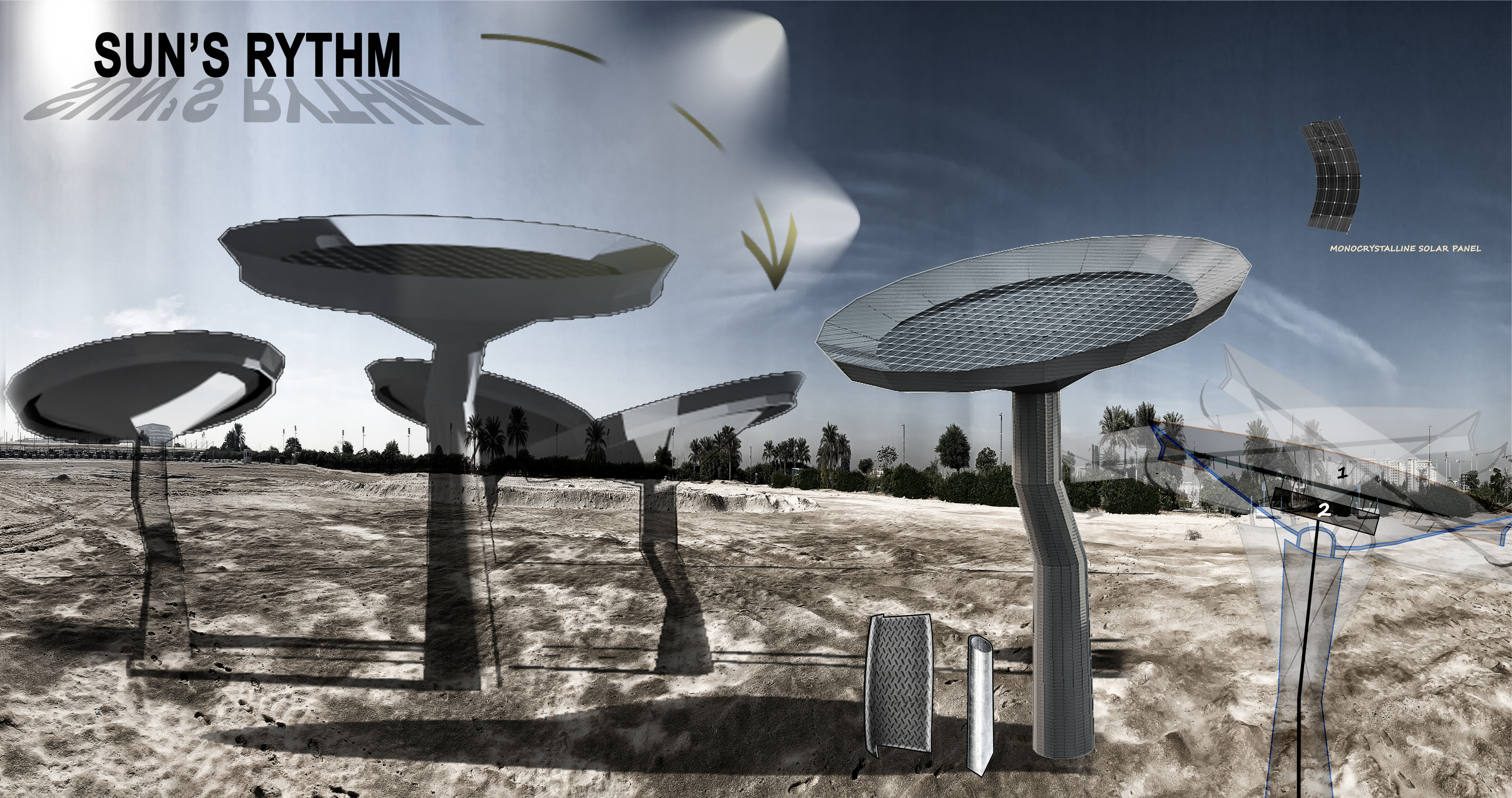
