



Environas

Leading the Future of Sustainable Design

Sustainability at every space

2 0 2 5

Company Profile



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GENERAL **INFORMATION**

Environas is a design consultancy that provides multiple environmental services and green building certifications. It was founded by in 2021 by Dr. Nihal Al Sabbagh with an aim to integrate the theoretical knowledge and expertise into practice through research-based design approaches that are tailored for each project.





The company is comprised of a team of architects and engineers with a robust background in both practice and research, reflecting its vision and commitment to growth. This scientific expertise positions the company as a leader in the field of environmental design solutions and interdisciplinary scientific research.



DR. NIHAL AL SABBAGH

Founder, design director

Nihal is the founder and design director of ENVIRONAS. With over 17 years of experience in teaching and practicing architecture and urban design, she has worked with various institutions and consultancies in both Egypt and the UAE. She earned her Ph.D. from the AA School of Architecture in London and holds an M.Sc. in Sustainable Design of the Built Environment. Her publications concentrate on environmental urban analysis, thermal comfort assessments, promoting walkability, passive cooling strategies for hot climates, and architectural education.



Our Hope

*Sustainability in every space.
A way of life for a positive
future.*

What We Do

*We design to maximize user comfort and
reduce the environmental impact.*



Vision

*To redefine urban and architectural design with innovative,
environmentally sustainable spaces that enhance user comfort and
seamlessly connect interior and exterior environments.*

Mission

*At Environas, we create tailored, high-performance designs that
prioritize sustainability and comfort. Founded by Dr. Nihal Al Sabbagh,
our commitment is to transform each project with research-driven,
practical solutions that meet the highest standards of environmental
responsibility and aesthetic excellence.*

**Partner with us to make your project environmentally sustainable
without compromising comfort and aesthetics.**



REGISTRATION

غرفة دبي
DUBAI CHAMBER
للتجارة COMMERCE

CPD
The CPD Certification Service

PARTNERSHIPS



Our Services and Solutions





OUR SERVICES & SOLUTIONS

Our range of services is adaptable and can be customized to align with both the project's and client's requirements, ensuring environmental objectives are met without sacrificing quality of life.

We foster healthy environments that positively impact users through various collaborations and our in-house expertise, with our projects spanning both local and global contexts.

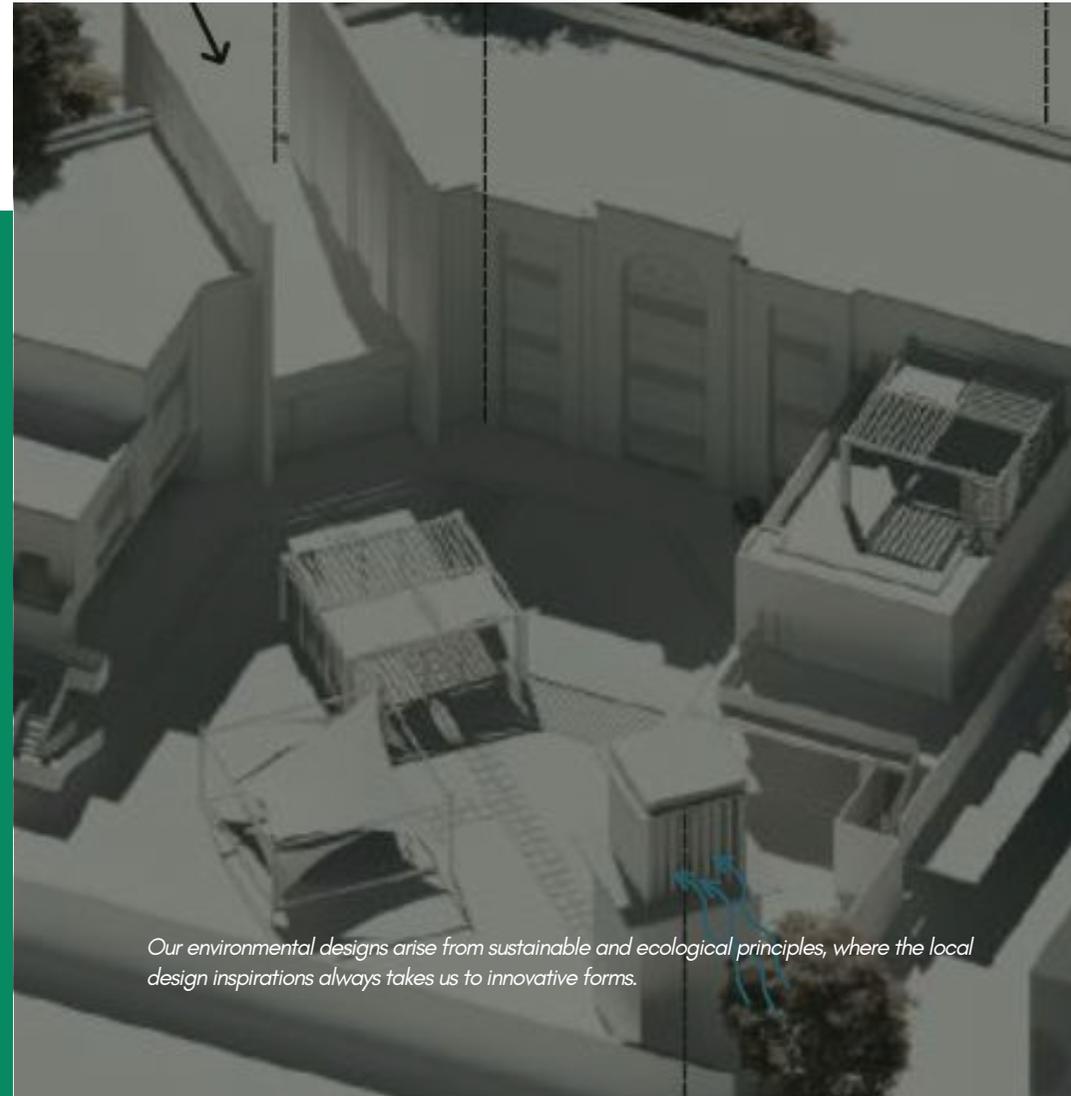
We design urban spaces that are not only environmentally sound but also user-friendly, ensuring equitable, efficient, and sustainable environments for all

The image displays three panels illustrating Environas services. The first panel, titled "Environmental Design", shows a modern building with palm trees. The second panel, titled "Environmental Assessment", shows a 3D architectural model of a city with a winding river and green spaces. The third panel, titled "Environmental Research", features a hand holding a globe with the text "THE POWER OF PASSIVE" and "LET THE TEMPERATURES SPEAK ABOUT THE DESIGN".

ENVIRONMENTAL DESIGN	ENVIRONMENTAL ASSESSMENT	ENVIRONMENTAL RESEARCH
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OUR URBAN DESIGNS FOCUS ON INTEGRATING GREEN SPACES, OPTIMIZING LAYOUTS, AND IMPROVING THE MICROCLIMATE FOR INHABITANTS

Environmental Design



Our environmental designs arise from sustainable and ecological principles, where the local design inspirations always takes us to innovative forms.

ENVIRONMENTAL DESIGN

ARCHITECTURE DESIGN

Our architectural designs are carefully crafted to be both visually appealing and environmentally sustainable, utilizing passive design strategies to lower energy consumption and improve comfort.

We design according to any green certification requirements. Key Points:

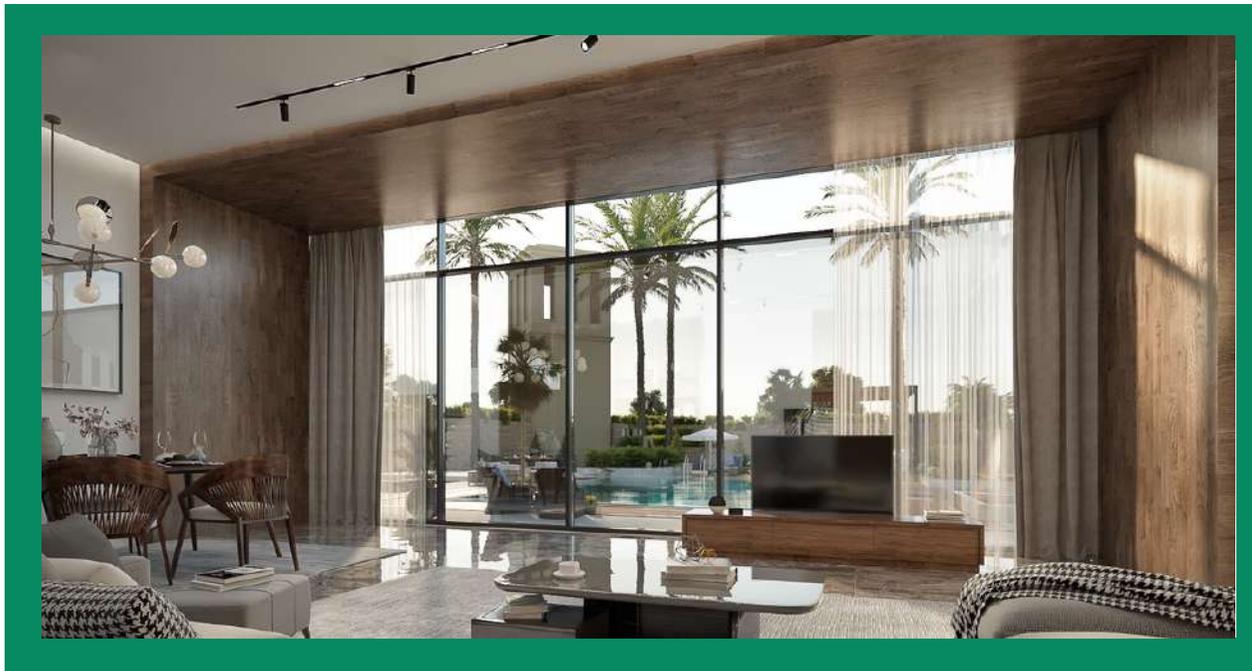
- **Innovative forms:** *We merge innovative shapes with passive design techniques to minimize our ecological footprint while emphasizing human comfort.*
- **Ventilation, Cooling, and Heating:** *We seamlessly incorporate passive design strategies for ventilation, cooling, and heating into the project's interior elements.*
- **Efficient Lighting:** *Our commitment to efficient lighting helps to ensure reduced energy consumption.*
- **Acoustic Considerations:** *We address acoustic considerations to enhance the quality of indoor spaces.*
- **Energy Performance :** *We perform comprehensive energy performance assessments to reduce the building's dependence on mechanical cooling and artificial light.*
- **Sustainable Materials:** *We prioritize the selection of sustainable materials and greenery, fostering a healthier ecosystem.*

By focusing on these aspects, we strive to create environments that are not only aesthetically pleasing but also advantageous for the planet and its inhabitants.



