BACCA

Architecture & Engineering Consultant

QATAR

BACCA

Architecture & Engineering Consultant

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VISION

BACCA is committed to be a leading design consultancy from Qatar to achieve excellence built environment locally & at MENA region.

BACCA is an Architecture,
Urban Planing & Design Firm.

We also have full Engineering desciplinces:
MEP, Structure, Landscape & Interior design.

MISSION

BACCA mission is to create innovative and proficient building designs to enhance the Architectural design scene at MENA region with continued commitment to:

- Producing Smart Engineering solutions that combines best design quality with feasible construction and operational costs.
- Creating innovative & organized working environment for our team.
- Listening & interacting with the needs and the experiences of our client and/or the local community.
- Creating design products that will always have the potential of participating in reputable Architectural platforms.
- Expanding gradually and sustainably at MENA region.

BACCA is a:
Grade A Architecture & Engineering Consultant


لجنة قبول وتصنيف المهندسين ومكاتب الاستشارات الهندسية

شهادة قيد في سجل مكاتب الاستشارات الهندسية المحلية

يرخص للسادة : بكة للاستشارات المعمارية والهندسية بالفئة: الأولى

بمزاولة مهنة الهندسة بالتخصصات: هندسة معمارية برقم قيد: 408/م

تاريخ القيد: 2024/09/09م سارية حتى تاريخ: 2026/09/08م

صدرت في: 2024/09/09م

يعتمد ،،،

م/ خالد جمعة المرزوقي

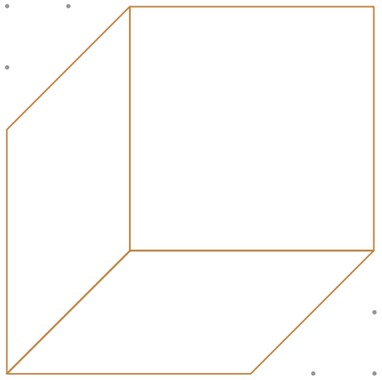
رئيس اللجنة

PILLARS OF BACCA

SMART ENGINEERING
Smart Engineering is Integrated in our design process focusing on quantified reduction of construction & operational cost and minimizing aborted work, claims and variations.

ATTRACTING ELITES
Best talents in the market are working with BACCA ensuring superior project end result & customer service.

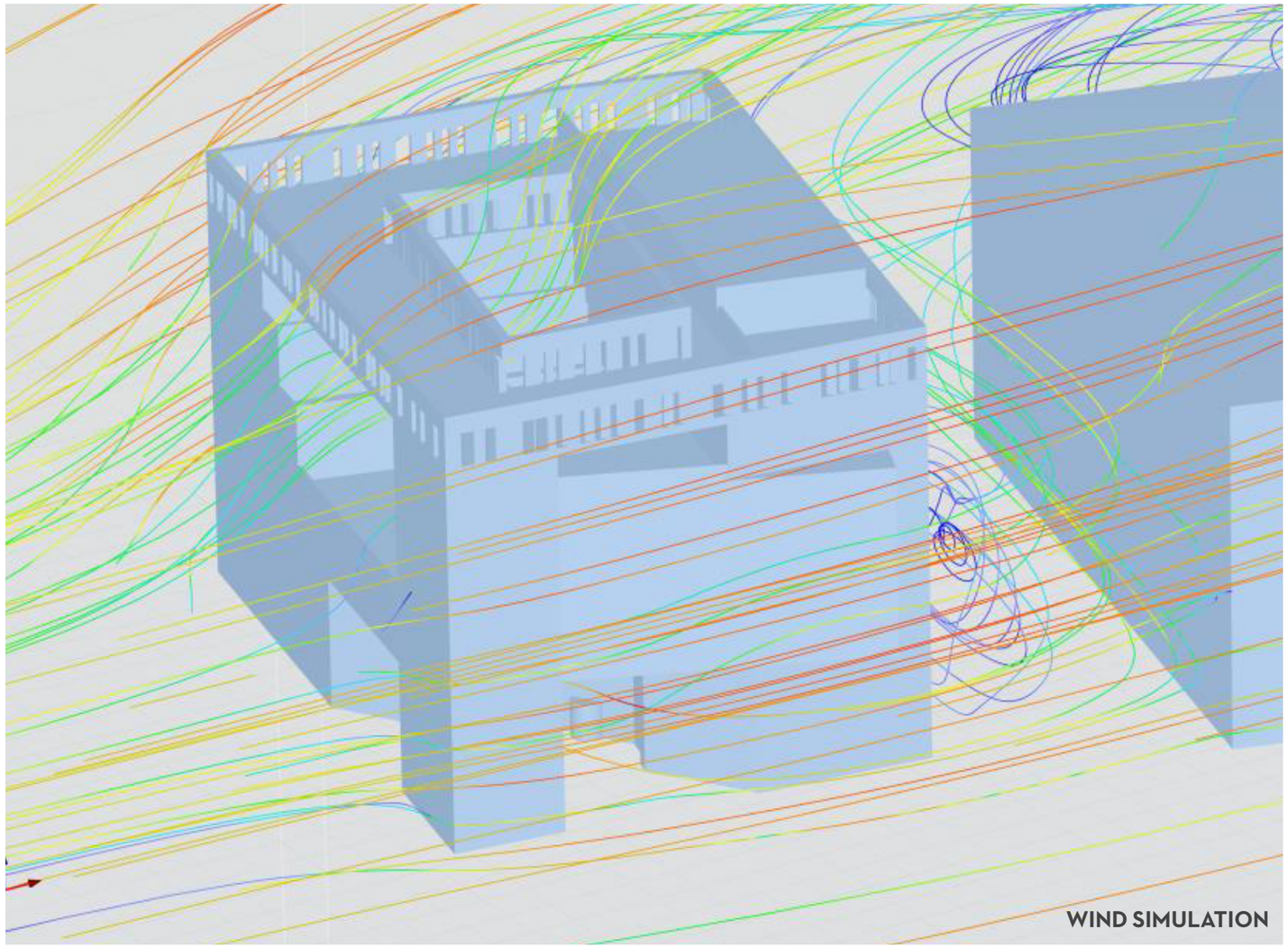
SOPHISTICATED ARCHITECTURE
High-Quality of Architectural concepts & winning prestigious Regional and Global Awards.



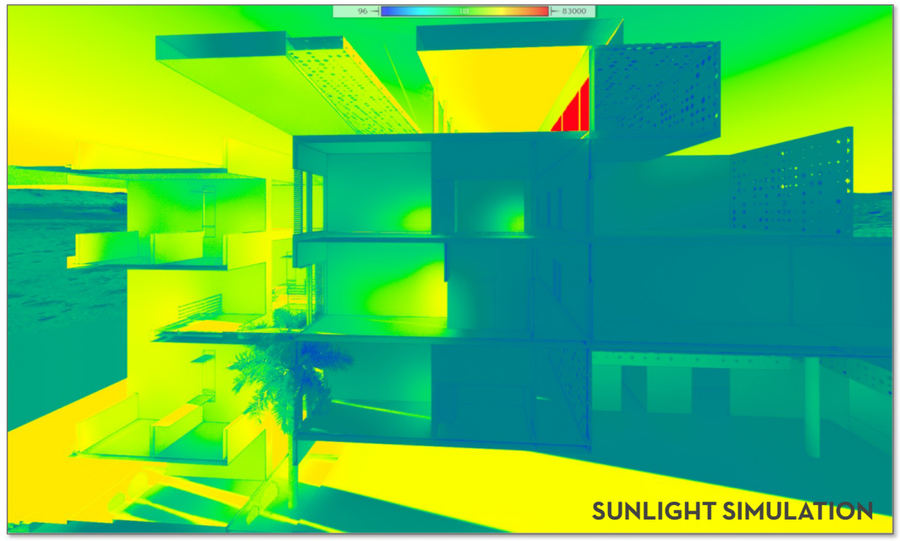
SOCIAL RESPONSIBILITY
Social responsibility - example - providing 2.5% of our profit back to support shelter design projects done by our team for humanitarian NGOs.

HIGHLY ORGANIZED
Advanced Project Management Systems PMIS: ensuring organized project management and providing a piece of mind to our clients.

REGIONAL DEPTH
An opportunity for regional expansion in the upcoming reconstruction era as professional Qatari Architectural & Engineering consultant.
Plus, our competitive price by our satellite offices support.



WIND SIMULATION



SUNLIGHT SIMULATION



THERMAL SIMULATION

SMART ENGINEERING

More than 16 simulators are Available within **BACCA Lab**

Which is our tool to maximize investment value. By eliminating risks and reducing construction & operational costs. costs.