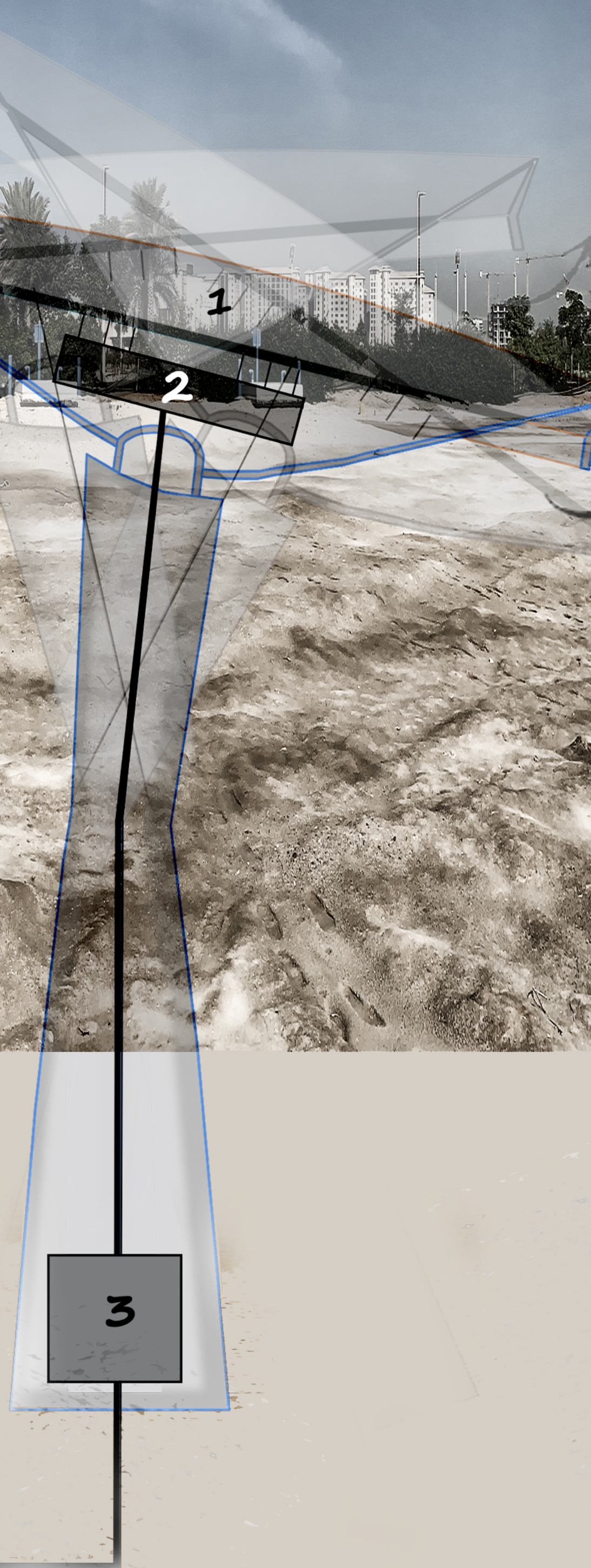


