

■ WE ACCEPT THE CHALLENGES



INNOVATIVE
SINCE 2007

ART MARK ENGINEERING CONSULTANT

—
EDITION
2023

DESIGN

Without

BORDER

www.amecdesign.com

EDITION 2023



INNOVATIVE
SINCE 2007

ارت مارك للاستشارات الهندسية
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Introduction to **AMEC**

AMEC is a multi-discipline MEP Design, supervision, engineering management, planning, and construction management company.

Our mission is to provide professional services to our clients through excellence and innovation.

AMEC Key Expertise

AMEC Finalized more than 50 project with the satisfaction of our client.



TOWERS



HIGH RISE
BUILDING



PALACE



ADMIN
BUILDING



VILLA



RESIDENTIAL
BUILDING

ABOUT US

AMEC Established in 2007 Cairo, Egypt and new branch 2017 in Al Bahrain, our company has more than 25 dedicated professionals and support staff with offices nationwide and overseas.



AMEC designs & Management under Green building and GSAS Concept. **AMEC** have experience in infrastructure work , Electric power stations works Water industrial works and Microwave and signals with partnership with Hertz lab in Germany.

“ WE ACCEPT THE CHALLENGES ”

Our VISION



We see that the engineering market in the coming period will be strong with a high efficiency through the concerted efforts of all engineers to share practical engineering experiences.



We will remain the unique through engineering training courses that have a highly efficient training strategy for engineers.

AMEC

HAVE A LOT OF

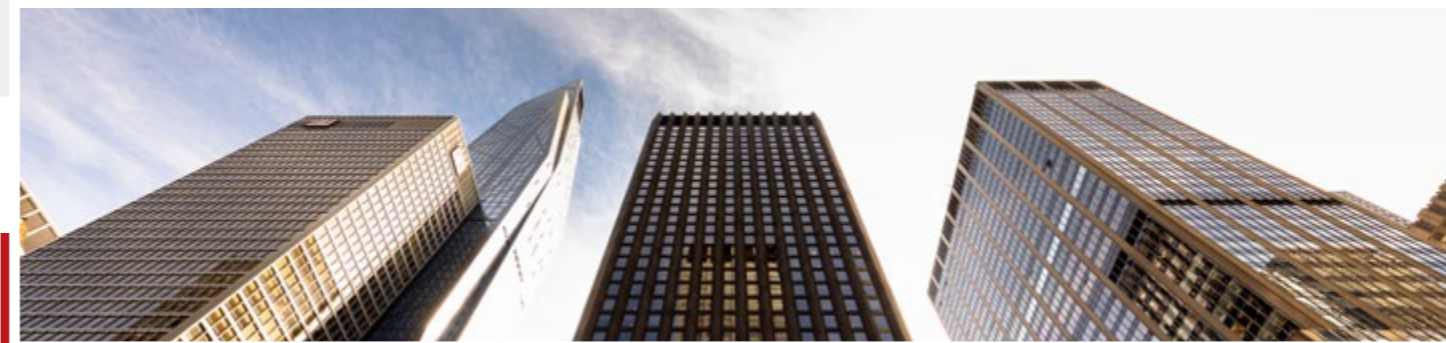
ACHIEVEMENTS EVERY YEAR



Our MISSION



Our mission Transfer the practical experience gained in the field of engineering work within the sites and projects by the specialized engineers to all the engineers who didn't have the opportunity to learn practically in the field of engineering works.



Support undergraduate and postgraduate students through many professional engineering programs to help them complete their scientific mission to pursue their work to achieve more practical and professional competence in the work within the engineering market. Share of technical engineering expertise among engineers within the Engineering market to raise the efficiency of the market.

AMEC CORE VALUES

- ✓ Belief in the virtues of integrity, hard work, and loyalty
- ✓ Relentless in the pursuit of quality and excellence
- ✓ Honor our promises and contracts
- ✓ Belief in open, honest, and respectful communications
- ✓ Actively support our professions
- ✓ Personally invest in our communities



PROFESSIONAL SERVICES

“ AMEC provides clients with a broad spectrum of professional services. We offer the expertise to address the most complex challenges, and we pride ourselves on our ability to work collaboratively with clients to reach effective solutions.

Diverse Resources for Comprehensive Service

AMEC portfolio encompasses a wide range of projects for clients. In addition to our technical diversity, we offer ALL MEP works with the ELV work in construction building and infrastructure and support capabilities that rival those of many large Architectural consultant.



AMEC' vast in-house resources allow us to maintain strong project control, assist with planning and sound decision-making, and develop creative solutions.

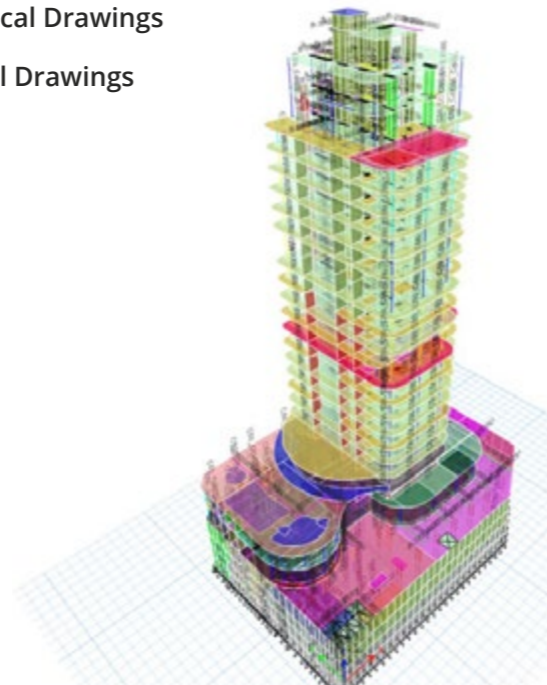
AMEC DESIGN & BUILD PERMIT

AMEC will make Review for the full design development for an updated Architectural design and final detailed design as well as structural and MEP design to be submitted to AMEC to get an initial approval for DC1 stage before submitting to municipality by the below disciplines of submission:

- ☑ DC1 Design Approval
- ☑ Drawings for DC2 Approvals
- ☑ License of the New Building
- ☑ Life Safety Drawings
- ☑ Initial Electrical Drawings
- ☑ Architectural Drawings

DETAILED Scope of Works

1. Design works
2. Consultancy work – Approvals and License
3. Shop Drawing Works
4. Facade Lighting – Works
5. Technical office Work (Calculation – Solutions)



AMEC THIRD PARTY

THIRD PARTY Construction is Engineering Services support independent of the Original Design. With 10+ years' experience as a single point of contact with multi-brand expertise to enhance your data center's performance, while cutting maintenance costs across server, storage and networking equipment. help to make Value Engineering to help client to reduce the project Cost



Our mission is a green digital world in which you can make the most of your construction value across its life-cycle, helping you drive your core business and protect the environment.