TEAM ACHIEVEMENTS

ATTRACTING ELITES

BACCA GLOBAL RECOGNITION

2 TIMES 2018-2019

BACCA TEAM ARCHITECTURAL AWARDS WIN

17 AWARDS

LEADS WITH MASTERS DEGREE

70%

TEAM PUBLICATIONS

10

BACCANS COMMUNITY LEAD

AL JAZEERA - KHALED

QATAR TV - MANA

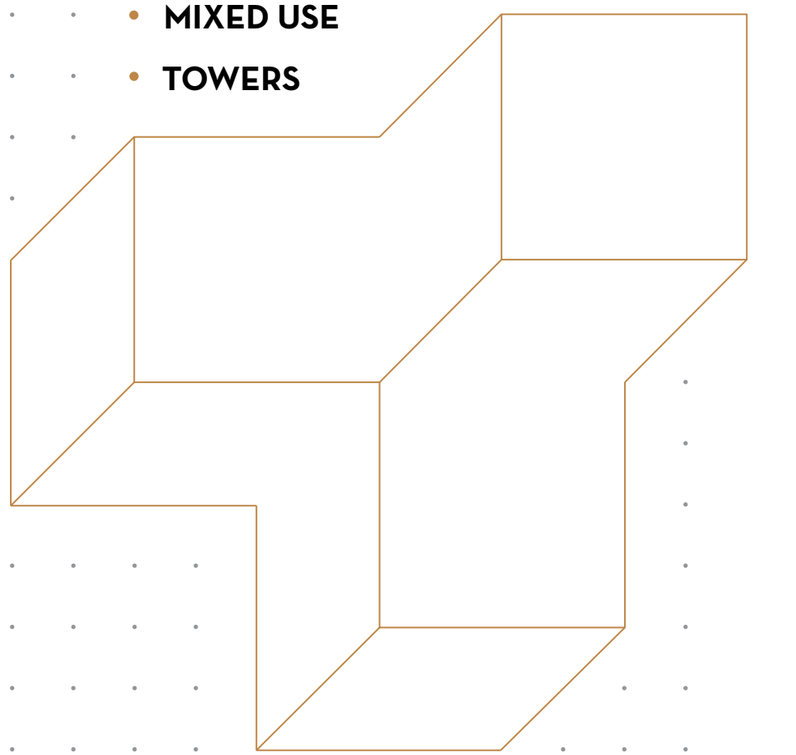
DOMESTIKA - SALEH

" 50 M ONLINE COURSES COMUNITY "

QATAR UNIVERSITY - FADI

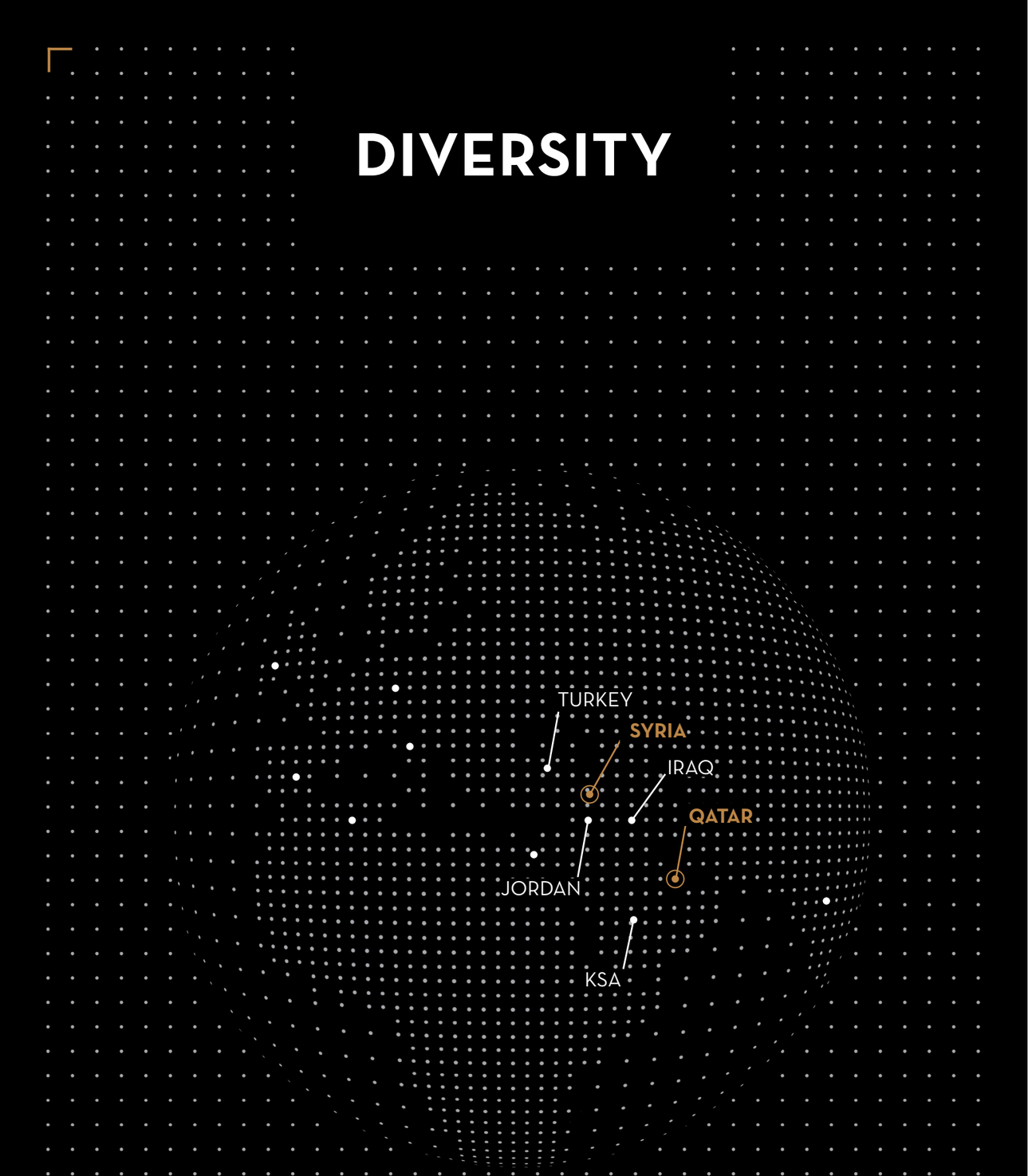
BACCA
CAPABILITIES

- HEALTH CARE
- URBAN DESIGN & LANDSCAPE
- MIXED USE
- TOWERS



- RESIDENTIAL
- INTERIOR DESIGN
- HOSPITALIT
- EDUCATION

DIVERSITY



REGIONAL DEPTH

Wide Experience of different kinds of Buildings & Urban projects: HealthCare, High Rise, Mix Use, Heritage, Governmental, Offices, Transportation, Residential, Military Base, Hotels, Museums, Educational, Urban Design and Landscape.

Diverse Nationalities more than **18 Nationalities**:
Qatar, Syria, Germany, Jordan, Italy, Turkey, UK, Philippians, US, Algeria, India, France, Egypt, Lebanon, Bosnia, Portugal, Sudan and Spain.
And more than **12 languages**:
Arabic, English, Turkish, Spanish, Italian, German, French, Bosnian, Filipino, Hindi and Portuguese.

Prestigious Companies Legacy
Our Team coming from the top active international & local consultants in Qatar and the region.

BACCA is a glocal consultant

BACCA
PROJECTS

ARCADIA
Mixed Use,
Qatar 2021
Urban Planning / Design, Architecture

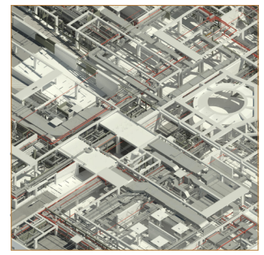


THE COURTYARD HUB
Office Building & Retail
Energy City, Lusail, Qatar 2022



LUSAIL PLAZA TOWERS

Plots 1 & 2, Lusail, Qatar 2021
BIM, MEP & Architecture SD, Value Engineering



UM QARN

Urnap Planing & Concept design.



BACCA
PROJECTS

LOFT 01 FOXHILLS

Loft building" duplex"



QFC

New headquarter of QFC , Qatar
Architecture, Interior



UMM QARN SCHOOLS

Big 2 schools from kindergarten to High-school
(1 for boys & 1 for girls)



Modern Classic



QETAIFAN PALACES

Design for a VVIP luxury Palace

Cutting Edge



BACCA
PROJECTS

AL SHAQAB ACCOMMODATION
Architectural Design For Commercial building



QSAA EXPANSION
Architectural Design For QSAA Expansion

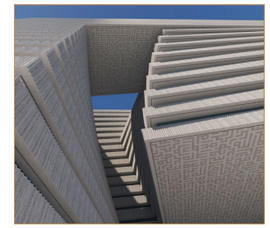


BOUTIQUE
Beach Hotel
4 Stars Boutique Hotel, Semaesme, Qatar
Architecture, Interior



ISLAMIC CENTER

Community Centre, Berlin, Germany 2018
Architecture, WAN Awards final listed Project



BACCA
PROJECTS

H11-H2O FOXHILLS
Modern Residential Development



BOWLING CENTER
Modern Entertainment Hub

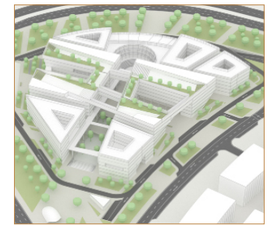


RECONSTRUCTION OF GAZA
Rebuilding Through Partnership with Local Community



LUSAIL UNIVERSITY

The Art of Mixed-use Neighborhood



ARCADIA
MIXED USE



Maximizing Development Value



Mixed-Use Development

Location: Qatar, Lusail

Scope: Concept to Detail Design Packages,

Full Design Disciplines (Architecture, Structure, MEP, Interior & Landscape)

Extra : 100% BIM, Simulations

Client : VVIP Shiekh

Budget:1.4 Billions QR





The Plot came to BACCA as empty 12 Hectares piece of land. We unleashed the hidden potential of this land in urban planning considering; serving Qatar new Financial Centre at Lusail Towers which are connected to our land with Tram & Metro Stations. The main idea was to create diverse urban areas for the residents and visitors to attract lease from other nearby development such as Foxhills. The Architecture style was inspired by heritage Qatari Style in contemporary form. To give a unique character to the project, the arcades used as key design element in the development in; use, scale and levels. Also, our design team aimed to design a modular repetitive design to establish Value Engineering design for construction and maintenance.