SUN'S RYTHM

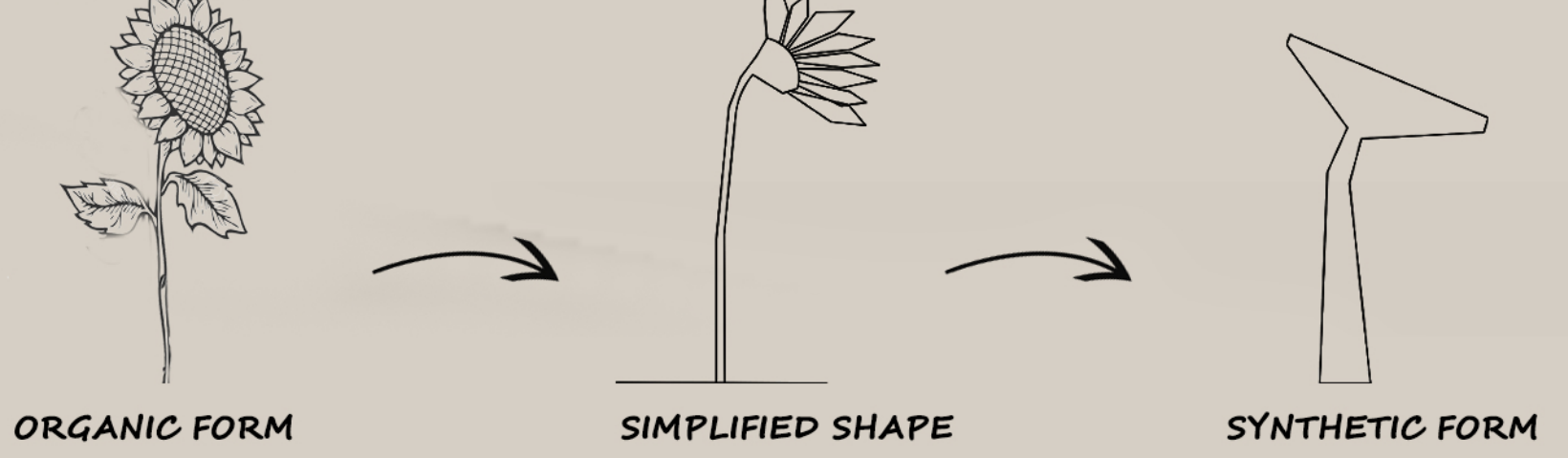


MONOCRYSTALLINE SOLAR PANEL



- 1- MONOCRYSTALLINE SOLAR PANEL
- 2- GENERATOR
- 3- INVERTER
- 4- ELECTRIC CABLES

. SHAPE EVOLUTION



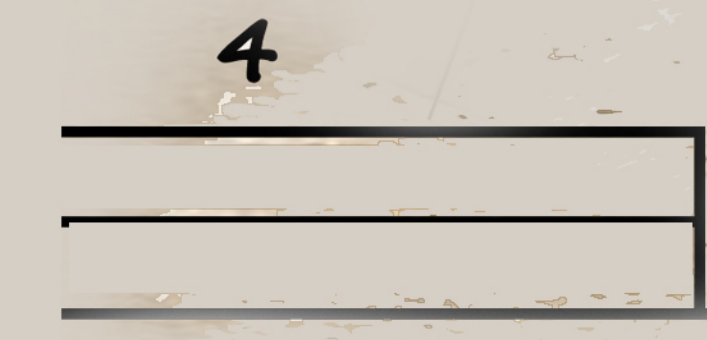
'HELIANTHUS' KNOWN AS SUNFLOWER HAS BEEN OUR FIRST INSPIRATION TO BUILD OUR CONCEPT. THESE SPECIES FACE THE SUN AS IT RISES IN THE EAST AND FOLLOW IT ACROSS THE SKY UNTIL IT SETS IN THE WEST IN ORDER TO CONVERT LIGHT ENERGY INTO CHEMICAL ENERGY THAT CAN BE LATER RELEASED TO FUEL ORGANISMS' ACTIVITIES. THIS PROCESS IS CALLED PHOTOSYNTHESIS. THE STRUCTURE REPRESENTS AN ABSTRACT AND SIMPLIFIED FORM OF THE SUNFLOWER SHAPE. IT WILL HELP PONCTUATE THE URBAN SPACE AND WILL GIVE A ARTISTIC AND HARMONIOUS RYTHM TO THE CITY.

. USED MATERIALS

CAST IRON

PLASTIC SHEATH TO ASSURE ELECTRICAL INSULATION FOR PEOPLE'S SAFETY

THE CAST IRON IS A BEARING MATERIAL. IT IS LESS EXPENSIVE THAN THE STEEL AND PRACTICALLY HAS THE SAME PROPERTIES . THE CAST IRON IS A MODERN MATERIAL THAT COULD BE FULLY RECYCLED. IT IS A VERY SUSTAINABLE MATERIAL THAT HELPS ACHIEVE A HIGHEST ENVIRONMENTAL RATINGS.



. DIAGRAM OF THE OPERATING PRINCIPLE