ENVIRONMENTAL DESIGN

INTERIOR DESIGN



We implement passive strategies for ventilation and mechanical cooling by thoughtfully designing the components within the space. This includes:

- *Efficient lighting*
- *Choosing acoustic materials*
- *Conducting energy performance calculations*
- *Selecting sustainable materials*
- *Incorporating greenery*

Our interior designs harmoniously blend sustainability with functionality. By utilizing energy-efficient lighting and optimized ventilation, we make certain that each element supports the project's environmental objectives.

Our emphasis is on using sustainable materials and crafting spaces that enhance user comfort.

ENVIRONMENTAL DESIGN



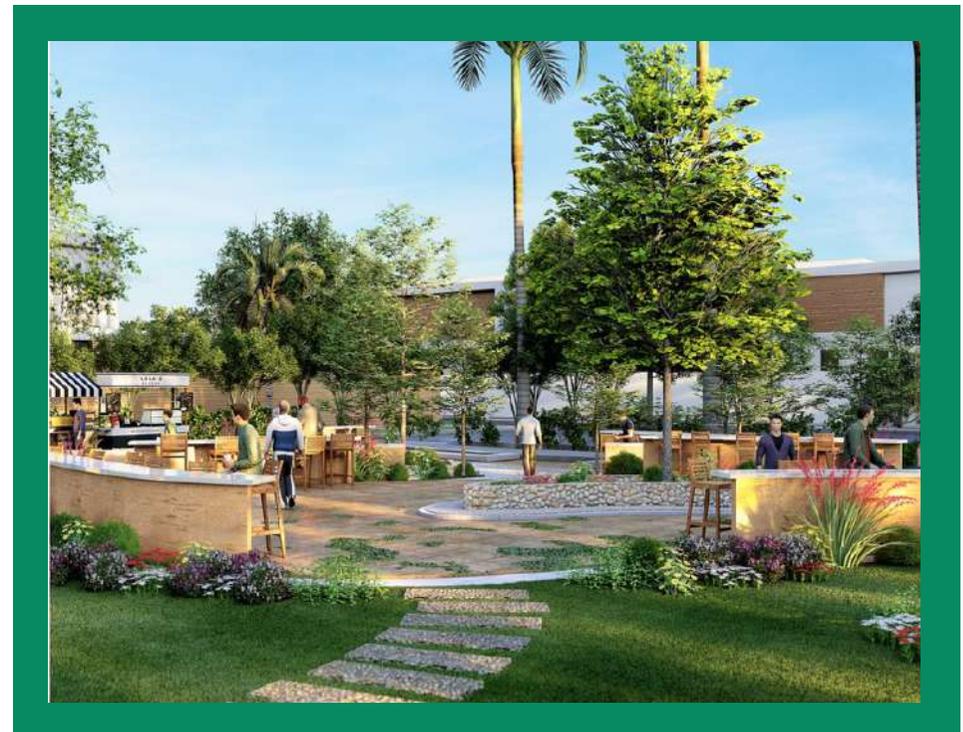
URBAN DESIGN

- **Urban Masterplans: We create masterplans that focus on:**
 - *Equity: Ensuring fair access and opportunities for all residents.*
 - *Efficiency: Streamlining space usage for optimal functionality.*
 - *Environmental Friendliness: Designing with sustainability in mind.*
- **Design Goals: Our objectives include:**
 - *Promoting interaction between open spaces and green areas.*
 - *Optimizing building layouts to improve microclimatic conditions.*
- **User-Friendly Environments: Our urban spaces are:**
 - *Environmentally Conscious: Incorporating sustainable practices.*
 - *Equitable and Efficient: Ensuring accessibility and functionality for all.*
 - *Sustainable: Designed to support long-term ecological health.*
- **Key Priorities in Urban Design:**
 - *Incorporation of Green Spaces: Enhancing aesthetics and environmental quality.*
 - *Optimization of Layouts: Improving usability and functionality.*
 - *Microclimate Enhancement: Benefiting the health and comfort of inhabitants.*

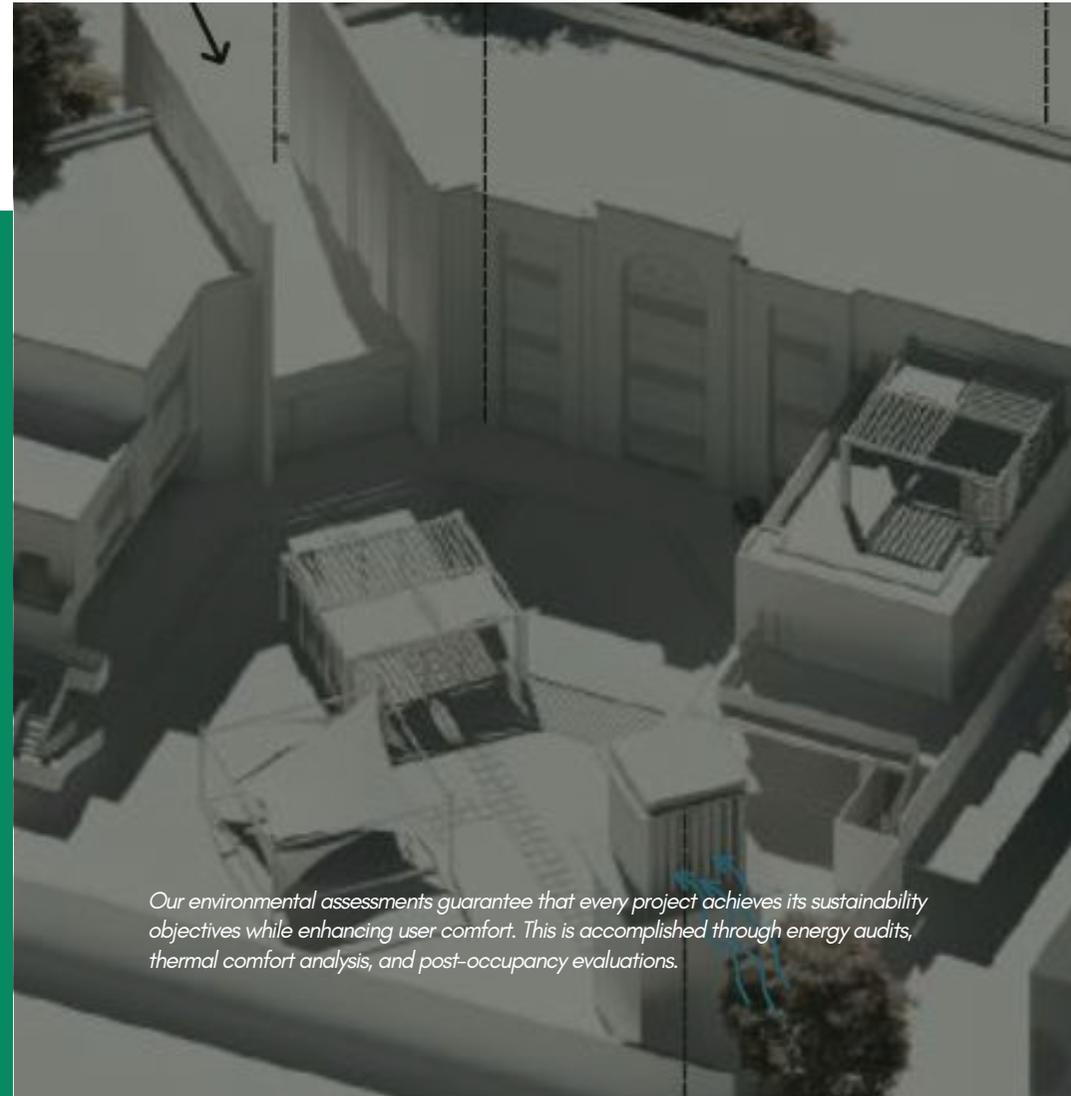
ENVIRONMENTAL DESIGN LANDSCAPE DESIGN

- **Beautiful Material Blends:** *Our outdoor space designs combine the beauty of materials with local greenery.*
- **Optimal Landscaping Solutions:** *We create landscaping solutions that are mindful of water consumption for irrigation.*
- **Microclimate Awareness:** *Our designs consider the effects of the microclimate to enhance outdoor spaces.*
- **Elevated Aesthetic Appeal:** *Our landscape designs not only enhance visual beauty but also focus on environmental sustainability.*
- **Prioritizing Local Flora:** *We emphasize the use of local plants to support the ecosystem.*
- **Efficient Water Usage:** *Our designs promote efficient water usage to conserve resources.*
- **Seamless Integration:** *We ensure our landscapes blend harmoniously with the surrounding environment.*

Visually Breathtaking and Sustainable: *By considering irrigation and microclimatic factors, we create outdoor spaces that are both stunning and environmentally friendly.*



Environmental Assessment



Our environmental assessments guarantee that every project achieves its sustainability objectives while enhancing user comfort. This is accomplished through energy audits, thermal comfort analysis, and post-occupancy evaluations.

ENVIRONMENTAL ASSESSMENT



GREEN BUILDING CERTIFICATIONS

We perform energy simulations for various green certifications, including EDGE, LEED, ESTIDAMA, MOTADAM, and WELL, among others. Our focus is on buildings and urban areas, aiming to lower operational costs related to HVAC, lighting, and electrical systems while minimizing environmental impacts.

POST OCCUPANCY EVALUATION

We analyze current urban projects and buildings by examining microclimatic factors and user comfort to identify issues like indoor air quality (IAQ), outdoor air quality (OAQ), urban hotspots, thermal stress, and discomfort. Our evaluation reports aim to enhance future project investments by ensuring optimal performance and minimal environmental impact, all while measuring the return on investment (ROI) of the proposed solutions.



MICRO CLIMATIC & THERMAL COMFORT ANALYSIS

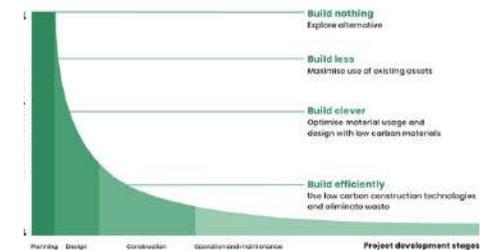


We perform CFD and thermal analysis for new urban developments, structures, and green spaces to identify high solar gains and wind flow patterns that influence both outdoor and indoor design.

Our predictions regarding thermal comfort in buildings and outdoor areas help shape design narratives tailored to optimal operational schedules and user needs. Our design recommendations encompass the thermal, visual, and/or acoustic aspects specific to each project.

LIFE CYCLE ASSESMENT

Carbon reduction potential



We assess the environmental impacts of buildings throughout their entire lifecycle, spanning from construction to demolition.

Our emphasis is on resource usage, energy consumption, emissions, and waste generation. This approach promotes sustainable design and construction practices, guiding decisions that reduce environmental footprints while improving building performance.