The three development zones integrated to have rich living and entertainment experience; from private parks and playgrounds at the pure residential and hotel apartments zone, to well-studied retail corridor zone with residential at top, to introducing the first commercial Sunken Plaza in Qatar with fan zone outdoor auditorium and built-in large-scale screen to watch live games and events.

In addition the commercial and F&B spaces at the commercial plaza zone and retail corridor offers to its visitors an outdoor cooling urban experience to be utilized in Qatar summer season.

THE COURTYARD HUB OFFICE BUILDING



Courtyard Office Experience





THE COURTYARD HUB
OFFICE BUILDING

Location: Energy City, Lusail, Qatar.

Type : Office Building

Client: ALJADAWEL REAL ESTATE

Construction Budget : 55 M QR

Scope: Design From Concept to IFC (Architectural, Structural, Electrical, Mechanical, Interior Design and Landscape) 2 B, G+M+4

BUA : 13000 sqm









The building emerged from Qatari heritage with renaissance of the courtyard -only here its vertically lifted-, The random nonsymmetrical façade -featured by abstracting the shapes and represented with modern materials-, The tress presented in the courtyard as well as the traditional water well -only here the wells are transformed into lighting wells (3 skylights)-, And finally the staircase is also present at in the courtyard -but here it's becomes spiral sculpture to show the contemporary construction era of the building.

The aim was to have a premium office experience where each office space has its; view, natural light and fresh air. The courtyard was the natural solution to achieve this, especially as the block oriented to the North (indirect sunlight) with spectacular view to Lusail Plaza Towers. The main entrance oriented between the two streets with a diagonal drop off which cut the lower building part to connect and attract visitors from the two banks of the streets.



The lower massive cut exposes the building inner layers which is a red rusted metal, renewable, closed ,authentic and solid material making a contrast with the light skin colour with large windows skin façade.The building is a vibrant creature with its: solar energy panels, courtyard, roof garden, terraces which all can be reached by the non-symmetrical spiral staircase which penetrate the building to the lower floors to become a main entrance attraction/lighting element.





A summer enclosed court yard (Business Lounge) of triple height with bridges overlooking the space and lightened by three cones of “lighting wells” from the above winter courtyard.







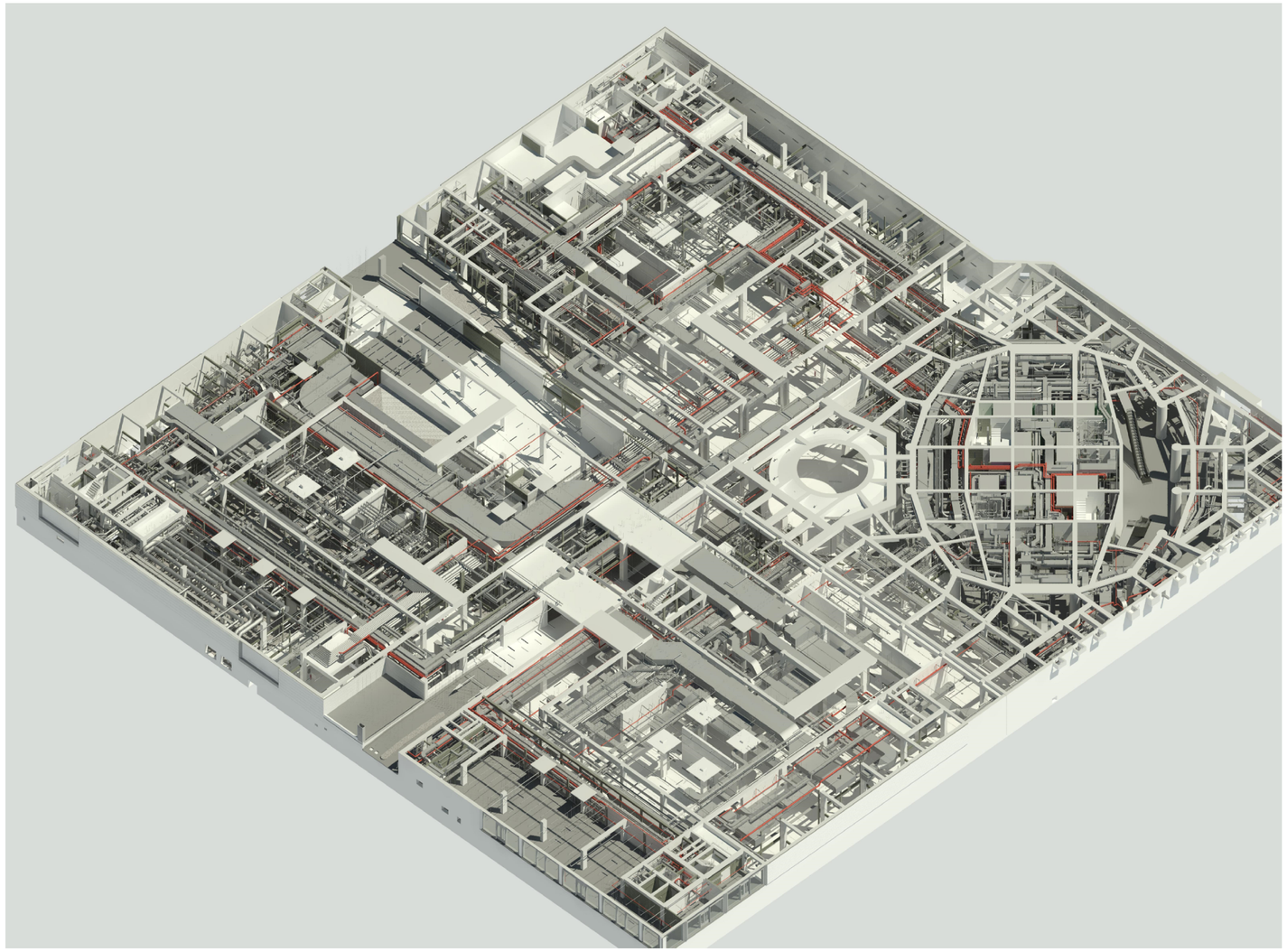
Both courtyards, winter and summer, and the remaining terraces works as Business Networking spaces for the community of Energy City. The building is communicating with the surroundings through a massive Media screen of 220 sqm tilted toward the main street For this networking, communicating and bonding activities the building holds. As well as for the important role of the courtyard in Qatar Heritage buildings and the key role of it in our building, we named it The Courtyard HUB for its community and visitors..

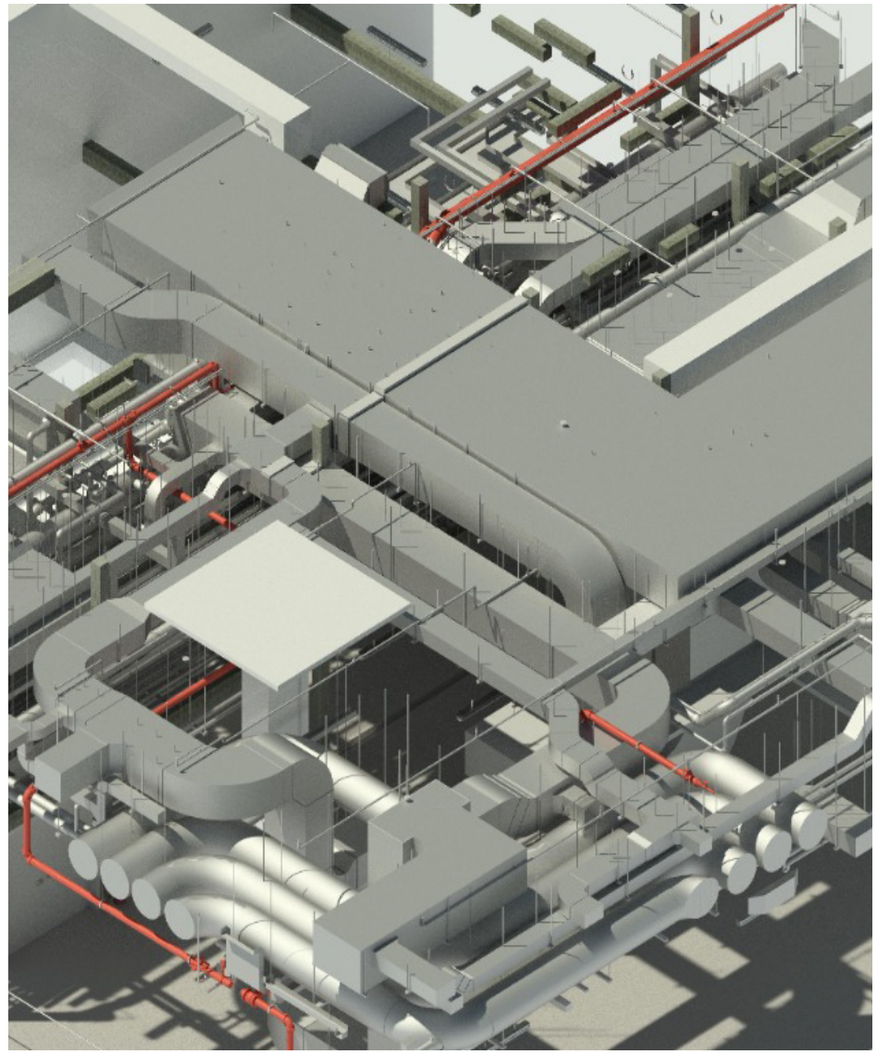
Watch The Video of the concept here
https://bit.ly/Energy_City_Office_Building