DESIGN VERIFICATION	TECHNICAL OFFICE WORK
AUTHORITY APPROVAL	COMPLETION CERTIFICATE
STRUCTURE CALCULATION	ENGINEERING CALCULATION
THIRD PARTY CERTIFICATE	

AMEC SUPERVISION SERVICE

AMEC Construction coordinates and manages Projects during their whole life-cycle. Since its establishment, AMEC Construction has executed a number of Construction projects in Qatar.



“ Construction, we understand that every construction project has unique needs. That’s why we offer customized solutions to meet the specific requirements of our clients whether it’s a technological challenge, budget constraints, tight deadlines or organizational issues, our experienced management team is able to find the best solution for every situation.

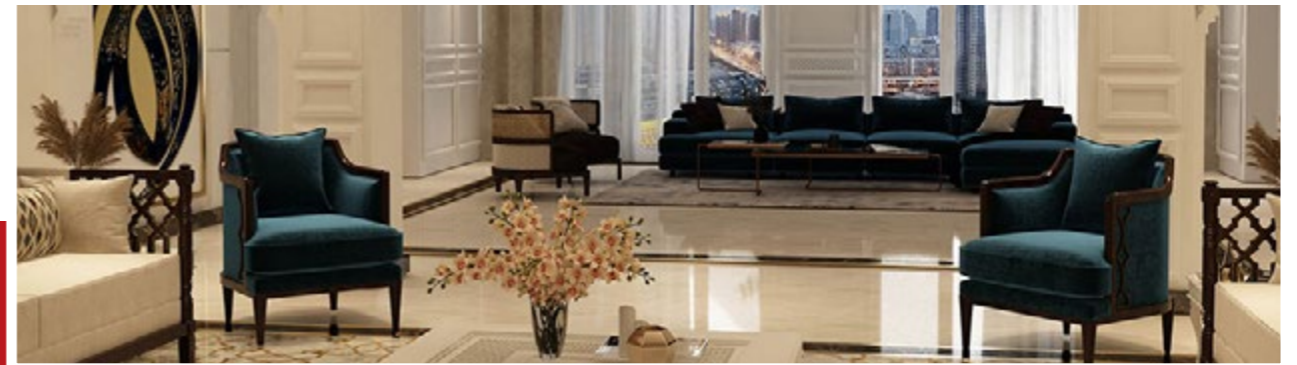
We have a team of highly skilled, professional, and motivated Project Managers who are able to meet all obligations, maintain the requested quality level, adhere to the client’s deadlines, stay within the approved budget, and achieve goals for environmental sustainability and energy performance.

Our Construction Engineers specialize in providing project management support for both new construction projects and the modernization of existing operations. They assist our clients in every step of the process.

AMEC INTERIOR DESIGN

AMEC Interior Design Provides

1. Advice on the interior layout of a space/building and proposing reconfiguration.
2. Generation of 2D or 3D interior design plans, drawings, mood boards and project visualizations.
3. Curation of a considered selection of Furniture, Fixtures and Fittings (FF&E) required for implementation and procurement.
4. Supplying projected timelines and product schedules to coordinate trades, purchase orders and deliveries.
5. Being the point of contact for construction contractors on site, as well as consulting with engineers, architects and trade specialists.