POST OCCUPANCY EVALUATION (POE)

POE is the process of understanding how well a building meets the needs of clients and building occupants. POE highlights if a building is meeting its design intention. Benefits include:

- *Making buildings greener and healthier*
- *Revealing how a building is used compared to its designers' intentions*
- *Reducing operational costs*
- *Allowing for continuous improvement*
- *Reducing delays and overspends on future projects*
- *Increasing user satisfaction*

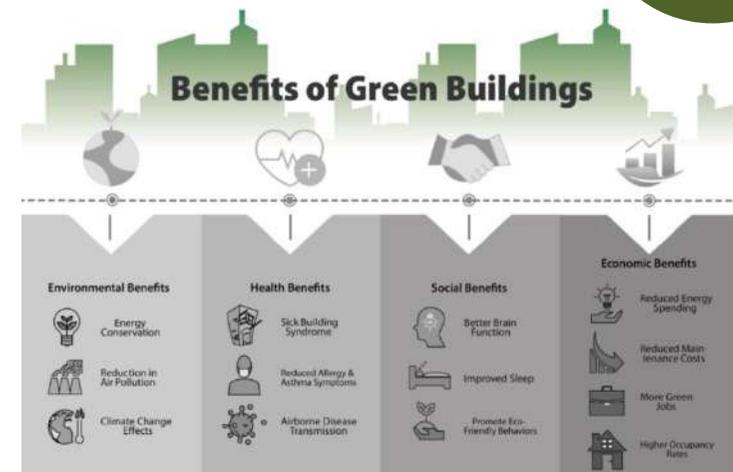


GREEN BUILDINGS CERTIFICATIONS

We assist in attaining the different categories of green certifications for buildings and urban complexes at any stage in your project for the following:

- LEED BD + C (Certified, Silver, Gold, Platinum)
- LEED ID +C (Certified, Silver, Gold, Platinum)
- LEED O + M (Certified, Silver, Gold, Platinum)
- ESTIDAMA (PEARL 1, 2, 3, 4)
- EDGE (Level 1, 2, & 3)
- ACTIVE SCORE & MODE SCORE
- MOSTADAM (Green, Bronze, Silver, Gold, Platinum)
- WELL (Bronze, Silver, Gold, Platinum)

We also align with NET ZERO goals and sectorial targets



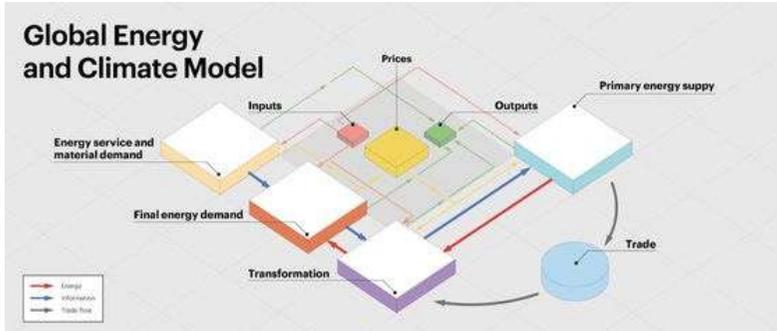


URBAN MICROCLIMATIC ANALYSIS

SUSTAINABLE SOLUTIONS FOR URBAN AND BUILDING DESIGN

Our climatic analysis service helps identify the unique climatic strengths of your project's location. Through **analyzing heat maps and overlapping building dynamics**, we determine the **optimal benchmarks and green codes** to enhance energy efficiency

- Identify strengths of your climatic zone
- Overlapping your building dynamics to the climatic heat maps
- Identify suitable benchmarks and green codes for your project
- Allocation of renewable energy into your project at an early stage



Project Stage Integration: Planning, Studies

URBAN MICROCLIMATIC ANALYSIS

WE ASSESS SOLAR RADIATION AND AIRFLOW PATTERNS TO CREATE COMFORTABLE AND SUSTAINABLE URBAN ENVIRONMENTS

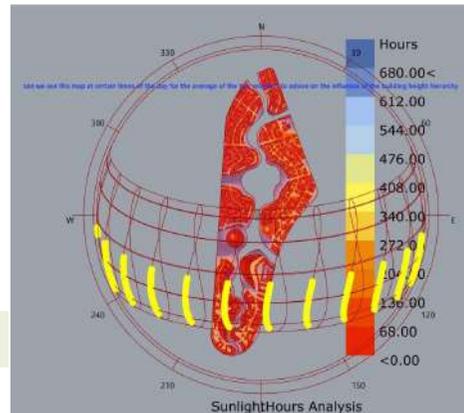
Our microclimatic analysis focuses on reducing outdoor heat dissipation and optimizing natural ventilation. We design solutions such as shading for high-energy demand facades and layouts for energy-efficient buildings

URBAN HEAT MANAGEMENT STRATEGY

CLIMATE DRIVEN MASTER PLANS

ENERGY EFFICIENT BUILDINGS

URBAN COOLING VENUES



RADIATION ANALYSIS:
ENSURING THE DESIGN MINIMIZES HEAT IMPACT WHILE MAXIMIZING COMFORT."

TEMPERATURE IMPACT:
EVALUATING HOW THE STRUCTURE AFFECTS MICROCLIMATES WITHIN THE URBAN SPACE.

- Reducing heat dissipation of outdoor spaces
- Reduce cooling demand in buildings
- Improves natural ventilation in buildings
- Supports the design of exterior shading on buildings
- Buildings layouts and master plans to reduce energy demand of buildings
- guides the integration of greenery and cooling pockets

Project Stage Integration: Planning, Studies



ACTIVE MICROMOBILITY

Our service promotes the integration of micromobility options like cycling and scooters, aiming to reduce vehicular dependence and enhance urban walkability. This creates accessible and environmentally friendly urban spaces.

- *Integrate micromobility modes into your urban areas*
- *Encouraging walkability*
- *Integrating cycling and scooters in urban areas*

Rating system :

- *Estidama*
- *Leed*
- *Mostadam*
- *Active score*



URBAN COOLING VENUES



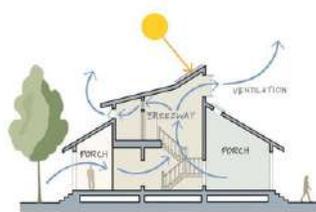


ENERGY MODELING

Our energy modeling service reduces energy consumption through HVAC optimization, environmental monitoring, and insulation techniques. This includes low-energy materials for building interiors and exteriors, resulting in sustainable energy use.



Project Stage Integration:
Schematic
Design Development
Construction
Occupancy



Rating System:
Passive design buildings
Estidama
LEED
Mostadam



- Low energy demand from cooling consumption through:
 - choice of the HVAC systems,
 - set points and comfort,
 - environmental monitoring,
 - Façade overheating treatment
- Insulation
 - Main building exterior materials
 - Main spaces finishing materials
- Low energy demand from exterior and interior lighting
- Low energy demand from electrical sources

We also address demand from interior and exterior lighting, minimizing reliance on non-renewable sources.





WATER SAVING

Our water-saving strategies incorporate greywater treatment, efficient landscape measures, and sustainable water management. We ensure that water resources are preserved while creating green, resilient urban spaces

- Integrate grey water treatment
- Efficient water strategies
- Efficient landscape measures



البناء المستدام
Sustainable Building



USER COMFORT ANALYSIS

This service focuses on analyzing thermal, visual, acoustic, and olfactory factors to enhance user comfort. We align operational scheduling, thermal comfort, and energy demand to improve the user experience in daily activities.

- Building activities
- Building operational scheduling
- Thermal comfort and energy demand
- Thermal, visual, acoustic, and olfactory analysis on human comfort to improved performance of daily activities

Project Stage Integration:

*Schematic
Design Development
Construction
Occupancy*

Rating System:

*Passive design buildings
Estidama
LEED
Mostadam
WELL*

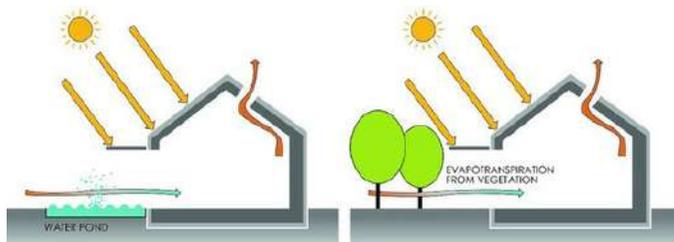




LCA & LCC

Our life cycle assessment identifies emissions at every project stage, optimizing materials to reduce carbon footprint. We balance sustainability and environment considerations to enhance long-term efficiency and incorporate renewable energy.

- Identifying emissions throughout the overall project cycle
- Reducing emissions of the critical stages
- The role of materials in reducing the building carbon footprint
- Balancing sustainability and environmentl consideration through the life cycle
- Incorporating building management systems to optimize the running energy demand
- Calculating the influence of renewable energy on reducing the project carbon emissions

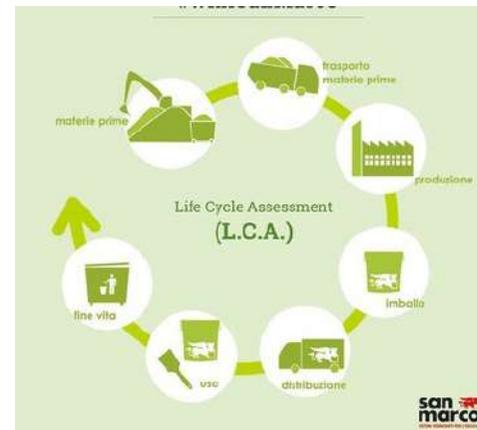


Project Stage Integration

Schematic
Design Development
Construction
Occupancy

Rating system :