LUSAIL PLAZA



Value Engineering Achieved at Premium Quality





LUSAIL PLAZA

Location: Lusail City, Qatar.

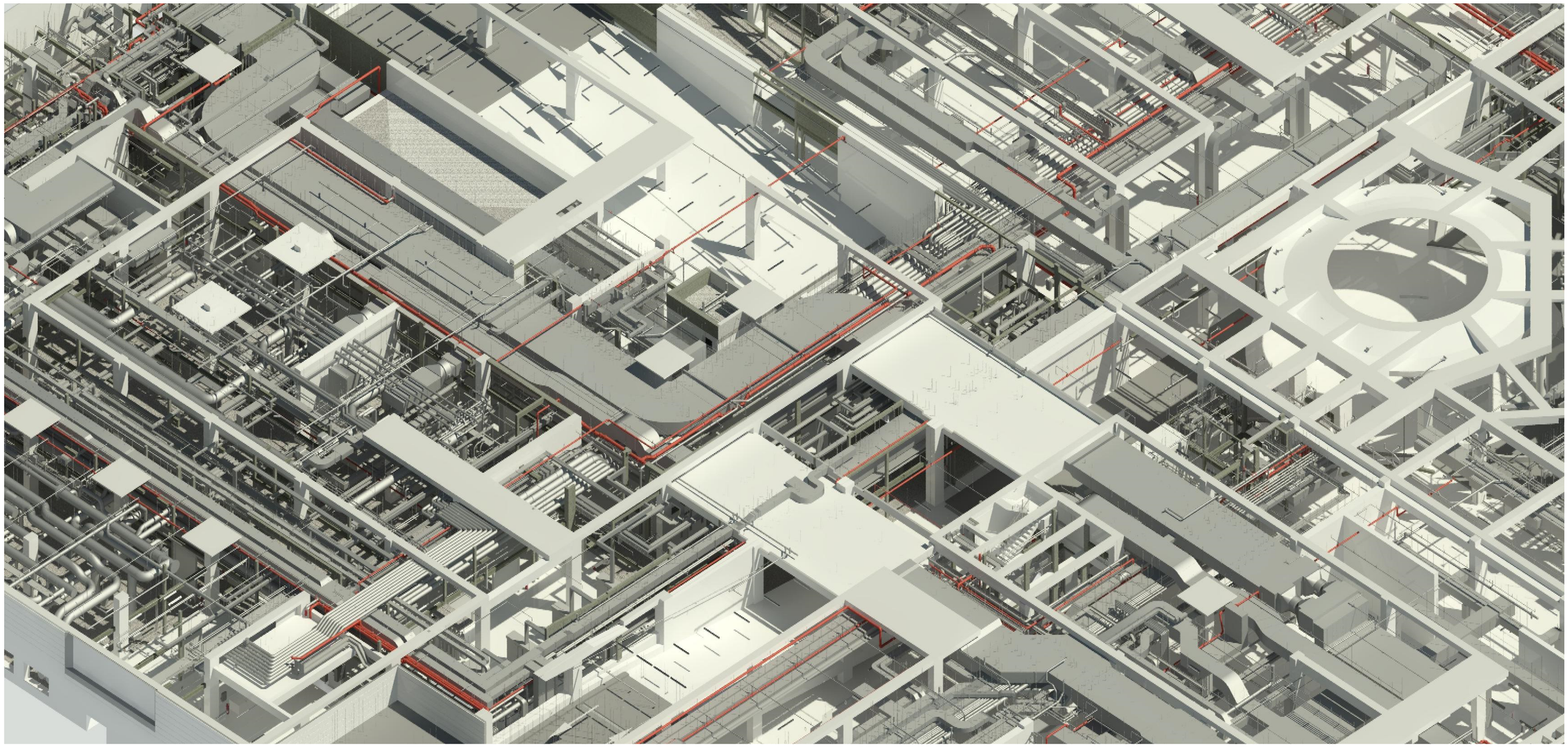
Type : High-Rise 55 Story Twin Towers and Commercial low rise Buildings

Client: D&B for Midmac-MIC MMJV

Construction Budget : Confidential

Scope: Electrical Cable Sizing Value Engineering & Lower Ground Technical MEP floor BIM Shop Drawings.





LUSAIL PLAZA

Lusail Plaza Towers designed by Foster & Partners is one of the largest and most sophisticated high-rise projects in Qatar and the Middle East. BACCA joined MMJV (Midmac-MIC) for diverse scope of work such as; BIM MEP (complete disciplines) Shop Drawings and Electrical Value Engineering for bus-bars & cables for the whole projects parts; (towers & podiums). The Study is for 5000 meters of bus-bars for which resulted savings in Millions of QR for our client.

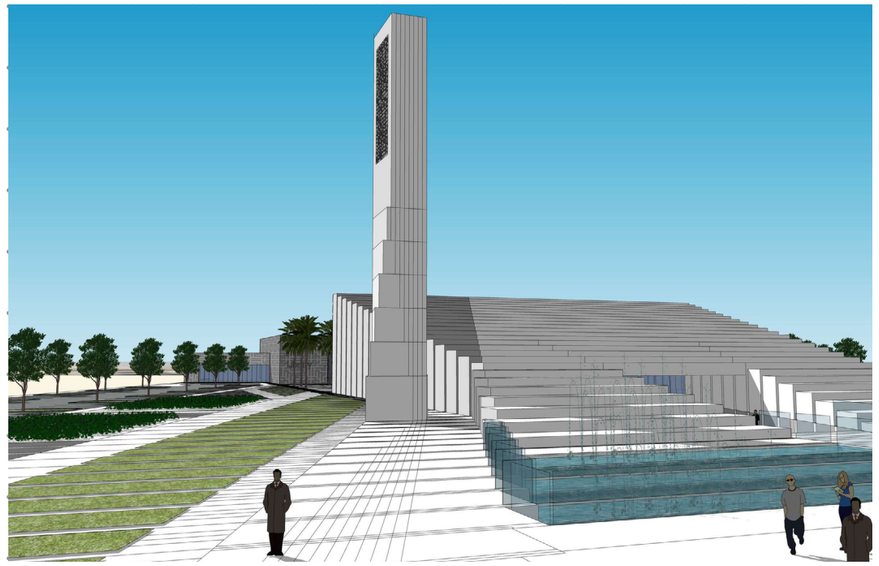
UMM QARN



UNIQUE COMMUNITY EXPERIENCE



UMM QARN





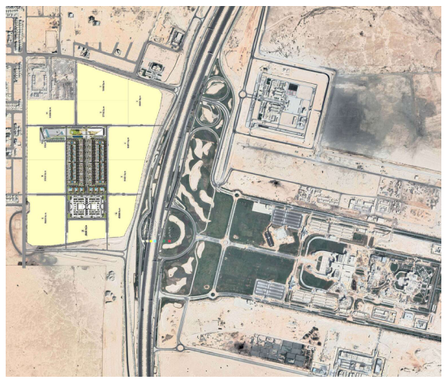
Location: Lusail, Qatar.

Type : High End Mixed Use low rise Development: Residential, Retail, F&B, Sport, Grand Massjed, community centre, and Schools.

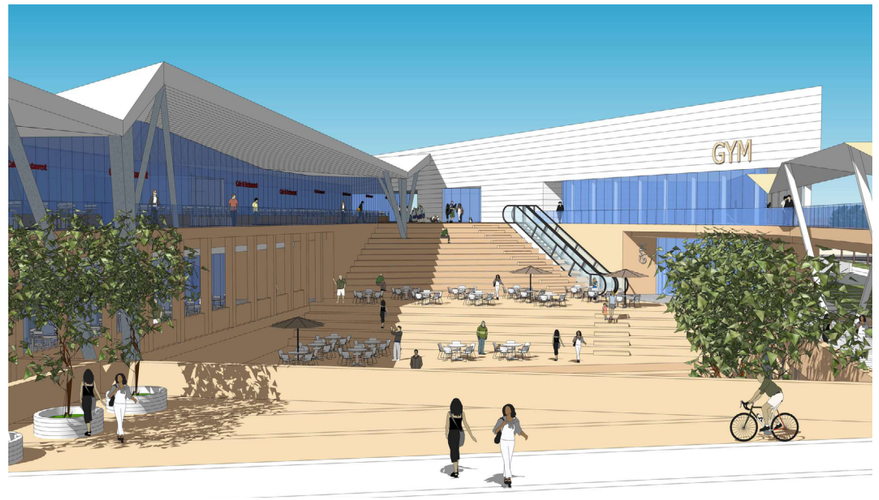
Client: Confidential

Construction Budget : 1.8 B QR

Scope: Concept; Urban Design, Architecture, Landscape .