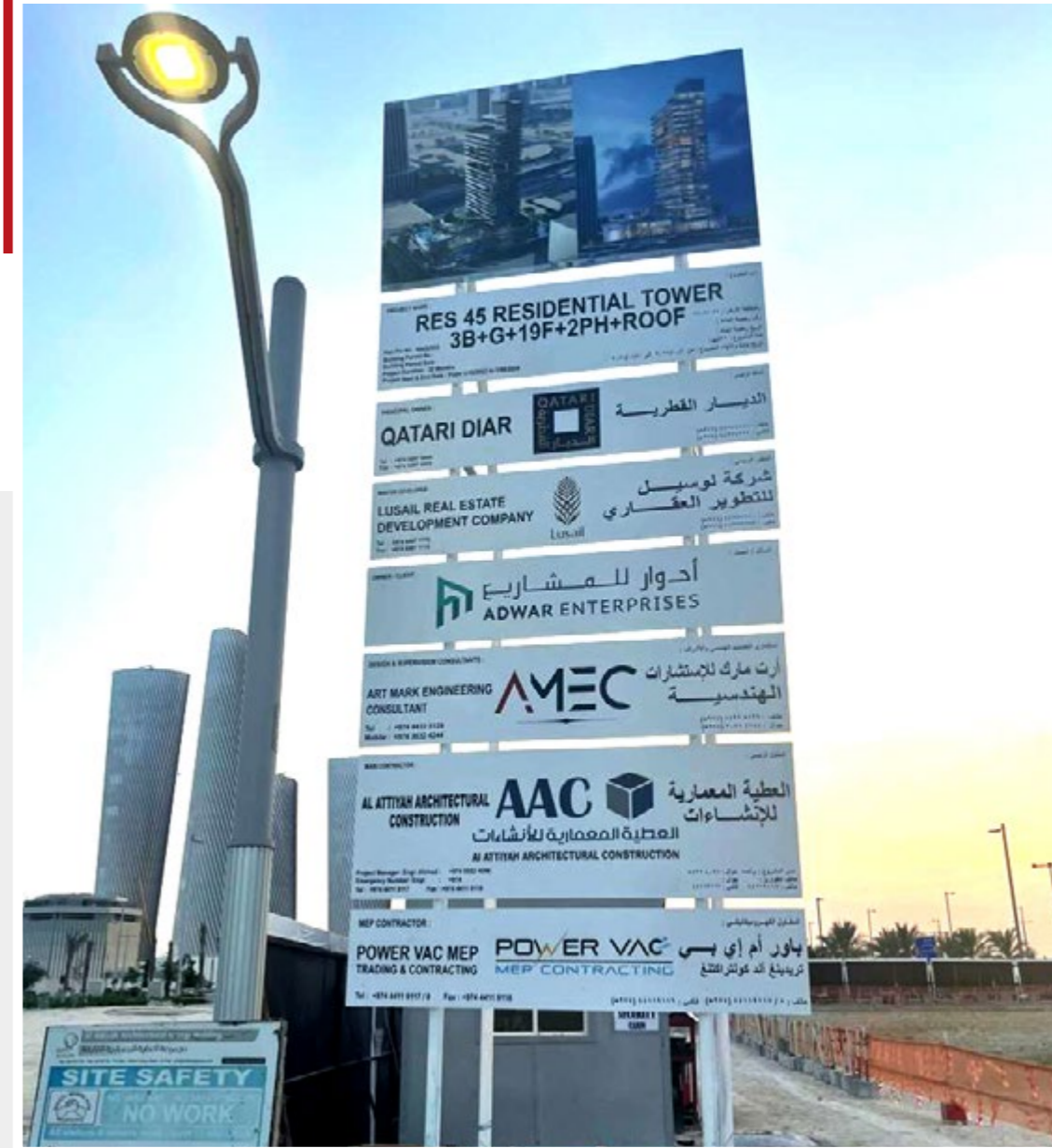
AMEC
PROJECTS



PROJECT LIST				
S	PROJECT NAME	SCOPE OF WORK	CONSULTANT	YEAR
1	MARKYA COMPLEX	FULL DESIGN - MODIFICATION LICENSE	EBH	2018
2	OFFICE BUILDING D RING	MEP - CIVIL DEFENSE DESIGN	DARAC	2017
3	BERKET ALAWAMER STORE	FULL DESIGN	DARAC	2017
4	LOYDANCE SCHOOL	FULL DESIGN	DARAC	2019
5	KHALF SON STORE FACTORY ELECTRICAL ST 37	FULL DESIGN - MODIFICATION LICENSE	EBH	2019
6	ADDITION ANCYALYS TO EXSISTING VILLA RASHED ALKUBISI	FULL DESIGN - MODIFICATION LICENSE	DARAC	2017
7	DINE SMART KITCHEN SHOP	FULL DESIGN	DARAC	2018
8	WUKAIR FARM	ELECTRIC MODIFICATION	DARAC	2016
9	COMPLEX 8 VILLAS	ELECTRIC - CIVIL DEFENSE - MODIFICATIONS	DARAC	2016
10	STREET 38 FACTORY	ELECTRICAL , SAFTEY FA	DARAC	2018
11	SH. NOURA RESEDINTIAL APARTMENT	MEP - CIVIL DEFENSE DESIGN	CLE MILLET INT	2016
12	27 VILLAS AL WAKRA	MEP DESIGN	DARAC	2017
13	FIT OUT OFFICE 01 LUG	MAINTENANCE LICENSE	EBH	2018
14	FIT OUT OFFICE 02 UNIQE	MAINTENANCE LICENSE	EBH	2018
15	SKHIKA MASHAEL VILLA	STRUCTURE - TECHNICAL OFFICE	UNIQUE	2018
16	IMALCO DRAWINGS FULL	MODIFICATION LICENSE	TYARRAT	2019
17	VILLA MOHAMED ABDELLAH	MEP DESIGN MODIFICATION	DARAC	2017
18	WOOD WIND SAFTY AND ELECTRICAL	MEP - CIVIL DEFENSE DESIGN MODIFICATION	FBR	2019
19	VILLA RASHED	DESIGN	DARAC	2018
20	6 AM SPRESSO CAFÉ	MEP - CIVIL DEFENSE DESIGN	DARAC	2018
21	SUBSTATION AND ELE ROOM	STRUCTURE - TECHNICAL OFFICE	TYARRAT	2015
22	SHADOW Shop FIT OUT	MAINTENANCE LICENSE	EBH	2018
23	HELIOPOLIC BUILDING	FULL DESIGN	AMEC	2019
24	10 VILLA SAMPLE WAKRA	MEP - STRUCTURE DESIGN	FBR	2019
25	LIGHTING BASE	STRUCTURE DESIGN FOR BASE AND REVISION	EBH	2018
26	FLEURST ET CAFÉ' PEARL	MEP - CIVIL DEFENSE DESIGN	CLE MILLET INT	2016
27	GYM CLUB PEARL	MEP - CIVIL DEFENSE DESIGN	CLE MILLET INT	2016
28	TWIN VILLA GEROGIA BRANCH	FULL DESIGN	YORK TOWERS	2018
29	SINGLE VILLA GEROGIA BRANCH	FULL DESIGN	YORK TOWERS	2018

