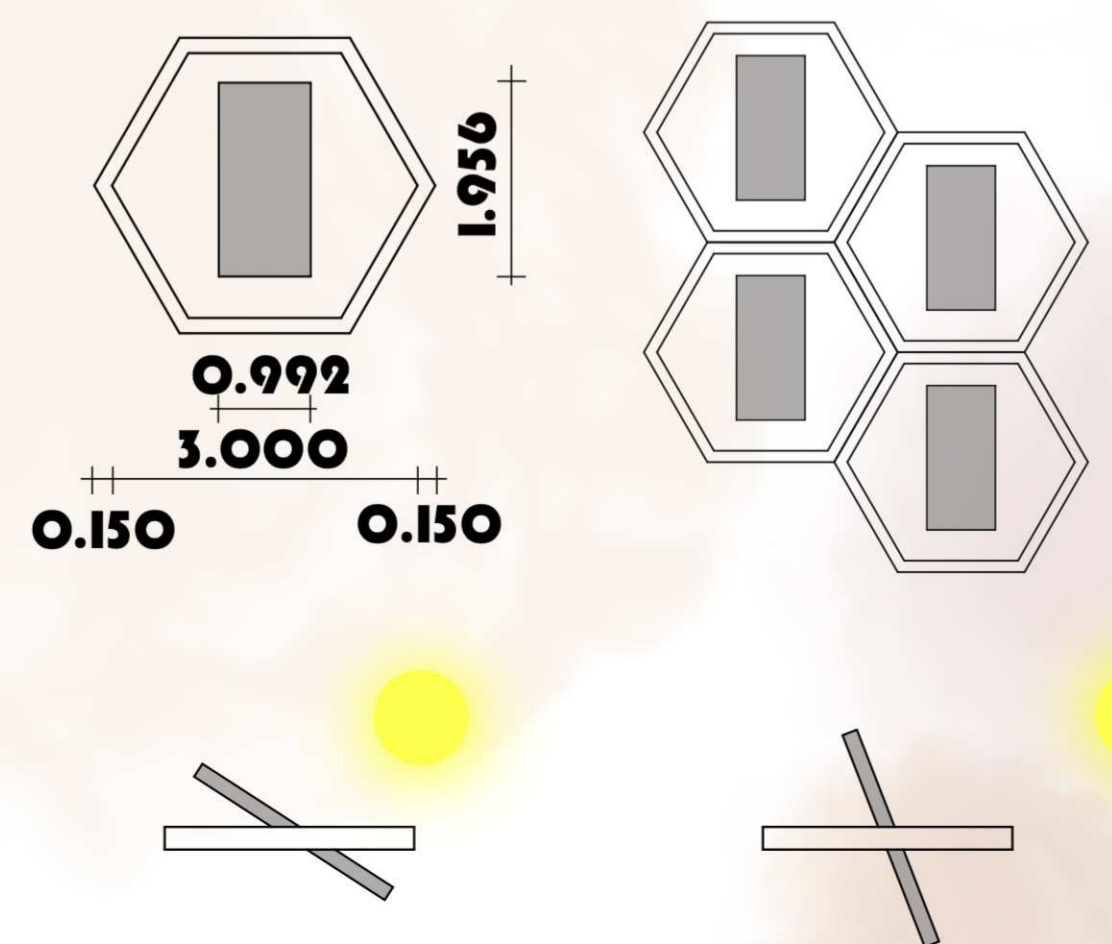


**ANNUAL
1,026 MWH**

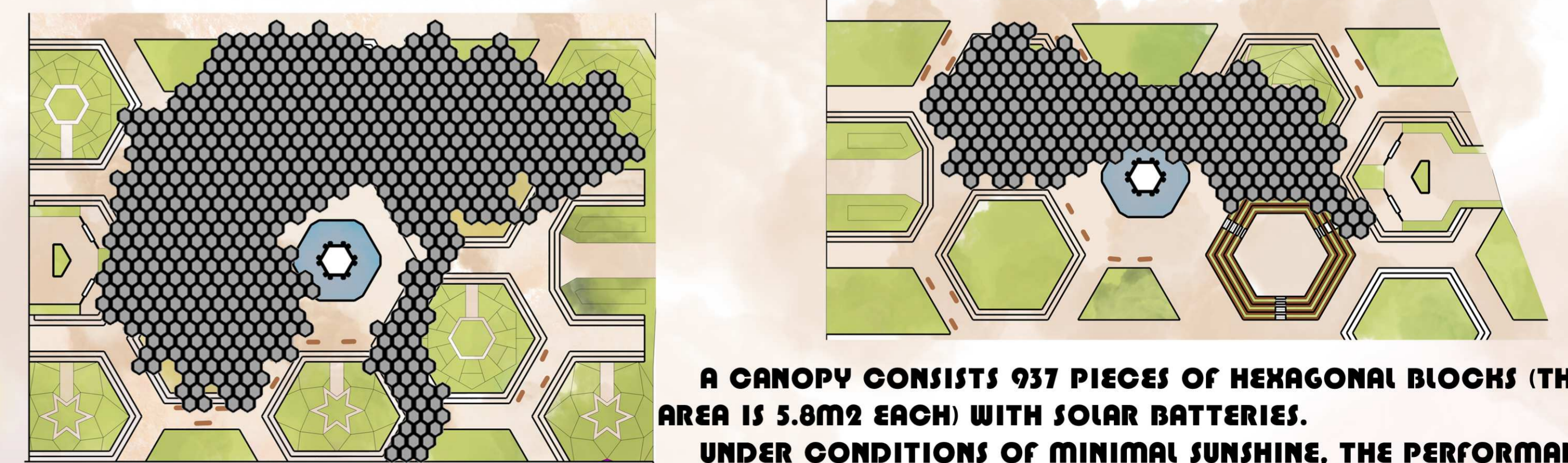


A PART RESPONSIBLE FOR THE «FUTURE PART» OF PROJECT IS A CANOPY WITH SOLAR BATTERIES, CAPABLE OF CHANGING THE DEGREE AND INCLINATION AROUND ITS AXIS, FOLLOWING THE MOVEMENT OF THE SUN. EACH SUCH PANEL CONTAINS A «SILASOLAR 300W 5BB» SOLAR PANEL. THE CANOPY ALLOW PEOPLE HIDE IN IT'S SHADOW FROM THE SUN, HIGH TEMPERATURE CONDITIONS AT DIFFERENT TIMES OF THE YEAR IN THE CITY OF MASDAR. AND THE POWER GENERATED BY IT IS ENOUGH TO PROVIDE LIGHTING FOR THE PARK AT NIGHT, CREATING ENERGY FOR USE BY WATER RESOURCES (FOUNTAINS), AND ALSO FOR SUPPLYING ENERGY TO THE CITY'S EXTERNAL POWER NETWORKS.

FRAGMENTS OF CANOPY



SOLAR PANELS PLAN



A CANOPY CONSISTS 937 PIECES OF HEXAGONAL BLOCHS (THE AREA IS 5.8M2 EACH) WITH SOLAR BATTERIES. UNDER CONDITIONS OF MINIMAL SUNSHINE, THE PERFORMANCE OF THE ENTIRE CANOPY (937 PANELS) PER DAY WILL BE 2811 KWH.