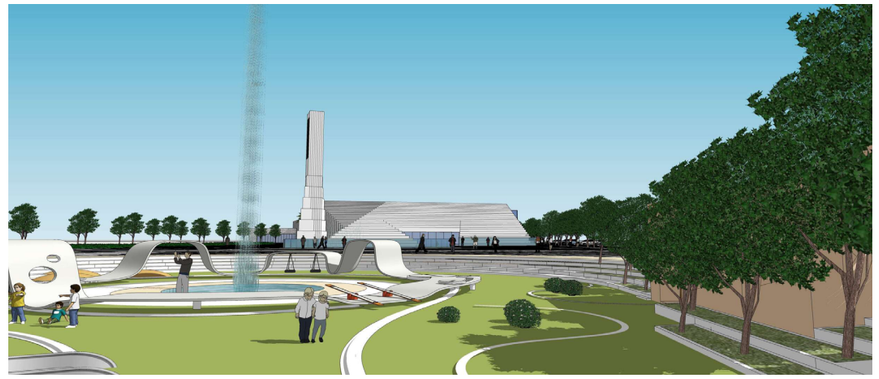








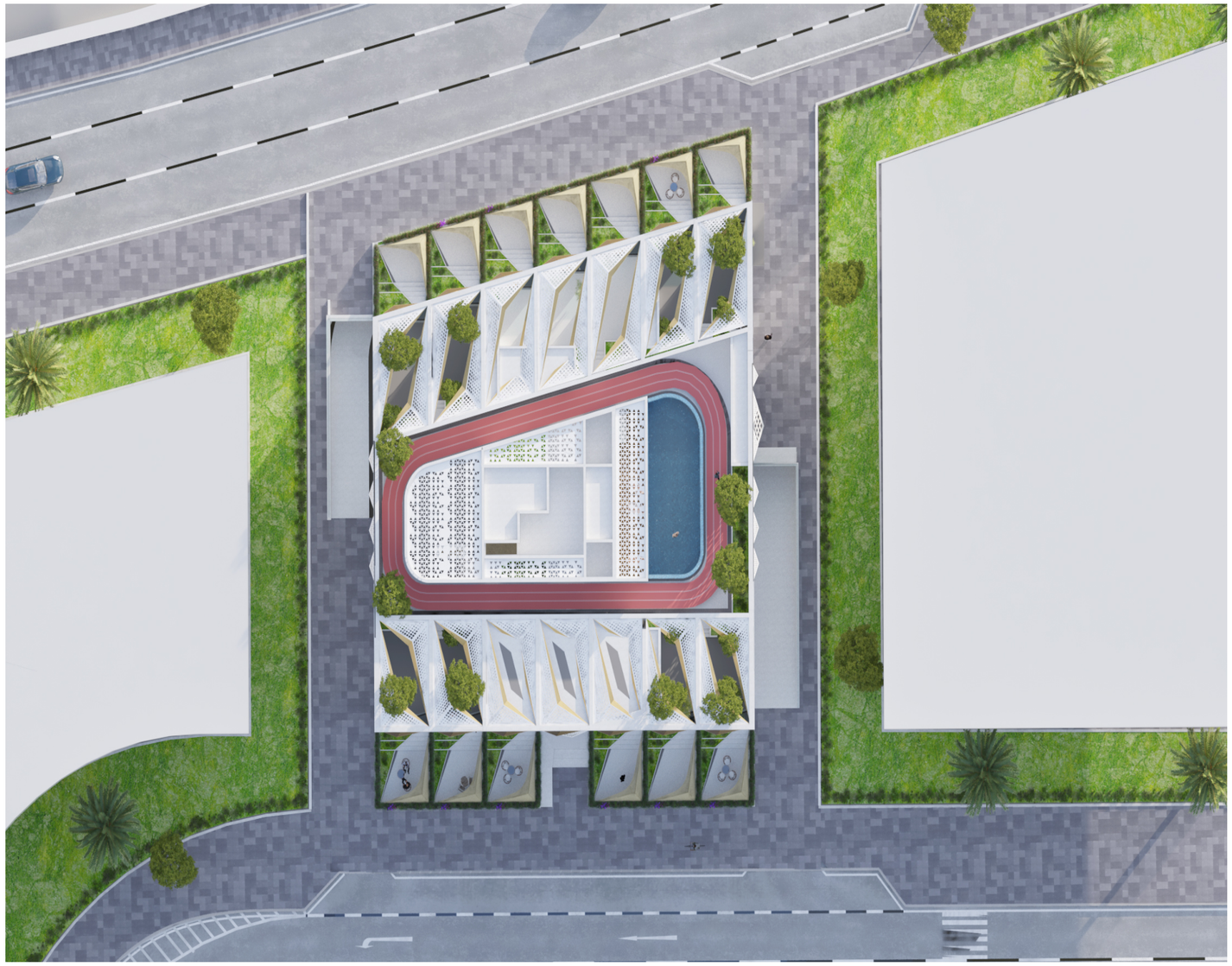
UMM QARN



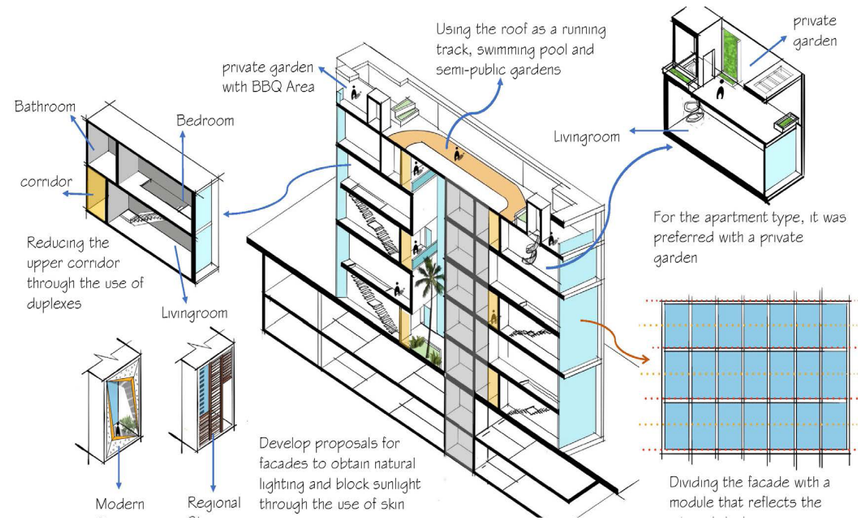
LOFT 01 FOXHILLS



UNIQUE RESIDENTIAL EXPERIENCE







LOFT 01 FOXHILLS

Location: Lusail City, Qatar.

Type : Loft building " Duplex "

24m Height Residential Building

Client: ALJADAWEL REAL ESTATE

Construction Budget : 42 M QR

Scope: Design From Concept to IFC (Architectural, Structural, MEP, Interior Design and Landscape.

BUA :7102 sqm (2 B, G+4 + Roof Garden.)





LOFT 01 FOXHILLS



QFC NEW HEAD QUARTER



UNIQUE WORK ENVIRONMENT SPACES







QFC NEW HEAD QUARTER

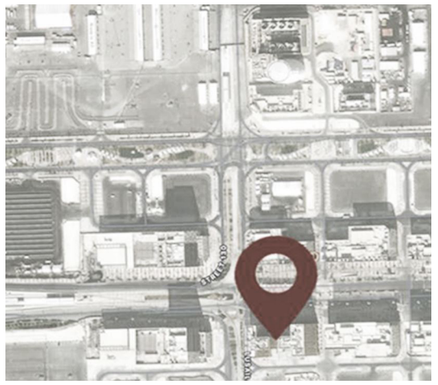
Location: Lusail, Qatar.

