

BIOLUMINECENCE

AT NIGHT, THE FRACTALS LIGHT UP TO CREATE AN EVENING EXPERIENCE WHICH HIGHLIGHTS THE FORMS AND SUSTAINABLE VARIETAL ASPECTS OF EACH. THROUGH THE USE OF BIOLUMINESCENT MIMICRY, THE GROWING STRUCTURES CREATE DYNAMIC WONDERLAND, GIVING THE PARK A SOLAR COSMIC FEEL. VISITORS CAN WALK THE FRACTALS AND GAZE INTO THE NIGHT SKY WHILE BE SURROUNDED BY STAR LIKE LIGHTING, GIVING AN IMMERSIVE EXPERIENCE. THE MECHANICAL SUSTAINABLE FEATURES ARE LIT UP TO DISPLAY THE DIFFERENT TYPES OF ELECTRICITY PRODUCING COMPONENTS OF EACH FRACTAL. THE ALGAE BLOOM GATEWAYS AND CANOPIES, THE STEPPINGSTONES, AND PV PANELS ALL GLOW CREATING A SENSE OF MOVEMENT BETWEEN THE TREES. THE LEARNING CENTER CAN HOST TO EVENING PERFORMANCES OR LECTURES AND CAN EVEN BE A DESTINATION FOR FOOD AND DRINKS. THIS WAY THE PARK CAN BE ENJOYED BY VISITOR ANYTIME DAY OR NIGHT AND PROVIDES TO COMPLETELY DIFFERENT EXPERIENCES.

ORBS

THE ORB LIGHTS LINE THE WALKING PATHS IN TWO DIFFERENT SIZES TO GIVE A SENSE OF WALKING THE STARRY NIGHT SKY ITSELF

GROWING FRACTALS

THE RAILING ARE ILLUMINATED SHOWING THE MOVEMENT OF THE FRACTALS GROWING OUT OF THE EARTH

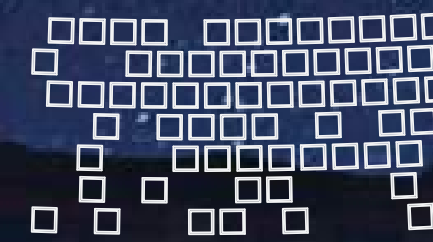
ALGAE BLOOMS

THE ALGAE BLOOMS ARE HIGHLIGHTED AS THE MAIN GATEWAYS AND IMAGINATIVE GROWTHS IN THE HARVEST FRACTALS



STEPPINGSTONES

THE STEPPING STONES LIGHT UP TO ENHANCE THE PLAY AREA AT NIGHT AND HIGHLIGHT THE PIEZOELECTRIC GENERATORS.



OUTPUT

POWER

2,500 MWH PER YEAR

FOOD

36,900 SF COMMUNITY GARDEN TOP SOIL

28,950 SF COMMUNITY GARDEN HANGING VINES

POTENTIAL ANNUAL YIELD 90,000 LBS OF FOOD

GREEN SPACE

1,232,500 SF GREEN SPACE

100% PERMEABLE SURFACE AND WATER CATCHMENT

HABITAT

70,00 SF OF ADDED HABITAT

PERSPECTIVES

IMAGE 1: THE OVERALL AERIAL SHOWS THE SPECTACLE OF LIGHTS. YOU CAN SEE THE GROWING FRACTALS EMERGING FROM THE GROUND, AND A SEA OF STAR LIKE ORBS

IMAGE 2: HERE YOU ARE ON THE HARVEST FRACTAL 3. PROVIDING AMPLE SPACE FOR COMMUNITY GARDENS WITH ALGAE BLOOM PANEL CANOPIES ILLUMINATED AT NIGHT

IMAGE 3: HERE YOU ARE ON THE PLAY FRACTAL 2. AN AREA DEIGNED FOR CLIMBING AND JUMPING AROUND TURNING PHYSICAL ACTIVITY INTO ELECTRICITY. AT NIGHT THE STEPPING STONES GLOW TO HIGHLIGHT THESE AREAS IN THE PARK

IMAGE 4: HERE YOU ARE UNDER THE LARGE HABITAT FRACTAL 4, WHICH ALSO SERVES AS THE PARK GATEWAYS. UNDER THE ILLUMINATED ALGAE BLOOM IS AMPLE SPACE FOR PICNICKING AND HOSTING FAMILY AND COMMUNITY GATHERINGS.

