LUMEN AURA

LUMEN AURA IS BUILT AS A SUSTAINABLE, GREEN STRUCTURE WHICH HARNESSES SOLAR RADIATION AND LIGHT AND CONVERTS IT INTO ELECTRICAL ENERGY. IT IS A PART OF AN UPRISING GREEN MOVEMENT WORKING TOWARDS BETTERING THE ENVIRONMENT AND THE PLANET. DURING THE DAY, THE PHOTOVOLTAIC CELLS AND ORGANIC SOLAR CELLS ON THE "PETALS" ABSORB THE KINETIC ENERGY FROM THE SUNLIGHT AND IT IS THEN PASSED THROUGH A CYLINDRICAL TUBE IN THE CENTRE AND CAN BE DISTRIBUTED OR STORED UNDERGROUND. DURING THE NIGHT, THESE PETALS ILLUMINATE ITS SURROUNDINGS FROM THE SAME STORED ENERGY. DURING WINTER, THE INNER PETAL ACTS AS A FUNNEL WHICH ALLOWS SNOW/RAIN TO FALL THROUGH IT INTO THE HOLLOW STEM WHERE IT IS STORED IN THE FORM OF LIQUID WATER. THIS WATER CAN BE USED FOR IRRIGATION PURPOSES. THE OUTER PETAL WITH THE HELP OF A MOTOR ATTACHED, CLOSES INWARDS DURING HEAVY WINTERS TO AVOID EXCESSIVE SNOW LOAD WHICH COULD CAUSE DAMAGE TO THE STRUCTURE. IT IS A SELF SUSTAINING STRUCTURE WHICH BRINGS TOGETHER PRESERVATION OF THE ENVIRONMENT ALONG WITH ART AND ARCHITECTURE.