Type : Fit out

Client: Confidential

Construction Budget : 43 M QR

Scope: ID Concept Design (5760 sqm)



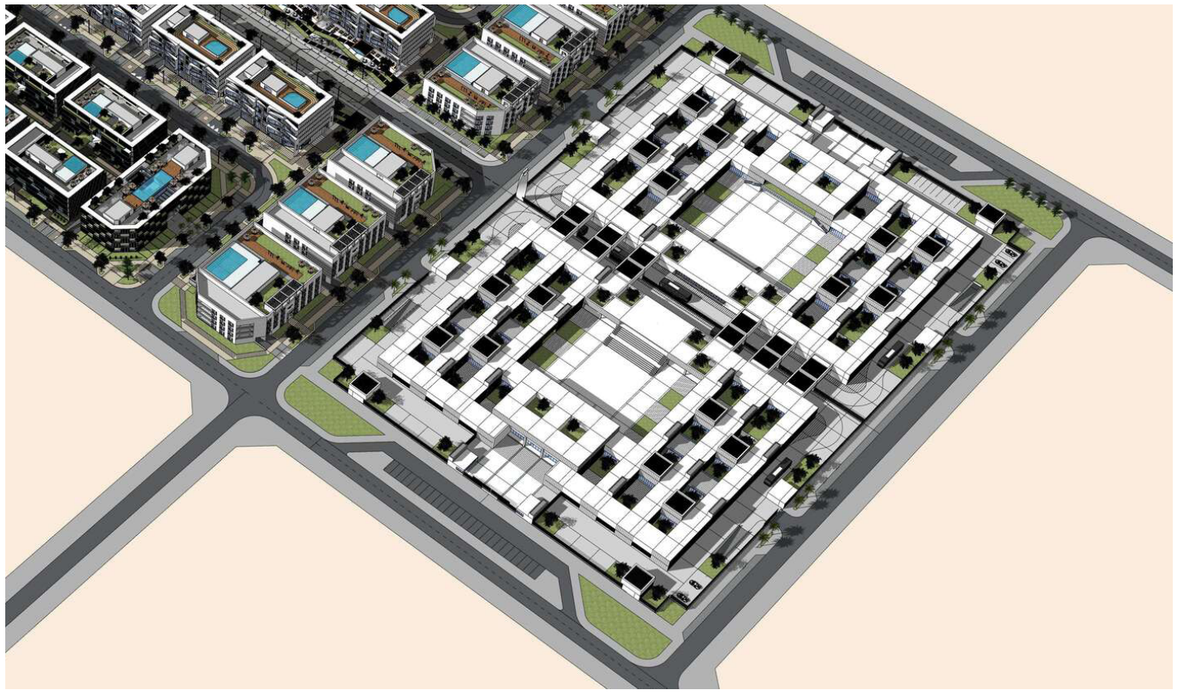


QFC NEW HEAD QUARTER





UMM QARN SCHOOLS



UNIQUE EDUCATIONAL EXPERIENCE







UMM QARN SCHOOLS

Location: Lusail, Qatar.

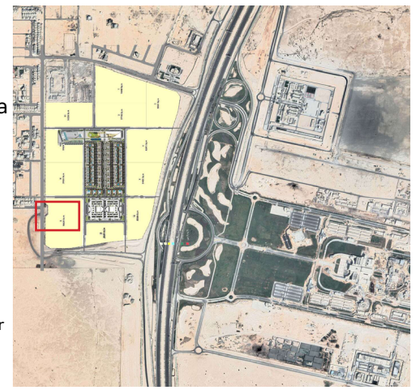
Type : Big 2 schools from kindergarten to High-school (1 for boys & 1 for girls) Plot area 17000 m2, BUA 20,400 m2, G+2

Client: Private

Construction Budget : 42 M QR

Scope: Design From Concept to IFC

(Architectural, Structural, Electrical, Mechanical, Interior Design and Landscape 2 B, G+4 + Roof Garden.



QETAIFAN PALACES



Modern Classic

VVIP luxury palace



QETAIFAN PALACES

Modern Classic

Location : Qetaifan Island, Doha, Qatar.

Type : Residential

Client : Qatari Diar/ Amiri Diwan

Construction Budget : 48 Mil $

Scope : Concept Design; Architecture,

Interior & Landscape,

BUA : 3703 sqm





QETAIFAN PALACES

Modern Classic



QETAIFAN PALACES

Modern Classic





QETAIFAN PALACES

Modern Classic

QETAIFAN PALACES



Cutting Edge Green Palace

Unique VVIP Luxury Experience







QETAIFAN PALACES

Cutting Edge Green Palace

Location : Qetaifan Island, Doha, Qatar.

Type : Residential

Client : Qatari Diar/ Amiri Diwan

Construction Budget : 48 Mil $

Scope : Concept Design; Architecture,

Interior & Landscape,

BUA : 3703 sqm





QETAIFAN PALACES

Cutting Edge Green Palace

Watch The Video here
https://tinyurl.com/The-Qetaifan-Palace







QETAIFAN PALACES

Cutting Edge Green Palace

AL SHAQAB ACCOMMODATION



A Community Accommodation Environment





AL SHAQAB ACCOMMODATION

Location : Old Rayyan Doha, Qatar.

Type : Dorms Accommodation & Services

Client : Private Engineering office

Construction Budget : 20 Mil $

Scope : Concept design,

BUA : 19081 sqm





AL SHAQAB ACCOMMODATION

Watch The Video here
https://tinyurl.com/Al-Shaqab

QSAA Expansion



Creating Arabian Oasis



QSAA Expansion

Location: Qatar Shooting & Archery Association, Al Dayen, Qatar.

Scope: Eco friendly Concept Design (Urban Planning/Design, Architecture, MEP and Lanscape,

Full Design Disciplines (Architecture, Structure, MEP, Interior & Landscape)

Client : Qatar Shooting Club

Construction Budget : 235 Mil QR





Qatar have one of the largest shooting ranges/fields in the world. Our client wanted to invest in the site to attract communities to this sport and much more. The concept was to create a Valley from artificial dunes with small river running which creates oasis in its journey. At each oasis either camp of prefabricated light weight huts/tents emerge, or the dunes creat a fieled for swimming pool or/and a filled of archery with horse back ridding. The location is quite with its sounds and lights to bring peace to who seeks it. And paths for pedestrians, bikes and horses going around in loops. The river have no chemicals only Bilogical sterilisation methods to allow natural wildlife at water, land and sky to co exist and interact with families and youth who are visiting or camping to connect the communities with thier ancestors and to our Islamic and Arabic rich heritage.

علمو أولادكم السباحة والرماية وركوب الخيل

عن عمر بن الخطاب رضي الله عنه

“Teach your children swimming, archery, and horseback riding.”

From Umar ibn al-Khattab (may Allah be pleased with him)

BOUTIQUE
BEACH HOTEL



Significant Hospitality Experience



BOUTIQUE
BEACH HOTEL

Location : Semeseme, North of Qatar.

Type : 4 Stars Beach Boutique Hotel

Client : Private Developer - Confidential

Construction Budget : 80 Mil QR

Scope : Concept to Detail Design Packages, Full Design Disciplines (Architecture, Structure, MEP, Interior and Landscape)

Extra : 100% BIM, Simulations

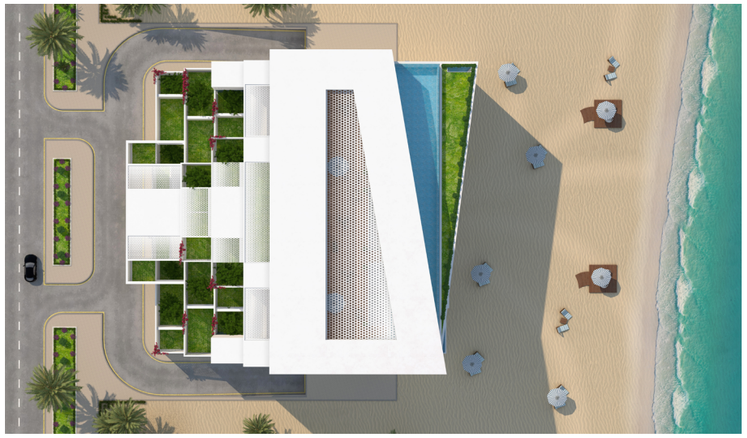


The aim was to design a unique hotel experience for Qatar societies. The people in Qatar hope for a special experience which considers their privacy and gives them relaxing and memorable experience. Therefore, we designed outdoor terrace private infinity swimming pools with Jacuzzi for each suite. The single rooms have balconies looks into the sea while maintaining the privacy of the private suite pools. The whole pool terraces and balconies are designed in separate structure from the rooms for easier pool maintenance