PROJECT LIST				
S	PROJECT NAME	SCOPE OF WORK	CONSULTANT	YEAR
30	MESHAAL PALACE	AC DESIGN - MEP MODIFICATION	TYARRAT	2015
31	MANATEQ COMMERCIAL 2000	MEP - CIVIL DEFENSE DESIGN MODIFICATION	DARAC	2017
32	MANATEQ COMMERCIAL 1000	MEP - CIVIL DEFENSE DESIGN MODIFICATION	DARAC	2017
33	MANATEQ COMMERCIAL 5000	MEP - CIVIL DEFENSE DESIGN MODIFICATION	DARAC	2017
34	MANATEQ RESIDENTIAL 2000	MEP - CIVIL DEFENSE DESIGN MODIFICATION	DARAC	2017
35	MANATEQ RESIDENTIAL 1000	MEP - CIVIL DEFENSE DESIGN MODIFICATION	DARAC	2017
36	MANATEQ RESIDENTIAL 5000	MEP - CIVIL DEFENSE DESIGN MODIFICATION	DARAC	2017
37	MANATEQ RESIDENTIAL 1800	MEP - CIVIL DEFENSE DESIGN MODIFICATION	DARAC	2017
38	S. ALI NAJMA BUILDING	Hydraulic Calculation & SHOP-DRAWING - TECHNICAL OFFICE	CLE MILLET INT	2015
39	FLEURST ET CAFÉ' KITCHEN PEARL	MEP - CIVIL DEFENSE DESIGN	CLE MILLET INT	2017
40	CRYSTAL SHOP PEARL	FULL DESIGN	DARAC	2018
41	THAMER AL BADI COMPOUND	MEP - CIVIL DEFENSE DESIGN	CLE MILLET INT	2015
42	SH. ABDULAZIZ BUILDING	MEP - CIVIL DEFENSE DESIGN	CLE MILLET INT	2015
43	ARCADO SHOP PEARL	FULL DESIGN	DARAC	2017
44	QATAR RACING CLUB	MEP - CIVIL DEFENSE DESIGN MODIFICATION- AS-BUILT	CLE MILLET INT	2015
45	ALJABER OPTICS MUSHIRAB	FULL DESIGN - MAINTENANCE LICENSE	EBH	2018
46	EPHORIA SHOP EZDAN MALL	FULL DESIGN - MAINTENANCE LICENSE	EBH	2019
47	EDISSON SCHOOL LUSIAL	SHOP-DRAWING - TECHNICAL OFFICE	PRIVET	2019
48	AST FACTORY INDUSTRIAL MALL	FULL DESIGN - MODIFICATION LICENSE	EBH	2019
49	IMALCO SHOP INDUSTRIAL SHOP	FULL DESIGN - MODIFICATION LICENSE	EBH	2019
50	McDonald SHOP EZDAN MALL	MEP DESIGN	Q-ARGONAUT	2016
51	Dipndip SHOP QATAR MALL	MEP DESIGN	Q-ARGONAUT	2016
52	SH. ALI COMMERCIAL/RESIDENTIAL BUILDING	MEP REDESIGN -TECHNICAL OFFICE	CLE MILLET INT	2016
53	SH. ALI FARM PROPOSED MAIN MAJLIS + VILLAS+ MAJLIS	MEP DESIGN	CLE MILLET INT	2016
54	4 VILLAS ALGHARAF	AC DESIGN	CONCEPT	2017
55	GINA SHOES SHOP - QATAR MALL	FULL DESIGN - MAINTENANCE LICENSE	DARAC	2017
56	CITY GATE HOTEL	CIVIL DEFENSE REDESIGN	CLE MILLET INT	2015
57	ALKHIYAMI REAL STATE COMPOUND	MEP - CIVIL DEFENSE DESIGN MODIFICATION- AS-BUILT	CLE MILLET INT	2015
58	PROPOSED PALACE EXTERNAL AMENITIES	MEP DESIGN MODIFICATION	CLE MILLET INT	2015

PROJECT LIST				
S	PROJECT NAME	SCOPE OF WORK	CONSULTANT	YEAR
59	BIN MAHMOUD RESIDENTIAL BUILDING	CIVIL DEFENSE MODIFICATION	DARAC	2017
60	ELMAAMORA CAR WASHING HOUSE	DESIGN REVIEW & APPROVAL	DARAC	2017
61	MOVABLE CARAVAN 2	FULL DESIGN	DARAC	2018
62	PROPOSED LABOUR ACCOMMODATION	CIVIL DEFENSE DESIGN	NOOJOM	2018
63	ALKHOR LABOUR CAMP	FULL DESIGN	FRENCH TURKISH	2016
64	Carpentry Factory ALKHORE	STRUCTURE DESIGN	PRIVET	2019
65	PAPA JOHNS - QATAR MALL	MEP - CIVIL DEFENSE DESIGN	QM MANAGEMENT	2020
66	PAPA JOHNS - EZDAN MALL WAKRA	MEP - CIVIL DEFENSE DESIGN	ALKASHAF	2020
67	PIZZA DOMINOS - Q MALL	MEP - CIVIL DEFENSE DESIGN	ALKASHAF	2020
68	7 LOUNGE - PEARL	MEP - CIVIL DEFENSE DESIGN	BAZAAR ISTNBUL	2020
69	WALTAR - PEARL	MEP - CIVIL DEFENSE DESIGN	BAZAAR ISTNBUL	2020
70	BUSINESS CENTER - PEARL	FULL DESIGN	BAZAAR ISTNBUL	2020
71	SALL COLLECTION - PEARL	MEP - CIVIL DEFENSE DESIGN MODIFICATION	BAZAAR ISTNBUL	2020
72	TBI MANEGEMENT OFFICE	MEP - CIVIL DEFENSE DESIGN MODIFICATION	BAZAAR ISTNBUL	2020
73	ROSE SWEET	MEP - CIVIL DEFENSE DESIGN MODIFICATION	UNIQUE	2020
74	Mavi Bonjuk	MEP - CIVIL DEFENSE DESIGN MODIFICATION	UNIQUE	2020
75	Waterfront O45 tower	Full design	Adwar interruption	2021
76	Marina Mix 4 tower	Modification License	SH. KH. AL TH	2022
77	7 Store Alhuda	Full design	Q TTC	2021-2022
78	974 Building	Full Design		2023