GOALS

UNITED NATIONS: SUSTAINABLE DEVELOPMENT GOALS

- THIS PARK AND LEARNING CENTER WOULD BE AN ENERGY PLUS SITE GENERATING MORE POWER THAN IT USES AND GIVING THE EXTRA BACK TO THE GRID. THIS WOULD SATISFY ALL PARAMETERS AND METRICS OF SUSTAINABLE BENCH MARKS SUCH AS LEED, WELL, LIVING BUILDING CHALLENGE, PASSIVE HOUSE, AS WELL AS FULLFILL NEARLY ALL OF THE GOALS OF THE UNITED NATIONS SUSTAINABLE DEVELOPMENT.
- GOAL 2: END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE
- GOAL 3: ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES
- GOAL 4: ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL
- GOAL 5: ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS
- GOALS 6: ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL
- GOAL 7: ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL
- GOAL 8: PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL
- GOAL 9: BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION AND FOSTER INNOVATION
- GOAL 10: REDUCE INEQUALITY WITHIN AND AMONG COUNTRIES
- GOAL 11: MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT AND SUSTAINABLE
- GOAL 12: ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS
- GOAL 13: TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS
- GOAL 15: PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS
- GOAL 16: PROMOTE PEACEFUL AND INCLUSIVE SOCIETIES FOR SUSTAINABLE DEVELOPMENT, PROVIDE ACCESS TO JUSTICE FOR ALL AND BUILD EFFECTIVE, ACCOUNTABLE AND INCLUSIVE INSTITUTIONS AT ALL LEVELS
- GOAL 17: STRENGTHEN THE MEANS OF IMPLEMENTATION AND REVITALIZE THE GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT