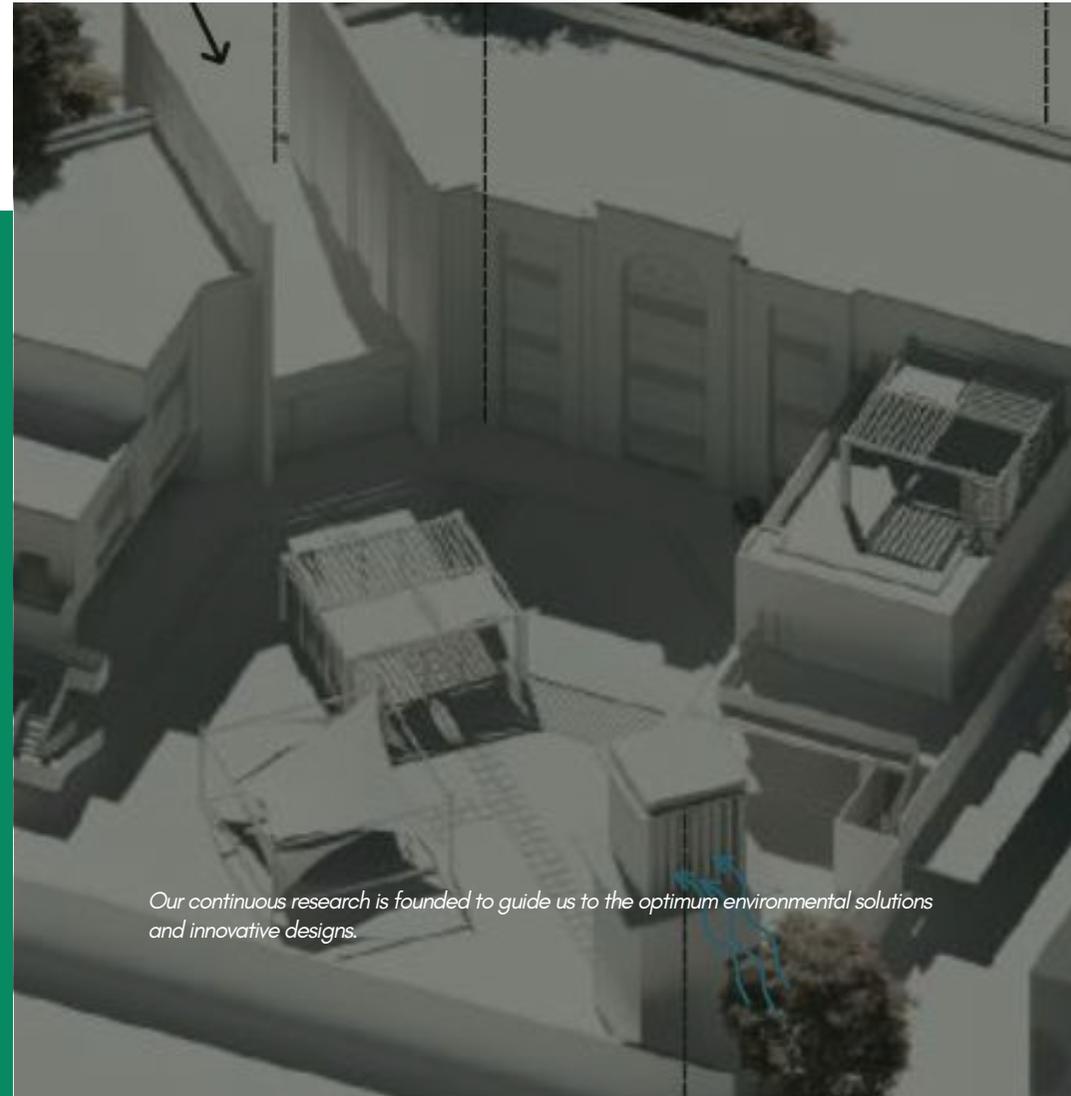
Passive design buildings
Oneclick LCA



We calculate the economic and environmental impact to ensure sustainable and cost-effective project cycles.



Environmental Research



Our continuous research is founded to guide us to the optimum environmental solutions and innovative designs.

ENVIRONMENTAL RESEARCH



WALKABILITY

The study explores various built environments, focusing on their climatic conditions and urban factors that influence walkability. Previous research has been conducted in hot cities like the UAE, KSA, and Egypt. Key points include:

- Emphasis on the connection between social and environmental factors.
- Identification of urban design features that promote walking.
- Exploration of three key areas:
 - Dynamic thermal sensation.
 - Impact of thermal environments on human perception.

Commercial potential of the region.



CLIMATE CHANGE

This project seeks to address the impacts of climate change on a user and community level by examining various thermal comfort scenarios. **The heat rise effect in Egypt has been studied across eight cities within different climatic zones to assess the levels of thermal stress in alignment with the SDG goals for 2030.** We evaluate past and future projections of outdoor thermal comfort to emphasize the necessary mitigation and adaptation strategies to combat urban warming. The research primarily concentrates on thermal comfort and its relationship with the built environment.



ENVIRONMENTAL RESEARCH METHODOLOGIES

- The track focuses on diverse methods and techniques.
- Utilizes both digital and physical tools.
- Investigates environmental parameters of:
 - Outdoor settings
 - Indoor settings
- Explores the interrelationship between outdoor and indoor environments.
- Employs microclimatic simulation.
- Incorporates building performance tools.
- Utilizes environmental monitoring.

Aims to create strategies that bridge gaps between different approaches.

Our Projects



Our Projects
**SUSTAINABLE
BUILDINGS**



Our sustainable building designs focus on energy efficiency and user comfort by incorporating passive cooling systems, natural ventilation, and optimized layouts.

We prioritize the development of economically viable, comfortable, and environmentally friendly buildings using passive design strategies. This approach is designed to meet project specifications while achieving low energy performance, aesthetic appeal, and tailored solutions for thermal comfort.

By reducing heat gain and energy consumption, we help clients achieve long-term savings and create environmentally-friendly spaces.



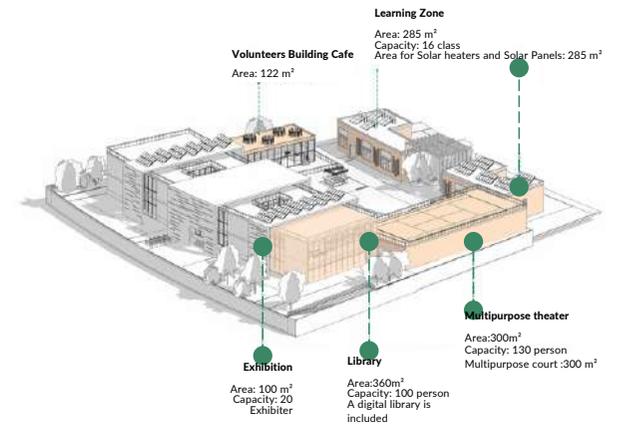
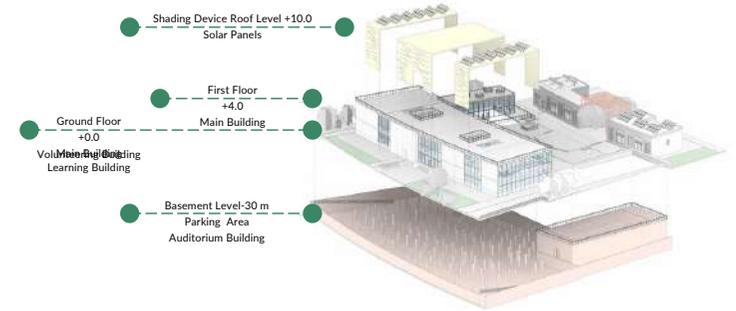
COMMUNITY EDUCATIONAL CENTER

S U S T A I N A B L E B U I L D I N G S

Services offered:

- *Investment analysis*
- *Net-zero sustainability planning*
- *Architectural concept design*
- *Analysis of social and environmental comfort*





MARHABA

S U S T A I N A B L E B U I L D I N G S

Our services encompass:

- *Conceptual design for architecture*
- *Development of design*
- *Landscape design*
- *Analysis of microclimates*
- *Green certification*





SWANEY HOSPITAL

S U S T A I N A B L E B U I L D I N G S

Services include:

- *Facade retrofitting design*
- *Energy performance analysis for left wing*



MOSQUE

S U S T A I N A B L E B U I L D I N G S

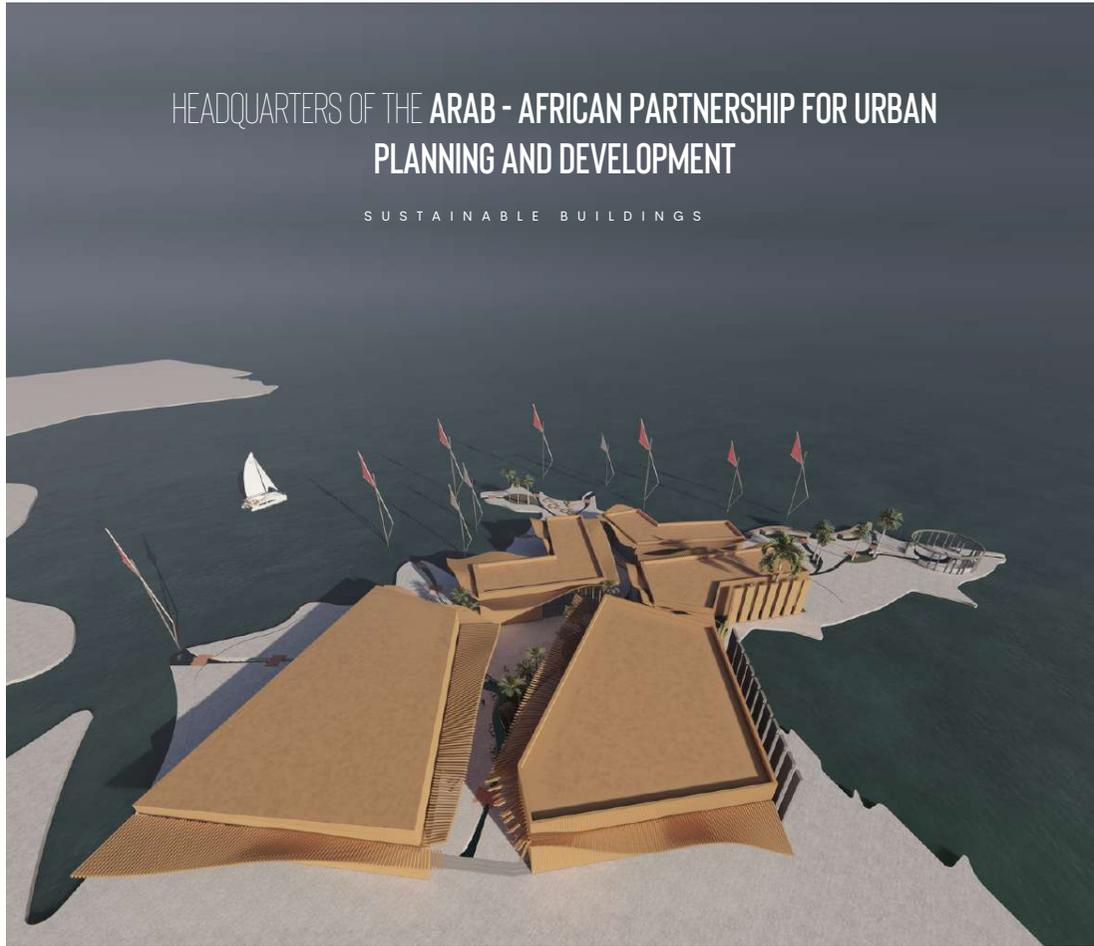
Services Offered:

- **Mosque Design Concept:** *Our mosque designs blend traditional aesthetics with contemporary sustainability practices, creating a space that is spiritually enriching and environmentally mindful.*
- **Glass Detailing Concept:** *We emphasize energy-efficient facades, enhanced natural light, and sustainable materials to craft a tranquil and eco-friendly environment.*