2021
WAVI TOWER



SCOPE OF WORK
Design & Supervision

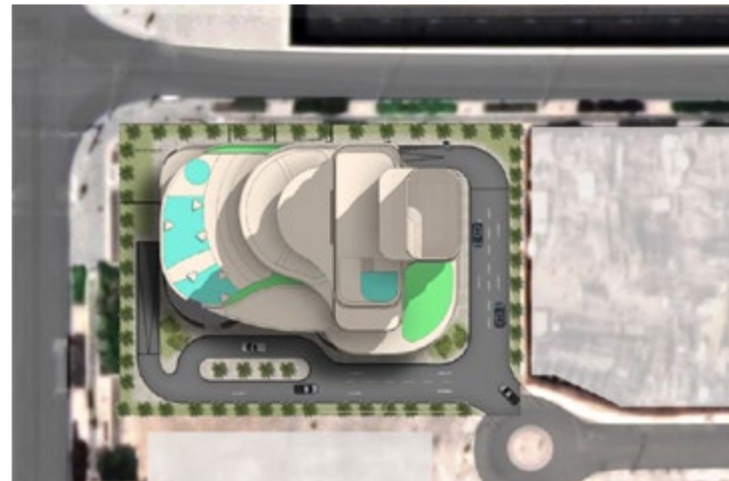
WAVI TOWER - DESIGN & SUPERVISION

REGULATIONS			
LAND USE	Residential	FAR	400% (Maximum)
COVERED AREA RATIO (CA)	50% (Maximum for habitable buildings)		
SETBACKS	NOTE [Setback lines and dimensions on parcel plan above]		
MAXIMUM BUILDING TOTAL HEIGHT			
PARKING PODIUM	Maximum above grade: 5 meters		
LOW-RISE	Maximum 3 story and/or total height 14 meters		
MID-RISE	Maximum 13 story and/or total height 48 meters		
HIGH-RISE	Maximum 20 story and/or total height 78 meters		
PENTHOUSE	Maximum 2 story and maximum height 10 meters above the highest roof level of high-rise or mid-rise floor (Penthouse not allowed above low-rise)		
MECHANICAL BULKHEAD	Maximum height 8 meters total above the roof level of the highest occupied floor		
FLOOR PLATE AREA			
Towers Minimum : 800 m ²	Maximum : 800 m ²	Maximum Dwelling units (DU) : 94 DU	
CAR PARK			
<ul style="list-style-type: none"> ▶ Parking permitted below-grade and one parking level permitted above-grade. Minimum parking spaces required ▶ Residential/Hotel - One space per 85 m² gross building area ▶ Commercial - One space per 45 m² gross building area 			
LANDSCAPE			
<ul style="list-style-type: none"> ▶ Landscape required in all setback zones and on roof of parking podium, except for vehicle access driveways, pedestrian walkways and shading devices 			

WAVI TOWER

Scope of works

- Architectural
- Structure
- BIM Management
- Extra low voltage
- Civil Defence
- Interior
- Electrical
- 3D Model
- Mechanical
- Land Spacing



WAVI TOWER

Scope of works

The media facade that will clad the organically shaped mass at the top of the building. The facade will not only provide a visual spectacle but will also serve as a "city canvas" that displays relevant pictures and messages for all passers-by, thereby becoming a new landmark for the city.



MEDIA FACADE

WAVI TOWER

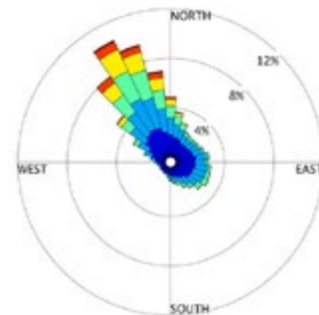
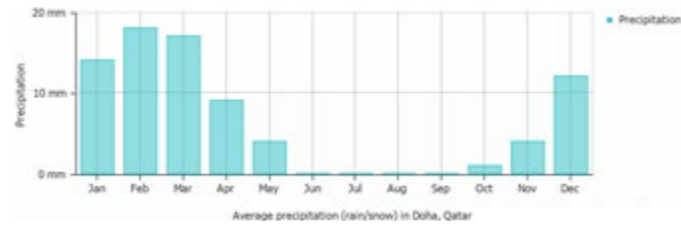
Site Analysis

Doha, Qatar has a hot desert climate. Summers are very long, from may to September, when the average high temperature surpasses 38C and often approaches 47C. Humidity is usually the least in May and June.

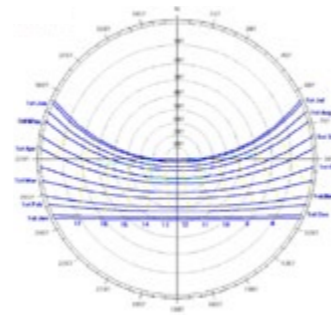
Throughout the summer, the city averages almost no precipitation and less than 20mm during other months. Rainfall is scarce, is a total 75mm per year, falling on isolated days mostly between October to March.



Wavi Tower Location



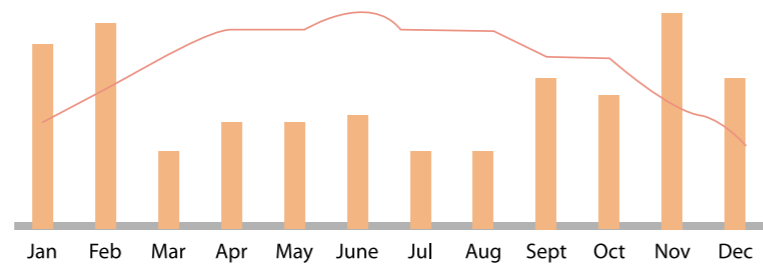
Wind Frequency



Annual Sun Path

The wind blows most often from Northwest (21% of the time), North (19% of the time), and East (11% of the time). The wind comes least often from south (13% of the time) and Southwest (14% of the time).

The percentage of time spent with the wind blowing from various directions over the entire year do not up to 100% because the wind direction is undefined when the wind speed is Zero.



Solar Radiation - Direct Normal & Diffuse

WAVI TOWER

Site Analysis

MAXIMIZE VIEW

The view in the room is just as important as that of the first impression. Accordingly, From almost every room.

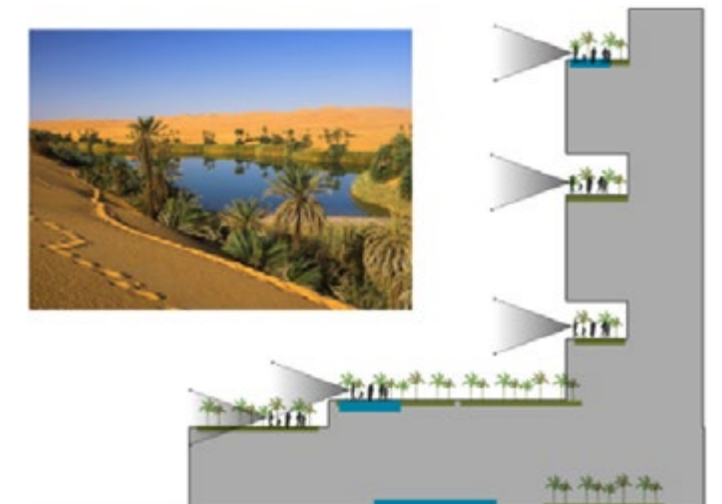
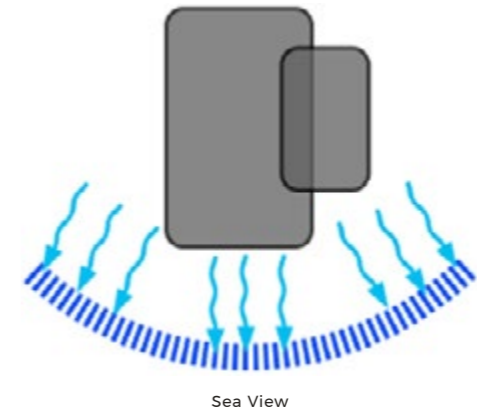
They can enjoy the nights cape of the new town across the ocean at night and the beautiful Doha bay from the morning balcony. This will ensure a truly unforgettable memory.