IMAGE 1

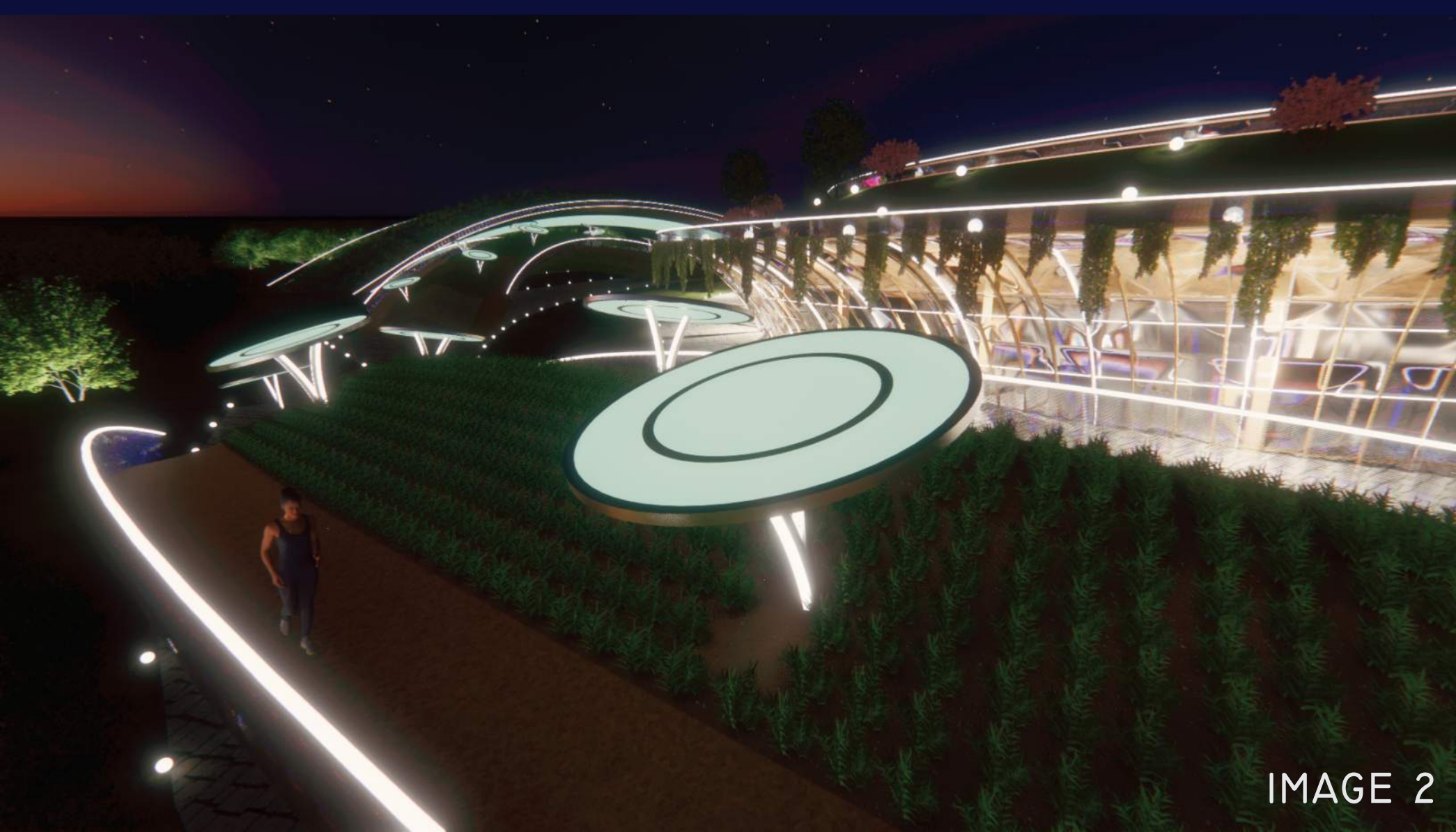


IMAGE 2

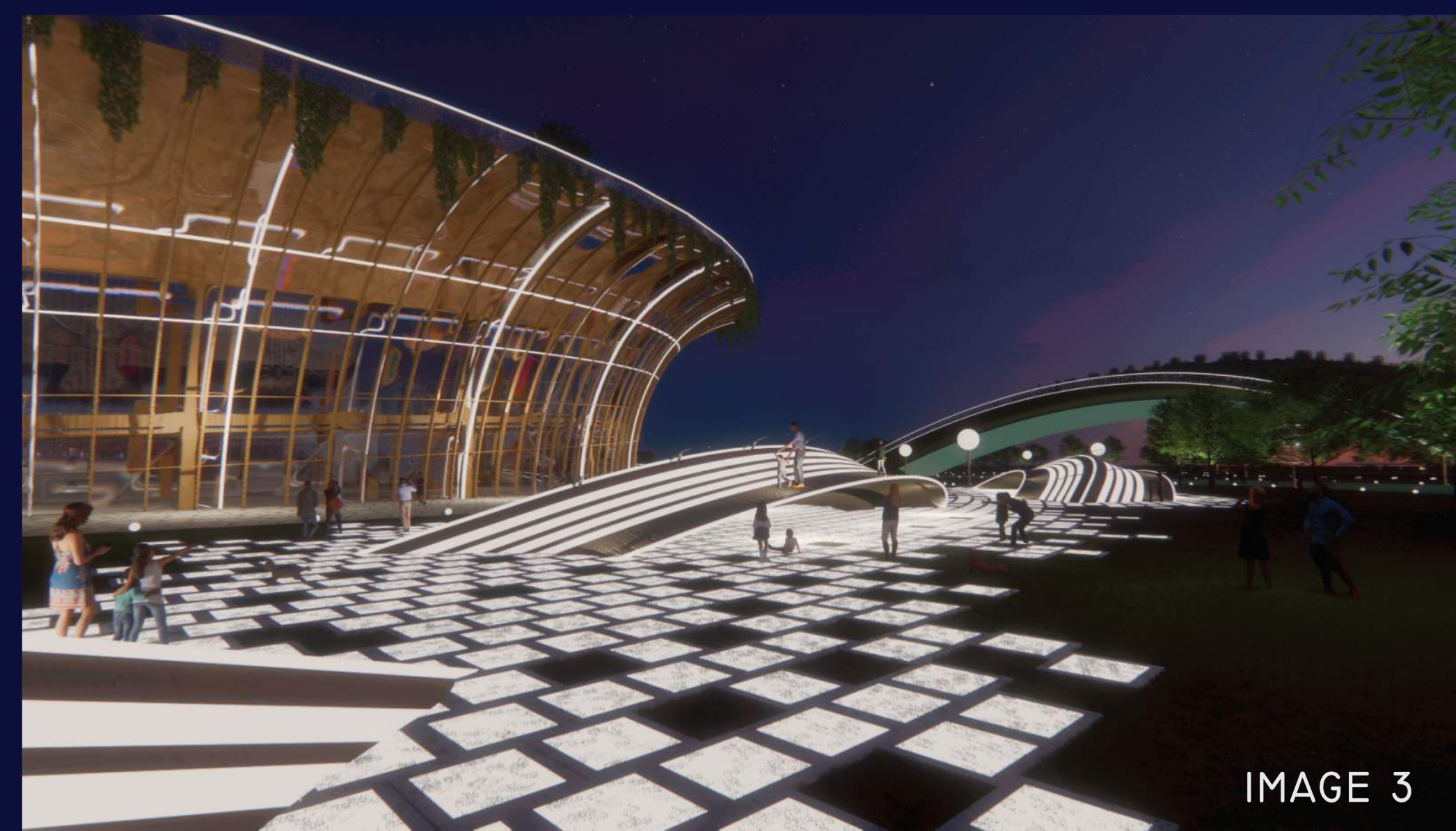


IMAGE 3



IMAGE 4