HEADQUARTERS OF THE ARAB - AFRICAN PARTNERSHIP FOR URBAN PLANNING AND DEVELOPMENT

S U S T A I N A B L E B U I L D I N G S



FORM GENERATION



SITE LOCATION

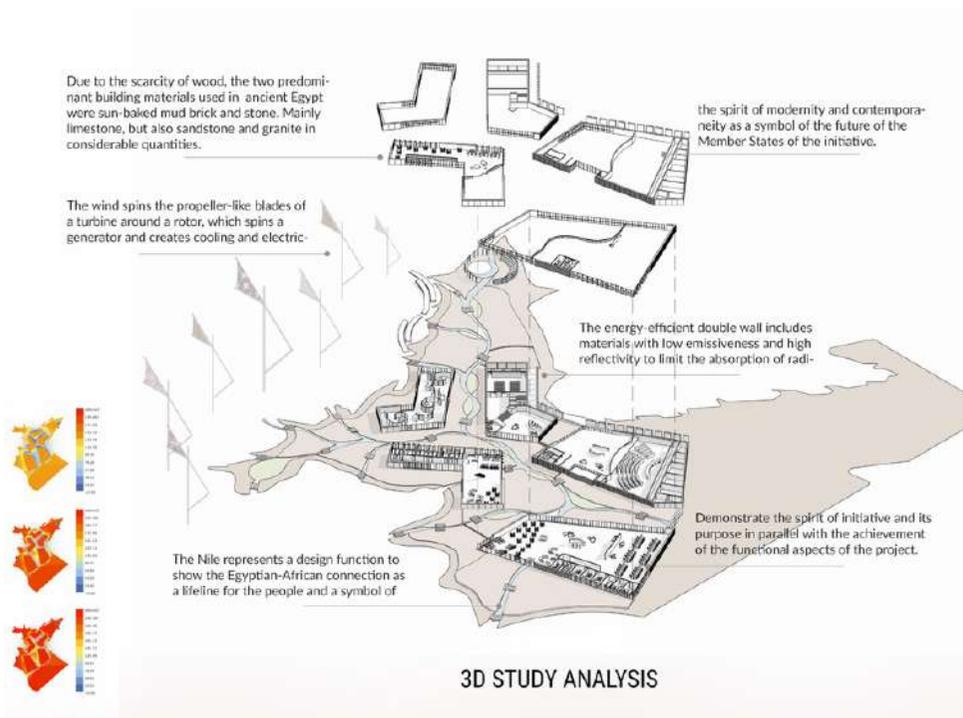
The design includes simple architectural characteristics: mass bifurcation, palm trees, central towers, double walls in the south facade and generous shading geometry in the main space. By combining the modular architecture of the project with the local vernacular pillars, the entire site is sculpted.



LAYOUT



SECTION A-A



MARBLE SHOWROOM

Pv integration

Base Case

Consumption Per Year: 491,904 kWh

PV Area Needed to cover 100%: 1639.68 m²

PV Total Cost: 2,732,800 EGP (Excluding Tax and Installation)

PV Payback Period: 4.83 years (Excluding Tax and Installation)

Optimized Case

Consumption Per Year: 403,515 kWh

PV Area Needed to cover 100%: 1,345 m²

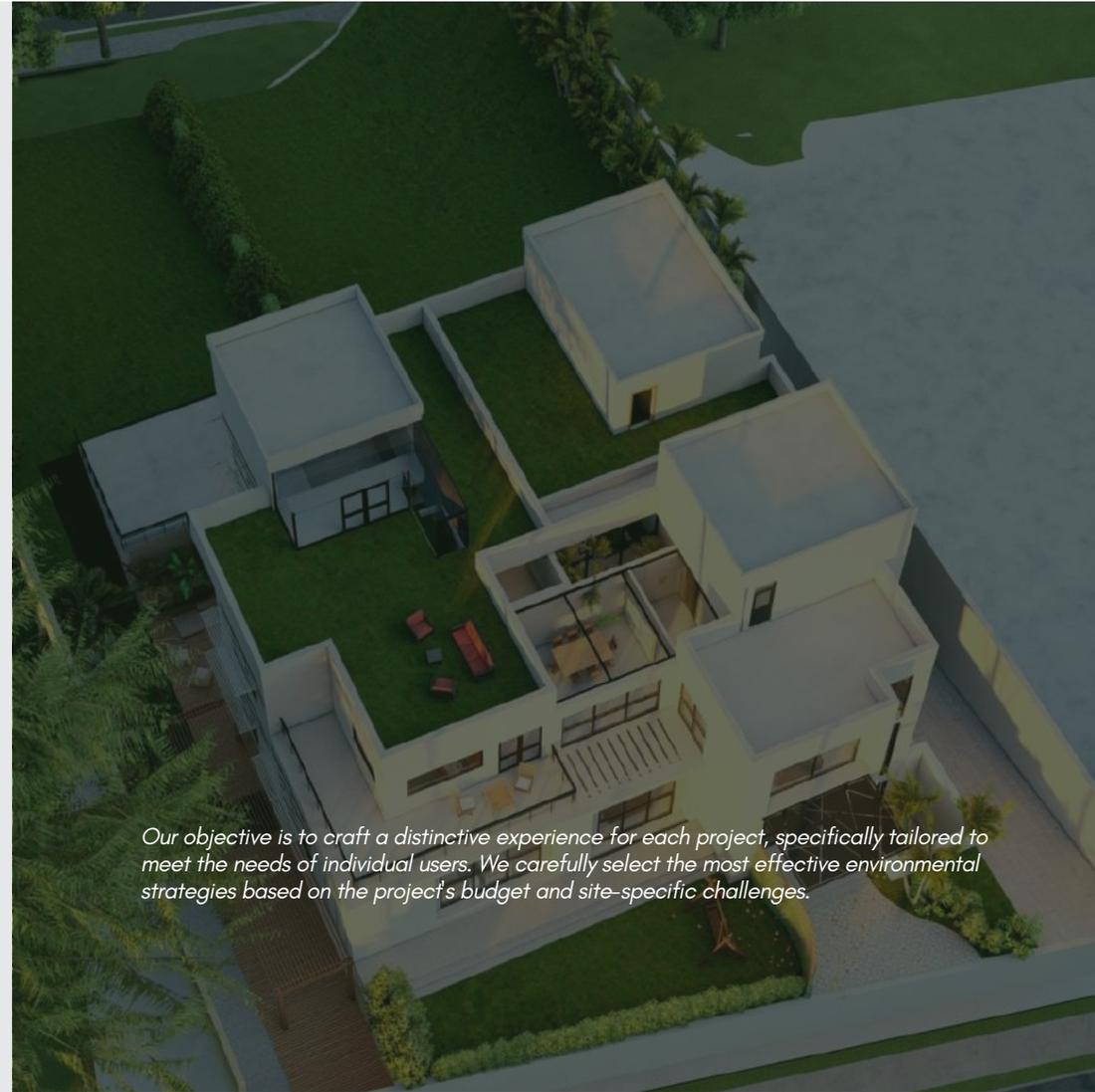
PV Total Cost: 2,241,750 EGP (Excluding Tax and Installation)

PV Payback Period: 4.83 years (Excluding Tax and Installation)

The proposed design interventions will help the client save around 101,647 EGP every year based on the assumption that the building operating hours are 12/5



Our Projects
**COMFORTABLE
HOMES**



Our objective is to craft a distinctive experience for each project, specifically tailored to meet the needs of individual users. We carefully select the most effective environmental strategies based on the project's budget and site-specific challenges.

UAE Private Villa

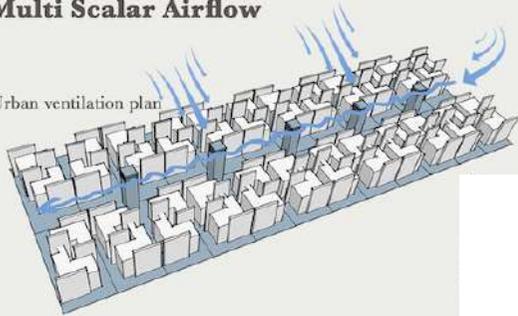
 Environas



Environmental Urban & Architectural Design

Multi Scalar Airflow

Urban ventilation plan



AN URBAN BREEZE

Harnessing the wind as a force of comfort and climate resilience, the design transforms the urban block into a living, breathing system. The proposed unit typology choreographs airflow through a network of shaded corridors and green pockets, creating a seamless flow of ventilation across pressure zones.

These wind corridors act as natural cooling channels, guiding the breeze through the fabric of the masterplan. By shaping the built environment to welcome and accelerate air movement, the design amplifies wind speeds at the pedestrian level—reducing urban heat and restoring the sensory pleasure of the desert breeze.

Here, wind is not an afterthought—it is an architect of experience, carving out a microclimate that makes the city not just livable, but breathable.

UAE Private Villa



 Environas



The Design of the building:

Our design is a love letter to the UAE's heritage and future! Inspired by the palm tree's trunk—with its woven, wave-like patterns—the building blends natural beauty with modern innovation.

But it's more than just looks! We wanted to honor the wisdom of the UAE's elders, who built their homes in harmony with the wind—shaping them to shelter from winter storms and welcome summer breezes. Today, we carry that same thoughtful *spirit* forward.

The Building itself tells a story:

The front facade feels futuristic, bold and forward-looking.

The back side pays tribute to the past, echoing the ingenuity of ancestors. And as you walk through, it's like a journey through time—from the rich traditions of the UAE to the exciting possibilities of tomorrow. It's where heritage meets innovation, and every step connects the past to the future.



Palma Pyramids

C O M F O R T A B L E H O M E S

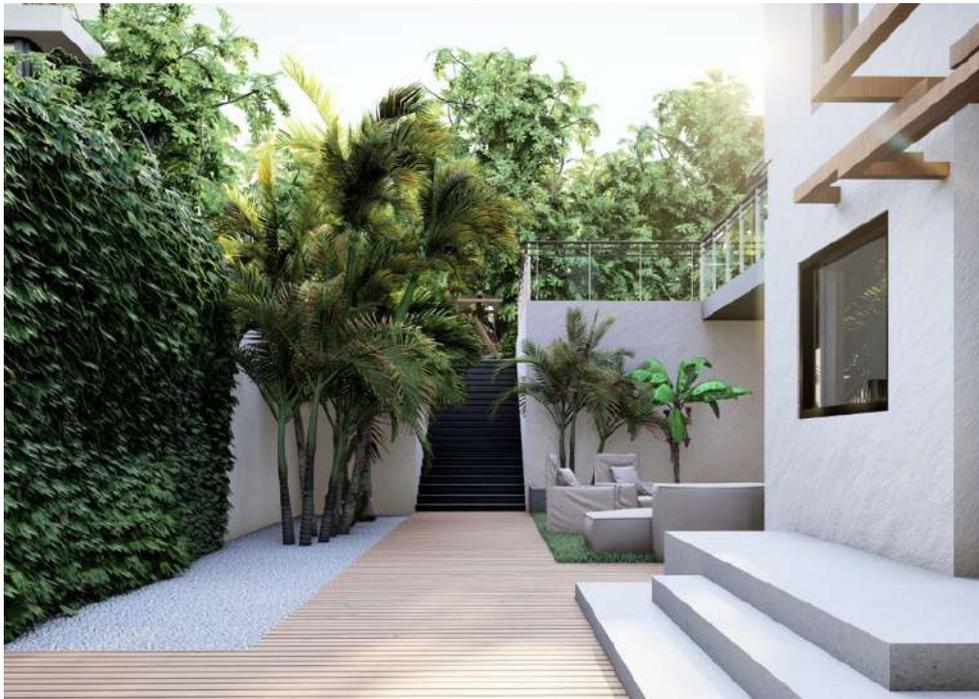
Our services enhance your environment by providing both comfort and efficiency, focusing on sustainable solutions that surpass energy standards.