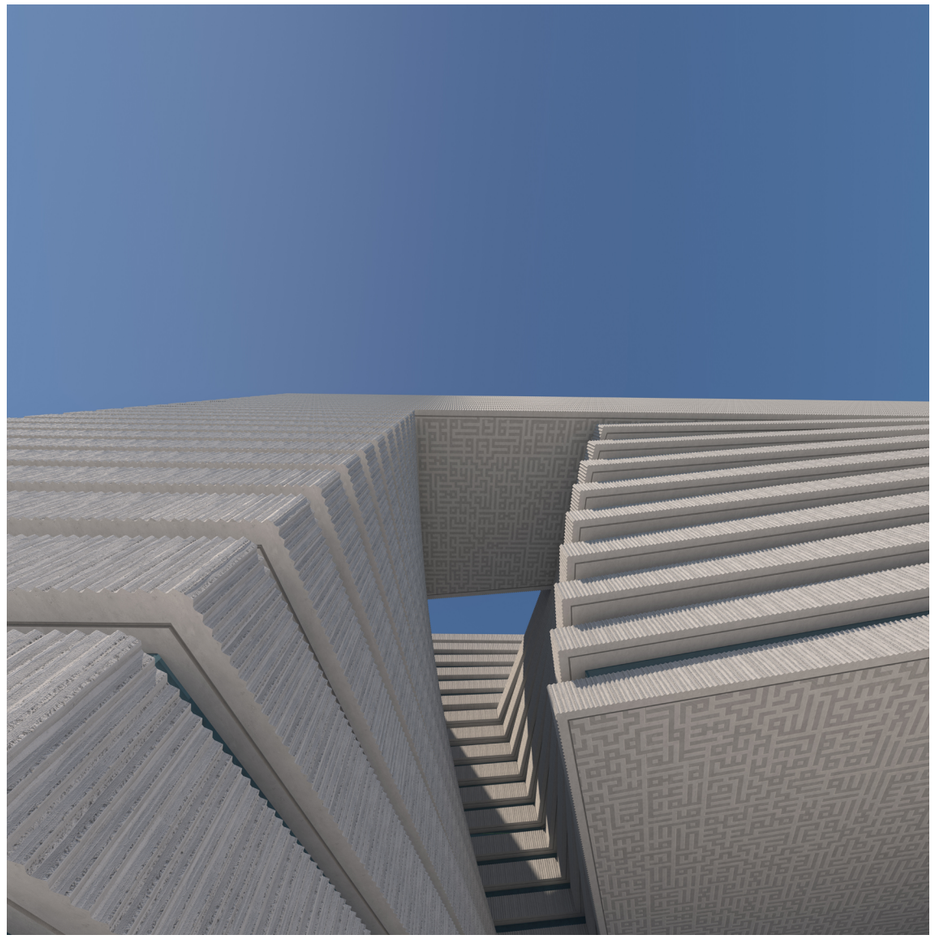


BOUTIQUE BEACH HOTEL

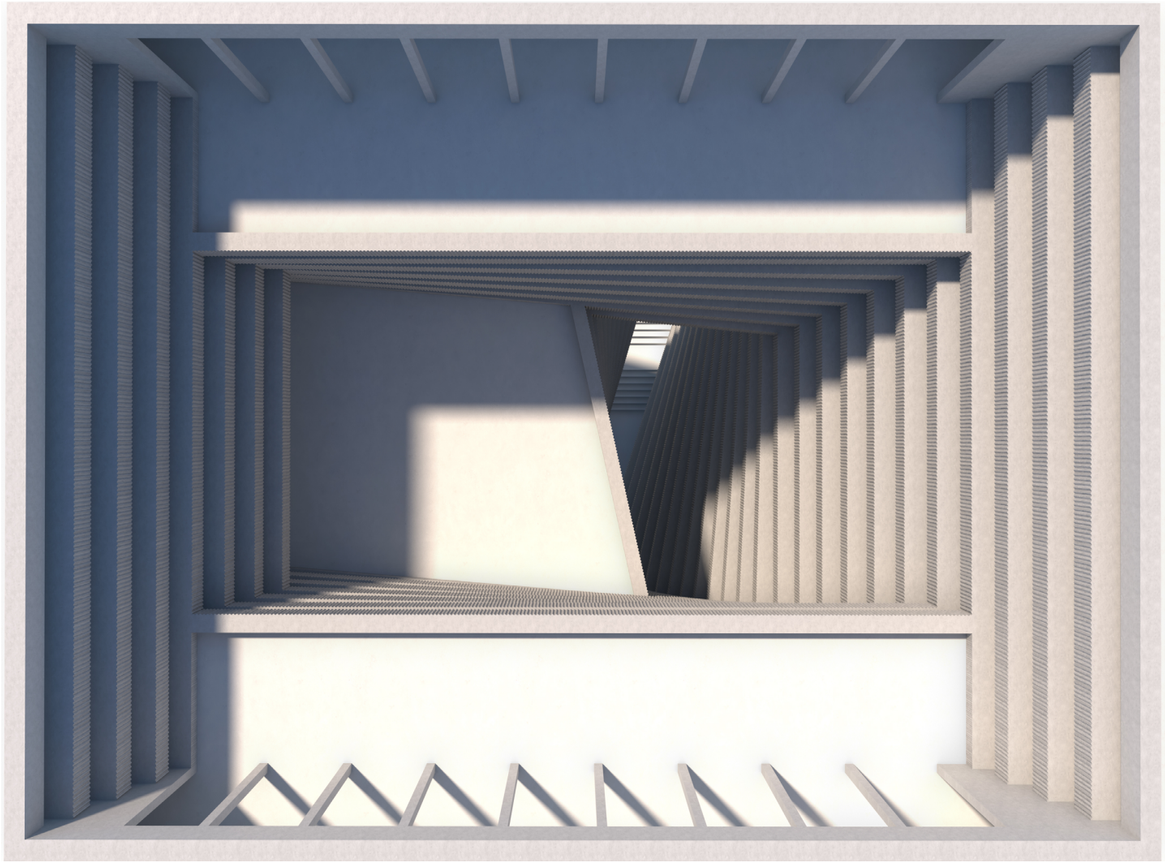
Watch The Video here
https://bit.ly/Boutique_Beach_Hotel

From the back side the hotel looks into a desert. So, we decided to create tropical private courtyard with Jacuzzi for each room as well. These courtyards are open to the sky but surrounded with off-white perforated panels which creates privacy and block unnecessary direct sun raise into the rooms. These courtyards and perforated walls have created a contemporary minimal appearance that will be remembered. As visitors enters the hotel lobby they will see the beach and sea immediately as nothing blocks their sight. The rich landscape, Restaurant and cafe and public infinity roof pool will be available for the day visitors as well as for hotel guests to have unforgettable, private and relaxing experience in northern Qatar.

ISLAMIC CENTER



Spiritual Sophisticated Notion





ISLAMIC CENTER

Location : Berlin, Germany.

Type : Religious

Client : INSAAN Association

Construction Budget : 21 Mil $

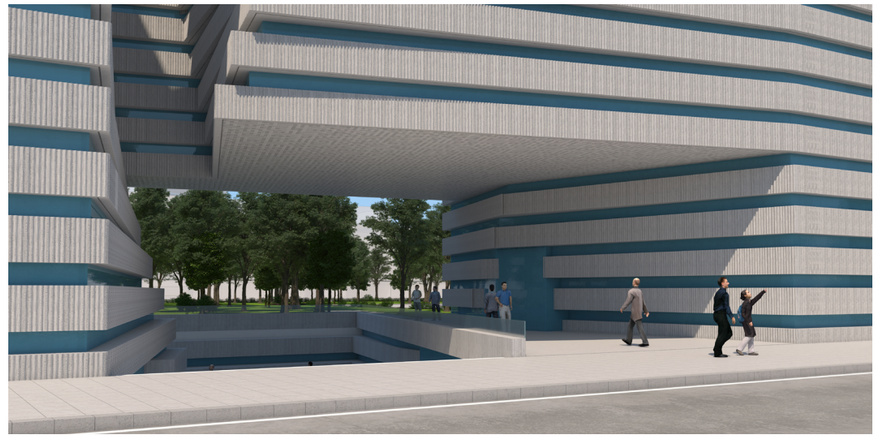
Scope : Concept design,

Listed as Finalist in WAN AWARD London









ISLAMIC CENTER

The Concept is based on the courtyard as main function space/element in the Islamic Architecture. The courtyard was the “spine” space for all the entities/ departments within the designed community center. Each department has its own courtyard. Nevertheless, the courtyards were vertically stacked to suite the multi stories structure form. Also, all these metaphoric “vertical courtyards” are rotating starting from the top to be aligned with street and existing neighboring buildings direction. where at the base it revolves around 20 degrees to align the Mosque space toward Mecca The revolving motion is keen in the Islamic culture as it can be seen in masses rotation around the KAABA as well as in the Whirling spiritual dance

As result, this building is an abstract representation of community center tracing the nearby context, but it looks up to its inspirational direction toward Mecca

H11-H20 FOXHILLS



Modern Residential Development





H11-H20 FOXHILLS

Location : Lusail City, Qatar.

Type : Residential

Client : AL JADAWEL REAL ESTATE

Construction Budget : 110 Mil QR for each

Scope : Design from Concept to IFC,

BUA:21,700 sqm (1 B, G+4+Roof Garden) for each









H11-H20 FOXHILLS

This residential building in Lusail, Qatar, presents a sophisticated yet functional vision of modern living. Its central courtyard brings natural light and improved acoustics to the corridors, enhancing comfort and spatial quality. The design values simplicity and efficiency through repetitive flat layouts, while terraces and windows create a staggered façade with visual depth and elegance. Refined materials and movable louvers enrich the architecture and promote sustainability through adaptable shading. The roof garden serves as a dynamic fifth elevation, featuring a running track, gym, and private terraces directly accessible from fifth-floor flats. Blending prestige with practicality, the design delivers a refined living experience with thoughtfully integrated outdoor spaces.

BOWLING CENTER



Modern Entertainment Hub



BOWLING CENTER

Location : Doha, Qatar.