FLOATING OASIS / SKY GARDEN

The floating Oasis/Sky garden above the building will catch the public's eye as it stands amongst the built up urban skyline of the surrounding city forms.

It will be a landmark image to the tourist, creating a long lasting and unforgettable impression through its outstanding appearance.

The tenant will have a view to the mix garden with sea view and give them unforgettable experience.



WAVI TOWER

Scope of works



WAVI TOWER

Scope of works



FLOOR PLANS



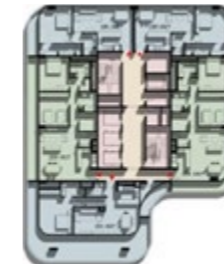
1st Floor



2nd Floor



Typical Floor



9TH & 10TH Floors



13TH Floor



FLOOR PLANS



FLOOR PLANS



21th Floor Plan (2nd Penthouse)



20 Floor Plan (1st Penthouse)



Basement 03



Basement 01



Ground Floor

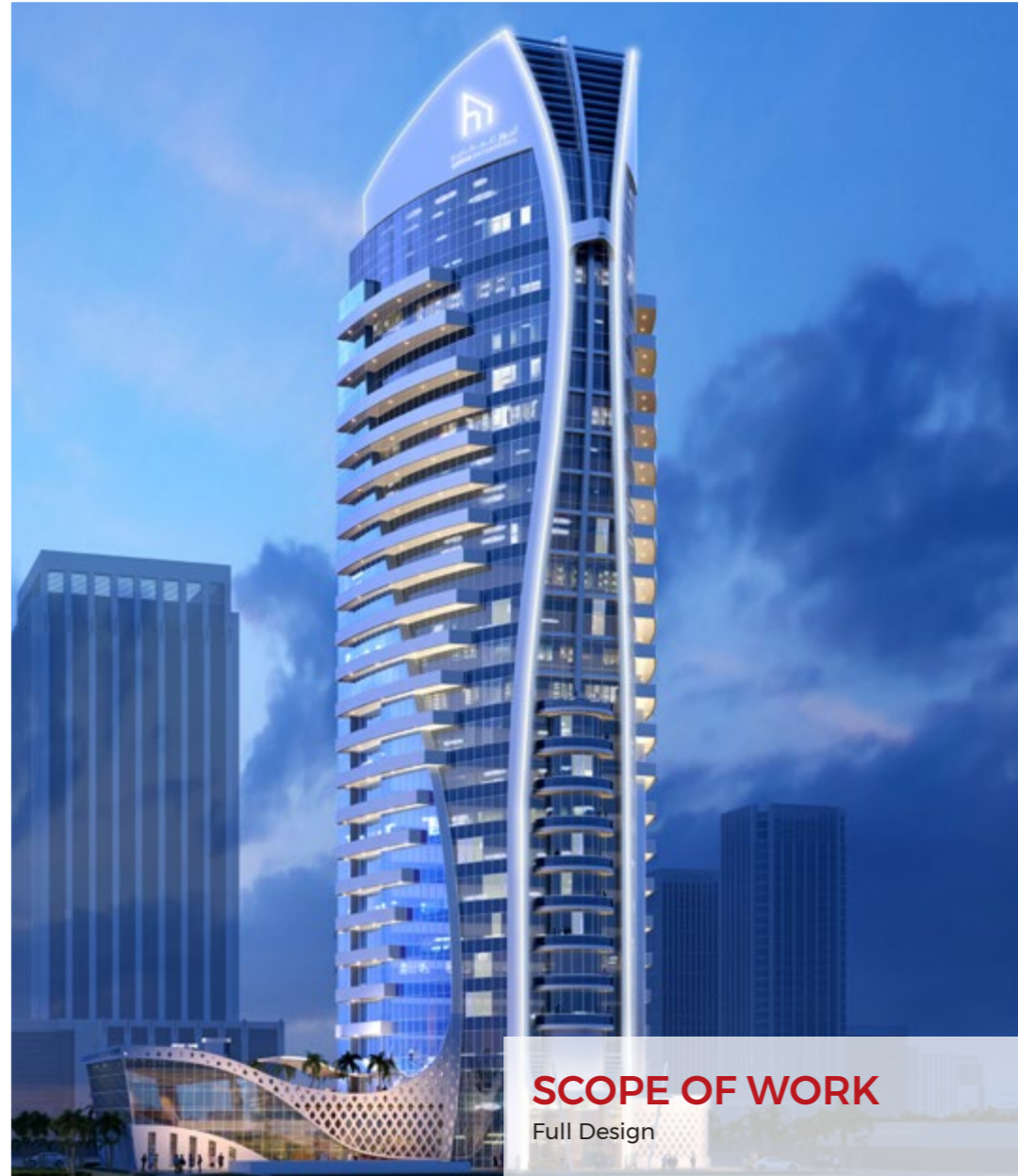


Basement 02

2021 WAVI TOWER



2021 FALCON TOWER



SCOPE OF WORK

Full Design

FALCON TOWER - FULL DESIGN

RESIDENTIAL			
Floors	Floor Plate Area	Deductible / Services	Far
Ground Floor	1800	330	1470
1st Floor	1750	600	1150
2nd Floor	1200	250	950
3rd Floor	836	155	681
4th Floor	836	155	681
5th Floor	836	155	681
6th Floor	836	155	681
7th Floor	836	155	681
8th Floor	836	155	681
9th Floor	750	155	604
10th Floor	750	155	604
11th Floor	836	155	681
12th Floor	836	155	681
13th Floor	630	155	445
14th Floor	630	155	445
15th Floor	836	155	681
16th Floor	836	155	681
17th Floor	820	155	645
18th Floor	836	155	681
19th Floor	836	155	550
Penthouse O1	546	155	353
Penthouse O2	546	155	353
TOTAL	19185	4125	15060