- **Interior Renovation and Styling:** *We offer creative design services that tailor your interior spaces to reflect your unique style.*
- **Landscape Design and Implementation:** *Our team crafts plans for serene gardens or vibrant outdoor areas that complement your lifestyle.*
- **Smart Home Integration:** *We seamlessly integrate smart technology, enabling you to effortlessly control lighting, security, climate, and entertainment.*
- **Custom Cabinetry and Woodworking:** *Our skilled artisans create bespoke cabinetry and woodworking that combine sophistication with practicality in your home.*

Each service is tailored to fulfill your specific requirements, ensuring a personalized experience. Contact us to start transforming your space!

The project proposes an asset division units concept to ease the sale leasing. A set of environmental strategies are integrated within the project tailored for each apartment

ENVIRONMENTAL CHALLENGES



GREEN CERTIFICATES



Leading tool for advancing health and well-being in buildings



Initial Cost = 10% added
ROI = 10-15%

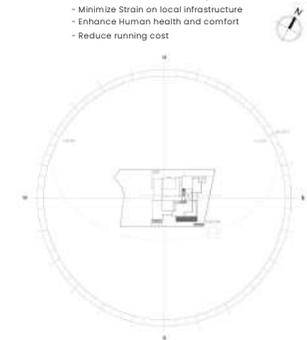
- Energy
- Water
- Habitat



Initial Cost = 20% added
ROI = 20%

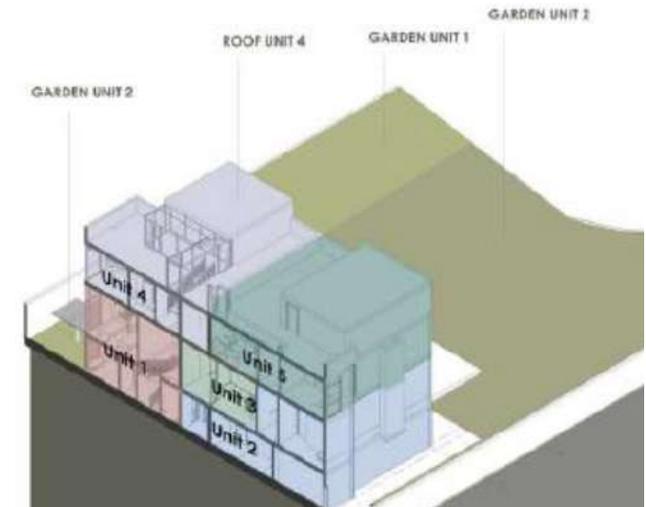
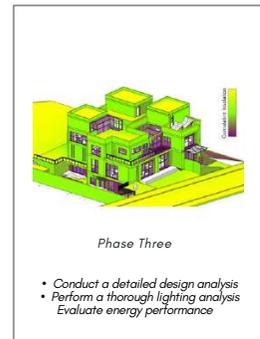
WHY PASSIVE DESIGN ?!

- It will revitalize the community
- Minimize Strain on local infrastructure
- Enhance Human health and comfort
- Reduce running cost





PROJECT PHASES



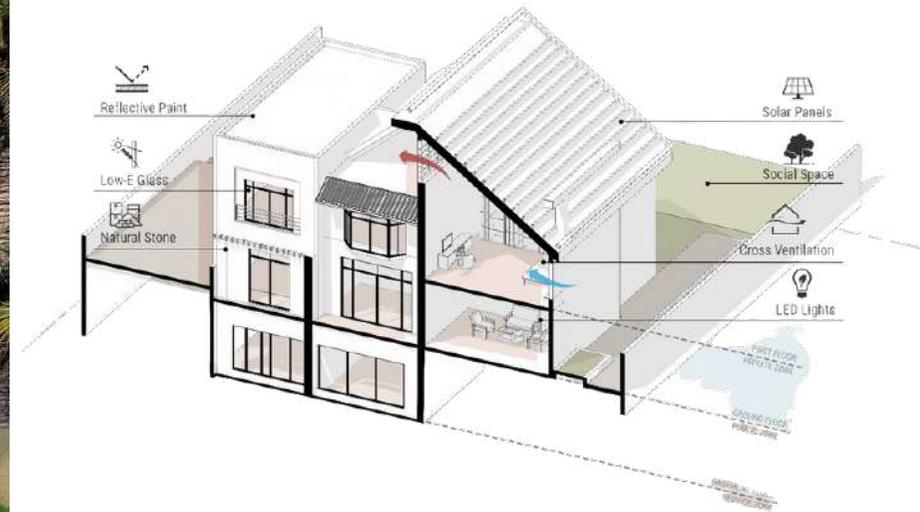
JUMEIRAH VILLAS

COMFORTABLE HOMES





PROJECT ANALYSIS



The services offered include:

- *Conceptual design for architecture*
- *Development of design*
- *Summary of investment*

PRIVATE **RESIDENCE**

S U S T A I N A B L E B U I L D I N G S

Private Residence





Services include:

- *Concept and preliminary design*
- *Design assessment (micro climatic and thermal comfort)*

Our services encompass:

- *Energy performance simulations aimed at minimizing electrical consumption, including P.V. design, installation, and solar heating systems.*
- *Lighting analysis focused on reducing operational costs based on function and user requirements.*
- *Microclimatic assessments of the site to evaluate how greenery and landscaping affect the building and its surroundings.*
- *Sustainable landscape design and irrigation systems tailored to decrease water usage.*



Thermal Transition Space

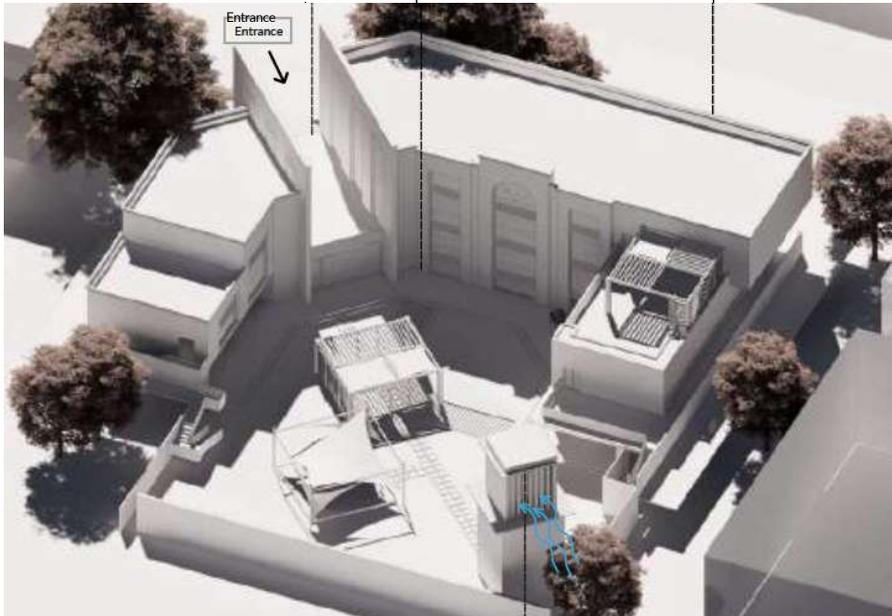
Natural Cross ventilation provides thermal comfort by reducing heat and allowing air flow

Separate Wings

The energy efficiency approach evolves from allocating the spaces with highest operational hours in the basement level.

Heat Avoidance

Solid walls on the southern facade

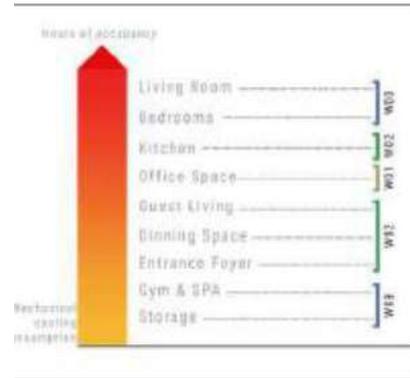


Private Residence

Wind Catcher

A passive cooling system which significantly influences the cooling loads and outdoor ventilation

Spatial redistribution



PROJECT ANALYSIS







GOLDEN GATES VILLA

COMFORTABLE HOMES



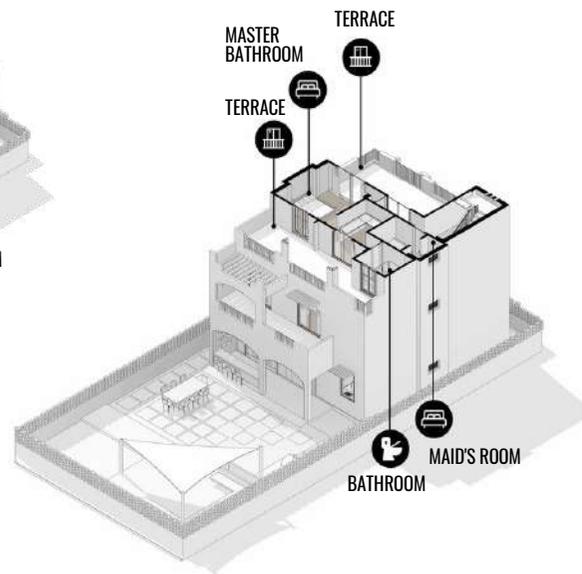
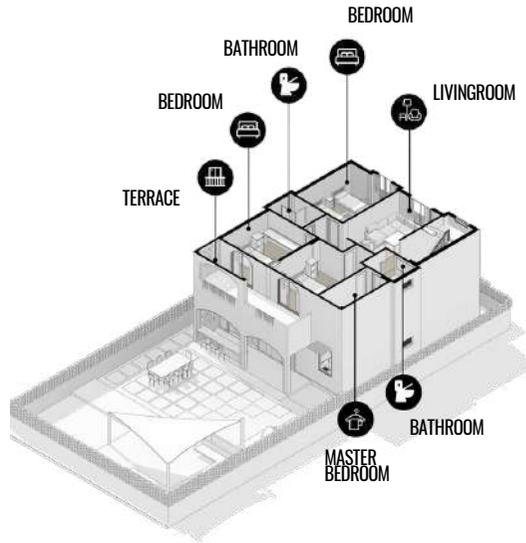
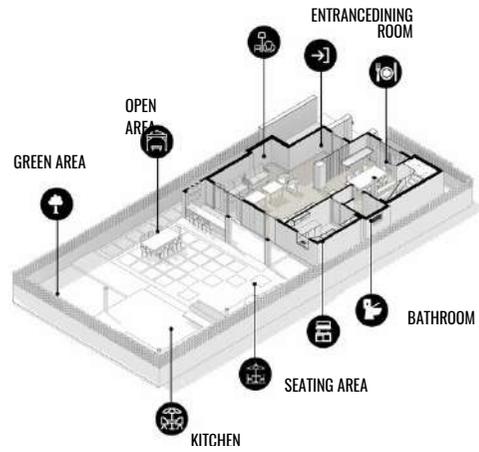
Our services encompass:

- Soothing and luxurious interior designs that seamlessly integrate natural elements.
- Utilizing architectural features and spatial design to enhance the health and well-being of occupants.
- Conducting thermal comfort analyses tailored to the activity levels within various spaces.
- Performing energy performance simulations aimed at reducing electrical consumption.