Type : Sport & Entertainment

Client : Ministry of Sports and Youth

Construction Budget : 60 Mil QR

Scope : Concept Design

BUA: 11,735 sqm (1 Lower Ground , G+2)





BOWLING CENTER

The design of the bowling center emphasizes an interplay of open, functional spaces with a minimalist yet warm aesthetic, complemented by a high in industrial. The integration of natural elements, thoughtful spatial organization, and high-quality materials makes it a standout destination for both recreation and community gathering. Whether you're looking for a competitive game of bowling, a challenging workout, or a relaxing meal with friends, this center provides an inclusive and inviting space for all.

The project includes a spacious bowling hall, separate gyms for men and women—each overlooking the bowling lanes—and an open courtyard for food and dining. The design combines sport and leisure into a refined architectural experience.

RECONSTRUCTION OF GAZA



Rebuilding Through Partneship with Local Community



RECONSTRUCTION OF GAZA

تثبيت أهل غزة في أرضهم بطرق آمنة ولائقة وسريعة

Ensuring the safe, dignified, and rapid stabilization of

Gaza's residents in their homeland.

Location : Al Mourabiten Neighborhood, Gaza, Palestine.

Type : Residential

Client : Gaza Municipalirty

Construction Budget : 735 Mil QR

Scope : Concept to Detail Design Packages, Full Design Disciplines (Architecture, Structure, MEP, Interior and Landscape)

BUA: 210,000 sqm





A reconstruction proposal for a war-affected neighborhood in Gaza, offering two urban planning approaches based on strategies of reconstruction: one with separated buildings and the other with connected buildings. Both options aim to restore dignity through resilient, human-centered architecture that balances tradition, functionality, and modern needs. The design incorporates a Resilience Precast Unit System for durability and quick construction, solar energy use to promote sustainability, and stormwater collection systems to address water scarcity. Additionally, shelters are designed for all buildings to ensure safety, and home farming is integrated into the layout to encourage self-sufficiency and community resilience. The connected buildings option offers a more compact urban fabric, with attached residential blocks designed around shared courtyards and communal facilities. This model promotes social interaction, efficient infrastructure use, and a stronger sense of collective identity. It is well-suited for maximizing land use and creating walkable, vibrant neighborhoods that support community rebuilding and solidarity.



This project successfully aligns with 16 out of 17 United Nations Sustainable Development Goals

Decentralization of services and ensuring the needs of the population during wartime

- Generating electricity from solar energy (roof panels or cells in windows)
- Collecting stormwater
- Home farming



Protect civilians in wartimes

- Providing shelters for each building connected to the rest of the underground shelters.
- Water tanks are protected under the shelters
- Providing a minimum level of energy during wartime
- Planning the city streets in a way that makes difficulty for military vehicles to invade.



Humanizing the city

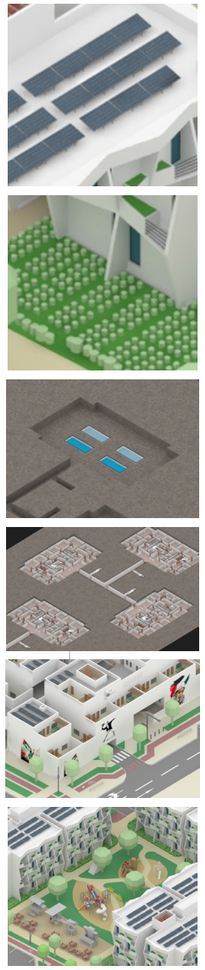
- Involving the local community in the city design and planning process (questionnaires, interviews, workshops).
- Urban service spaces (parks and children's play areas) between residential buildings.
- Pedestrian and bicycle corridors with designated bicycle parking spaces.
- Increasing the percentage of trees in non -vehicles corridors for shading and improving air quality and the aesthetic appearance of the city



Environmental sustainability within a single residential block

- Sorting solid waste in a designated place within the neighborhood.
- Grey water desalination plant to reuse it in watering crops.
- Using rubble and debris in environmentally friendly reconstruction methods.
- Generating gas from organic waste and using it in cooking.





Faster and safer way to build

- Modular building
- Prefabricated buildings
- Low-rise buildings
- Resistant and safer designs (safe room - facades...)



Enhancing Recovery and Development (social & economic)

- Using shelters during peacetime as locations for small commercial/service businesses.
- Allocating spaces within the residential neighborhood for small commercial activities (kiosks) and utilizing them by the local residents.
- Humanizing the city.
- Designating walls of new buildings as spaces for Graffiti to reflect the local community inspiration in Gaza.
- Involving representatives from the Gaza local community in design, reconstruction, and city management processes (providing job opportunities).

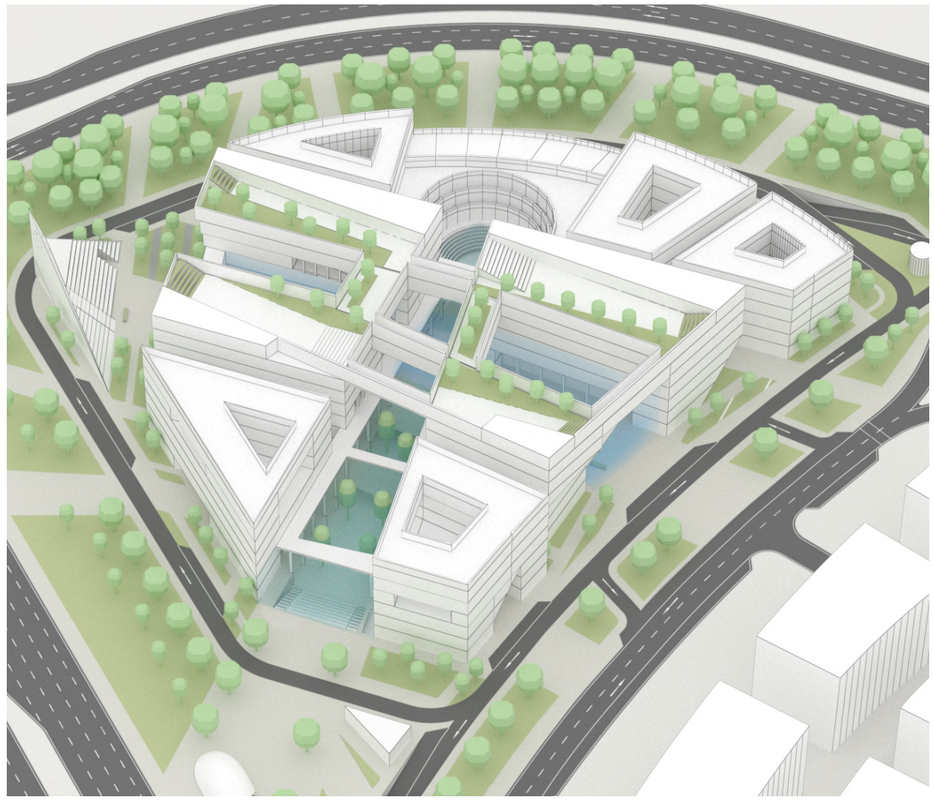


Preserving the historical and social fabrics

- Restoring buildings of historical value in cooperation with the relevant local and international authorities.
- Settling residents in their previous areas before the war and displacement.
- Using statistical data from Gaza City (land ownership and residential/commercial units) to take into account the reconstruction process fair compensation for ownership and future building rights for the remaining additional floors according to the existing building system in agreement between residents and municipalities.



LUSAIL UNIVERSITY



The art of mixed-use neighborhood





LUSAIL UNIVERSITY

The art of mixed-use development

Watch The Video here
https://bit.ly/LusailUniversity

Location : Lusail City, Qatar.

Type : Mixed Use Educational F&B Retails

Client : Barwa Real Estate & Operator Lusail

Construction Budget : 263 Mil QR





LUSAIL UNIVERSITY

The art of mixed-use development

Located in the sustainable Al Wasl area of Lusail, this mixed-use development forms a vibrant hub centered around Lusail University. The project combines a modern campus with air-conditioned retail and F&B spaces, ensuring comfort for residents and visitors. A main axis leads to an open arena & clock tower plaza, creating a distinctive public space connected to the metro on the south & the iconic Lusail Plaza Towers on the north.

Student housing, offices, and mixed-use buildings blend academic, social, and professional life within a walkable, climate-responsive setting. The amphitheater building serves as both an administrative hub and an event venue for graduations and outdoor activities. Underground parking and extensive landscaping enhance comfort and accessibility, while volume manipulation, shading, and green roofs promote sustainability.

Bridged connections and naturally ventilated spaces create a lively, energy-efficient environment that supports continuous activity—an integrated community for learning, work, and leisure.

BACCA

Architectural & Engineering Consultant from Qatar

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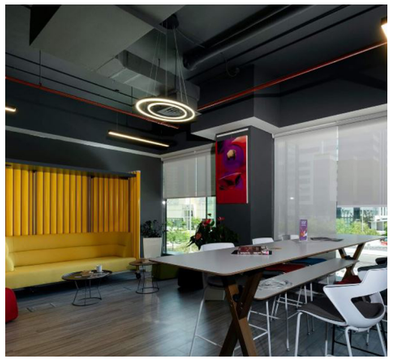
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We believe that we can participate in building Syria and the rest of our region with the hands and experiences of genuine & talented people.

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