SHOWROOM AREA	250
OFFICES AREA	750

Plot Area	3.765	m2
	Required	Provided
Max. Covered Area 50%	1800	330
Far - 400%	1750	600
Total Built Up Area (G+25)	1200	250
Total Built Up Area (2B+G+25)	836	155

Description	Total Gross Area	Car Parking
1st Basement	2820	36
2nd Basement	2820	45
3rd Basement	2820	52
Total Provided	8460	133
TOTAL CAR REQUIRED AS POLICY		133



FALCON TOWER

Scope of works

- Shop drawing
- As-built Drawing
- Calculations
- Simulations
- Material Selection
- BOQ
- SPECS.
- Tendering Costing
- Engineering Solutions
- Vendor list evaluation
- Method Statement
- Engineering Reports
- Exterior Design
- 3D Model
- BIM Management



FALCON TOWER

Scope of works

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MEDIA FACADE



FALCON TOWER

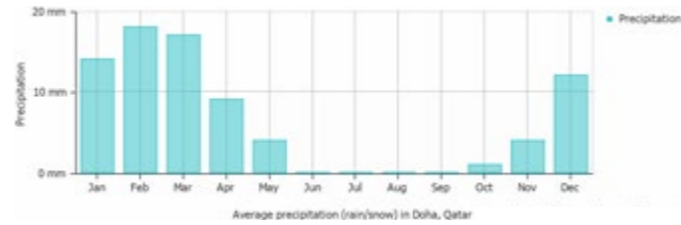
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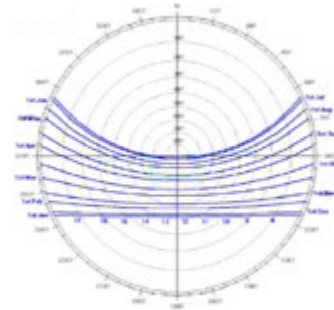
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Falcon Tower Location



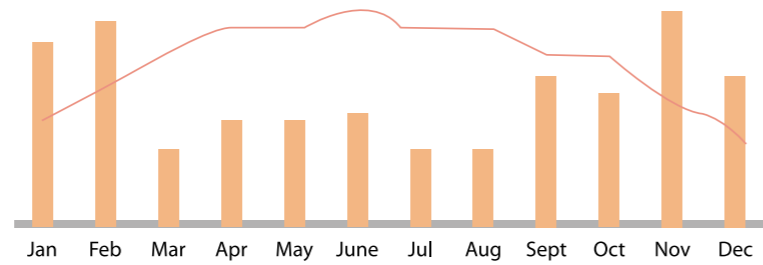
Wind Direction



Annual Sun Path

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Solar Radiation - Direct Normal & Diffuse

FALCON TOWER

Site Analysis

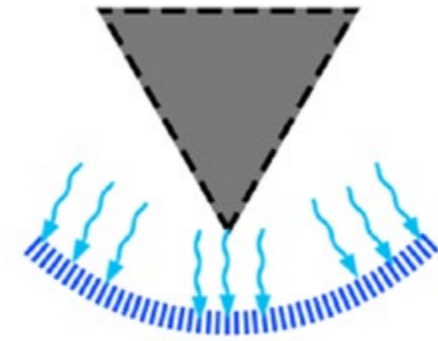
MAXIMIZE VIEW

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FALCON

Inspiration from the soft falcon's feathers and the more vivid lines. The falcon is considered to be among the most important animals in several Arab states, especially in the gulf region where falconry is an essential part of tradition and culture. similar to camel and horse riding, falconry is an integral part of the desert life in the gulf region. The national bird is incredibly revered in Qatar society, where falconry is also respected as a sport that draws thousands of fans and enthusiasts.



Sea View



FLOOR PLANS



1st Floor



Typical Floor



20th Floor



21th Floor



Basement 01



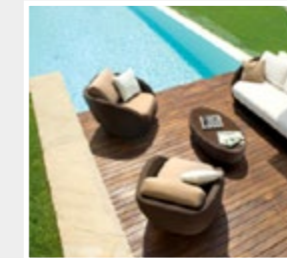
Basement 02



Basement 03



Ground Floor

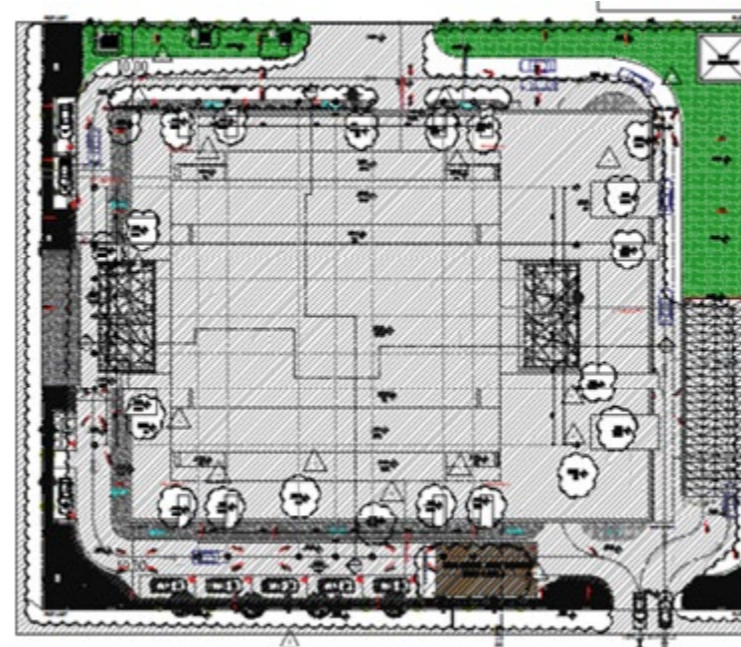


2022
MARINA MIX TOWER



SCOPE OF WORK
Modification License & Value Engineering

MARINA MIX TOWER - MODIFICATION LICENSE & VALUE ENGINEERING



REGULATIONS		Unit	Proposal	Unit
Subject	Requirement		Actual	
Plot Area	5695.00	SQM	5695.00	SQM
Plinth Coverage Area	3417.00	SQM	2931.90	SQM
Tower Coverage Area	1708.50	SQM	1146.36	SQM
3 Stars GFA (MAX)	29898.75	SQM	2966.87	SQM
Tower Height (MAX)	146.70	M	125.84	M
Stores (MAX)	40.00	FLR	32.00	FLR
Ground Parking (MAX)	13.56	PC	9.00	PC
Parking Slots	339.10	PC	345.00	PC