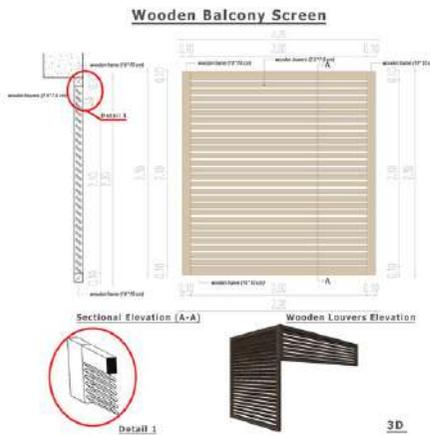
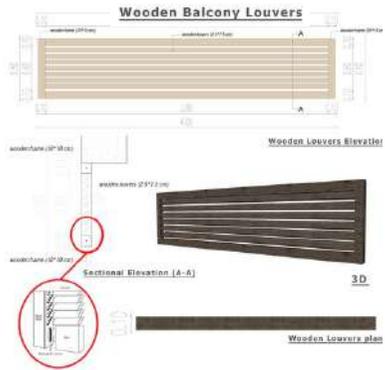
Executing lighting analyses to minimize operational costs based on functional requirements and user needs.







FACADE DESIGN



Services include:
- Facade retrofitting



NORTH COAST VILLA



Services include:

Façade design

Interior Design

Site supervision



NORTH COAST VILLA



Services include:

- Façade design*
- Interior Design*
- Site supervision*



NORTH COAST VILLA



Our Projects
**PRODUCTIVE
OFFICES**



To create healthy work environments, we innovatively design office spaces that enhance spatial experiences by utilizing light, color, materials, and ventilation. This ensures that optimum comfort and productivity levels are achieved.

Our customized comfort solutions emphasize:

- *Lighting*
- *Acoustics*
- *Efficient spatial distribution.*



NOUR EL REFAI *Studio*

PRODUCTIVE OFFICES

Service includes

- *Interior design concept*
- *Digital gallery design concept*

As we attempt to envision how future workspaces would look like, this one is special.

An immersive gallery and office for NOUR EL REFAI

 Environas

We designed flexible spaces, shooting areas and lounges that integrates nature at every corner that are environmentally sound.

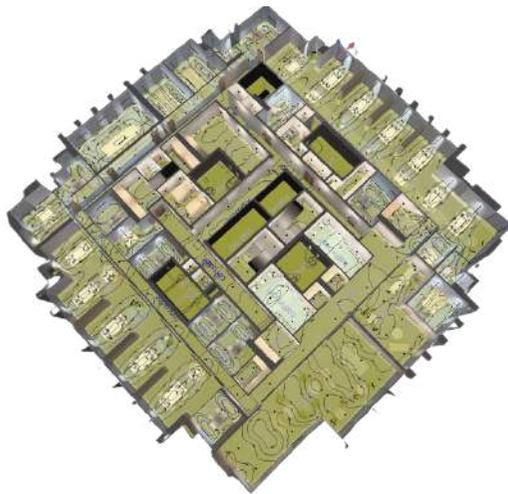
The lighting, acoustic, and thermal comfort analysis were conducted for an optimum performance of the spaces.





ISERVIER

SUSTAINABLE BUILDINGS



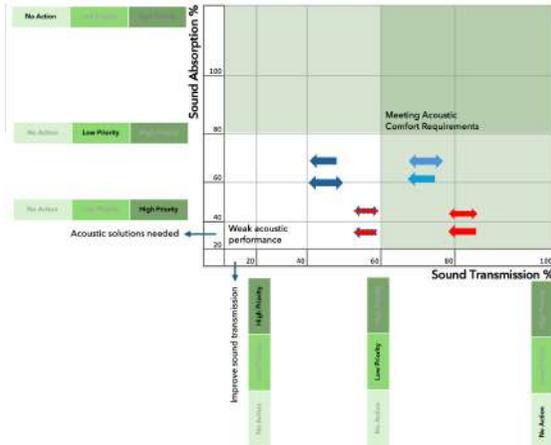
Services include:

- Lighting analysis
- Acoustics analysis



*The role of energy efficiency and user comfort has been successfully achieved at IServier through the collaboration of **Environas** and **Studioplus**.*

Comprehensive lighting and acoustic analyses were performed to enhance the spatial qualities of the environment.



Services include:

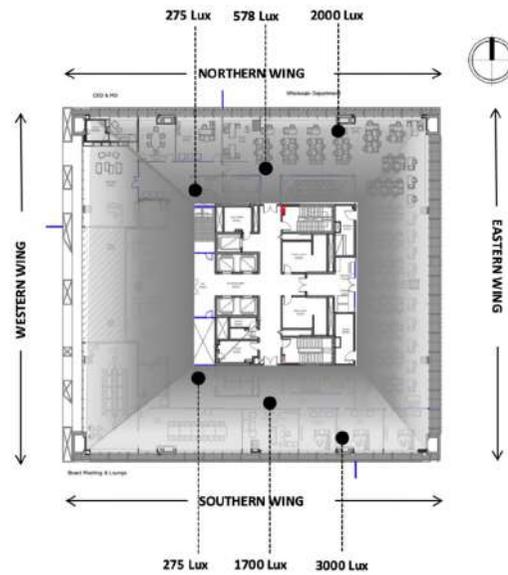
- Acoustics analysis



The role of sound insulation and acoustic analysis was conducted for the BELTONE headquarters in consideration to the lighting and interior design installation.

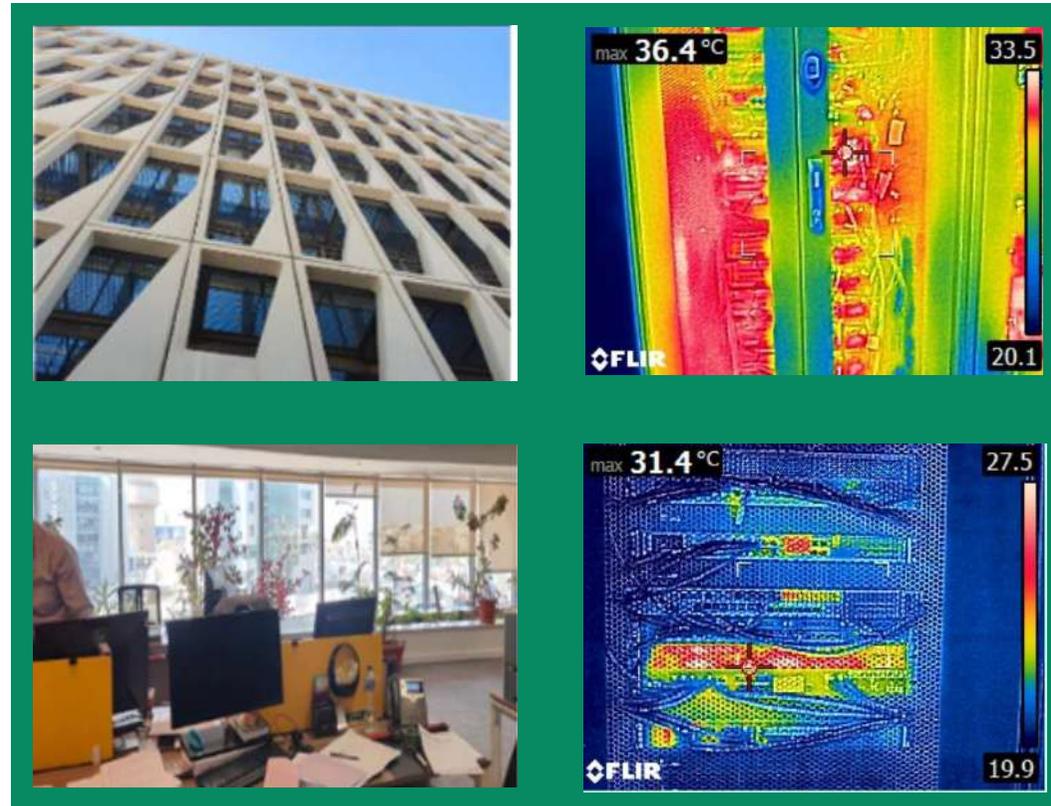
ABC Bank

S U S T A I N A B L E B U I L D I N G S



Services include:

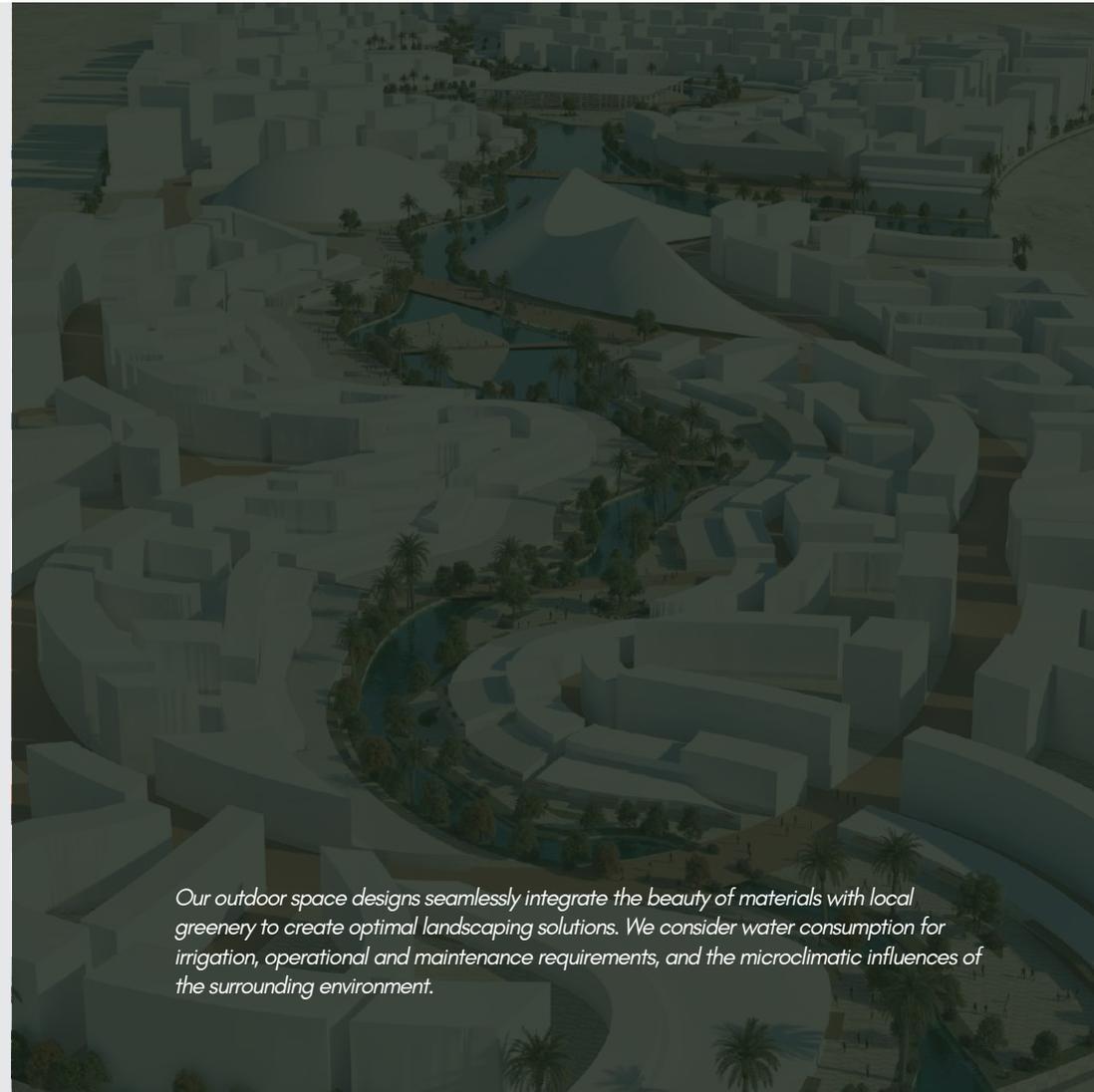
- Energy & water audit



Assessment for electrical, HVAC, plumbing and lighting systems for the building infrastructure to identify energy and water reduction strategies.

Our Projects

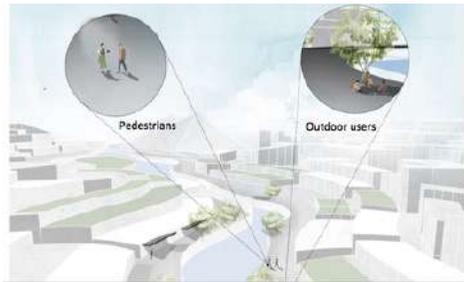
OUTDOOR SPACE DESIGN

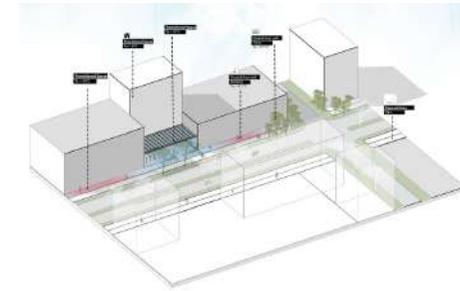


Our outdoor space designs seamlessly integrate the beauty of materials with local greenery to create optimal landscaping solutions. We consider water consumption for irrigation, operational and maintenance requirements, and the microclimatic influences of the surrounding environment.

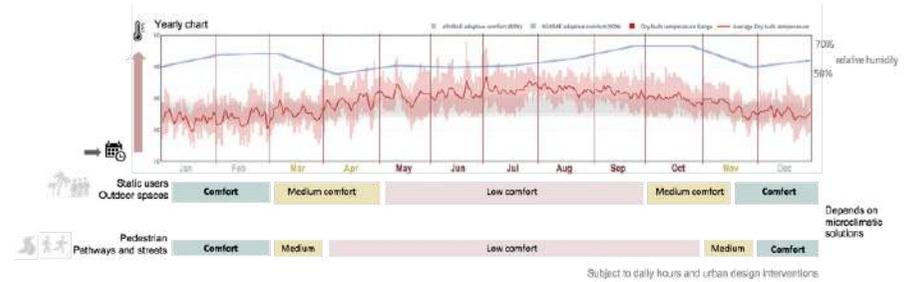
UPTOWN JEDDAH MASTER PLAN

OUTDOOR SPACE DESIGN





CLIMATE & COMFORT IN JEDDAH
GENERAL GUIDELINES



Services offered include:

- Thermal comfort evaluation tailored to user activity levels in various spaces
- Microclimatic assessment of the urban master plan to analyze street orientation and geometry
- Analysis of walkability alongside thermal comfort

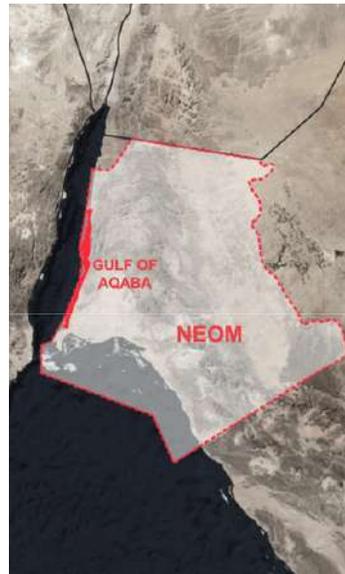
NEOM



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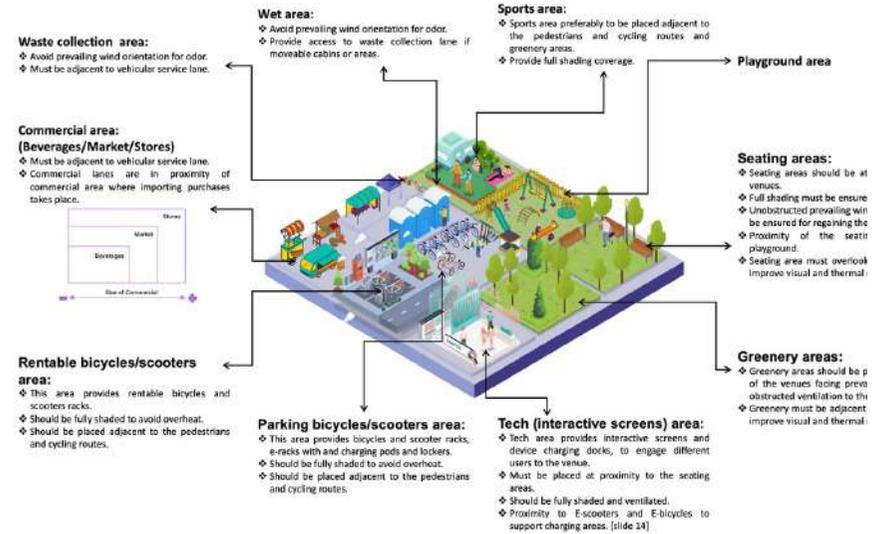
Gulf of Aqaba
Mobility Strategy

THERMAL COMFORT
WALKABILITY AND CYCLING GUIDEBOOK



Venues Diagram

Primary, Secondary, Transitional, Residence and Refugee





COOLING STATION

OUTDOOR SPACE DESIGN





LA POIRE

OUTDOOR SPACE DESIGN





MAIN EVENTS & PARTICIPATIONS

July 2022

Environas at EGBC

Environas was an exhibitor at the BIG 5 Construct Egypt as a silver member of the EGBC Egypt Green Building Council



November 2022

Recovery Spaces for Walkability

Environas was a winning proposal at the Climate Action Hub in COP27 in Sharm El Sheikh, Egypt.

*The session named: **Recovery Spaces For Walkability** presenting an interdisciplinary work, merging simulation tools, research, data gathering and analysis on the design of cooling interventions in hot urban environments to improve pedestrians thermal comfort.*



Climate action.

November 2022

Reducing the Housing Sector's Contribution to CO2 Emissions

Environas was an exhibitor in the MENA HOUSING FORUM in Cairo, Egypt founder presented a session titled:

Reducing the Housing Sector's Contribution to CO2 Emissions giving an overview to integrate policies, research and design.



MAIN EVENTS & PARTICIPATIONS

February 2023

Business Resilience & Sustainability

Environas was one of the few selected businesses for the training workshops on:

Business resilience and Business sustainability program by Womenpreneur and GIZ, Egypt.

<https://womenpreneur-initiative.com/fit4future-business-program>

Womenpreneur
INITIATIVE



October 2023

Building Climate Resilient Cities

Environas is a main Sponsor of the International conference in Lagos, Nigeria on:

BUILDING CLIMATE RESILIENT CITIES: Activating Industry Roles and Government Institutional Policies for Sustainable Action

<https://csbconference.com>

The main sponsor of the award "Green Steps in Green Buildings"



October 2023

Towards Resilient Active Mobility Infrastructures in Hot Cities

Environas presented in the Climate Action Hub:

Towards Resilient Active Mobility Infrastructure in Hot Cities

with Systematica on the role of walkability, bicycles, and scooters on improving last mile solutions for the integrated sustainable transport frameworks.

<https://unfccc.int/MENACW2023>

Middle East and North Africa
Climate Week 2023

Riyadh, Saudi Arabia | 8 - 12 October 2023
Hosted by the Government of the Kingdom of Saudi Arabia

MAIN EVENTS & PARTICIPATIONS

October 2024

Cairo Urban Week

Local Actions for Sustainable Cities," we're proud to contribute to this global movement for sustainable urban solutions with our Founder and Design Director Nihal Al Sabbagh

November 2024

World Urban Forum 12

Environas participated in an interactive session, alongside Egypt Green Building Council (Egypt GBC), to coincide with the World Urban Forum 12 Egypt hashtag#WUF12, which explores how we can lead the transformation to a more hashtag hashtag #sustainablefuture.

<https://wuf.unhabitat.org/wuf12>



Contact us



REQUEST A **MEETING** WITH US



contactus@environas.com

We'd love to hear from you. Tell us more about your upcoming project goals, how we can meet your business objectives, and guide your environmental impact.

Find us on social media

- LinkedIn - Environas
- Youtube - Environas/youtube
- @ environas_

Our locations

Egypt

16 Badr Buildings, Ring Road, Sarayat El Maadi, Cairo, Egypt

UAE

5 Qroun At Tofouh St., Al Hisn, Building, Abu Dhabi, UAE