SCOPE OF WORK
 Modification License

MARINA COM 39

Modification License

1. All room dimension are measured to structural elements and exclude wall finishes and construction tolerance.
2. All dimensions have been provided by consultant architects.
3. All materials, dimensions and drawings are approximate Information is subject to change without notice.
4. Actual offices area may vary from stated area. Drawings not scale. The Developer reserves the right to make revisions.
5. Calculation of offices are measured as the area bounded by the centre line of demising or partition walls separating one unit from another unit, the exterior face of all exterior walls, and the exterior face of the corridor wall enclosing the adjoining unit.
6. The unit in measured at the typical floor in the building. Columns may vary in size depending on the floor level.



OFFICE LAYOUT A-1

FLOOR LEVEL	2F, 3F, 4F, 7F, SF, 10F, 11F, 12F, 14F, 15F, 16F
NO. OF OFFICE	1
TOTAL AREA	946.00 sq. m.
OFFICES AREA	787.00 sq. m.
LOBBY AREA	24.00 sq. m.
MEP /SERVICE AREA	135.00 sq. m.

MARINA COM 39

Site Analysis

1. All room dimension are measured to structural elements and exclude wall finishes and construction tolerance.
2. All dimensions have been provided by consultant architects.
3. All materials, dimensions and drawings are approximate Information is subject to change without notice.
4. Actual offices area may vary from stated area. Drawings not scale. The Developer reserves the right to make revisions.
5. Calculation of offices are measured as the area bounded by the centre line of demising or partition walls separating one unit from another unit, the exterior face of all exterior walls, and the exterior face of the corridor wall enclosing the adjoining unit.
6. The unit in measured at the typical floor in the building. Columns may vary in size depending on the floor level.

**OFFICE LAYOUT B-1**

FLOOR LEVEL	SF, 6F, 13F
NO. OF OFFICE	2
TOTAL AREA	946.00 sq. m.
OFFICES AREA 1	391.00 sq. m.
OFFICES AREA 2	391.00 sq. m.
LOBBY AREA	24.00 sq. m.
MEP /SERVICE AREA	140.00 sq. m.



2022
RESIDENTIAL BUILDING



SCOPE OF WORK

Design verification & value engineering

RESIDENTIAL BUILDING

Scope of Work

DESIGN VERIFICATION MEP - STRUCTURE 2022

PROJECT	CONSTRUCTION OF RESIDENTIAL BUILDING (2B+G+10F+RF)
SUBJECT	STRUCTURAL DESIGN VERIFICATION
LOCATION	ERKYAH- LUSAIL CITY
DATE	2022



2023 974 BUILDING

2023

BUILDING 974 Full Design

> PROJECT DETAILS

PROJECT	974 Building
LOCATION	QATAR
SCOPE OF WORK	FULL DESIGN
DATE	2023





2020 LOYDANCE ACADEMY SCHOOL | Full Design

> PROJECT DETAILS

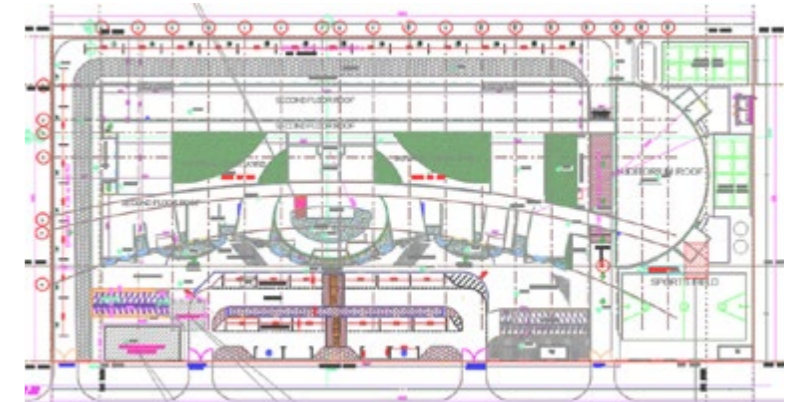
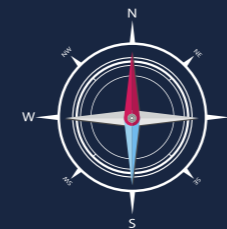
PROJECT NAME	Loydance Academy School
AREA	10,000 M ²
LOCATION	Wadi Al Banat, Al Daayen, Qatar
DATE	2020

2020

LOYDANCE SCHOOL

Site Analysis

- Architectural
- Interior
- Structure
- Electrical
- Extra low voltage
- Mechanical
- Civil Defence
- Landscaping
- Exterior Design
- 3D Model
- BIM Management



LOYDANCE SCHOOL

Technical Office

- Shop drawing
- As-built Drawing
- Calculations
- Simulations
- Material Selection
- BOQ
- SPECS.
- Tendering Costing
- Engineering Solutions
- Vendor list evaluation
- Method Statement
- Engineering Reports



LOYDANCE SCHOOL

Site Analysis





2021 ECONOMICAL GROUP STORE | Full Design

> PROJECT DETAILS

PROJECT NAME	Economical Group Store
AREA	1500 M ²
LOCATION	Al Boroq Tower, Qatar
DATE	2021







2020 TITANIC RESORT | Full Design

> PROJECT DETAILS

PROJECT NAME	Titanic Resort
AREA	45,000 M ²
LOCATION	Seerijo City
DATE	2020

TITANIC RESORT Full Design





2020

TALABAT ADMIN BUILDING | Authority Approval

> **PROJECT DETAILS**

PROJECT NAME	Talabat Admin Building
AREA	1500 M ²
LOCATION	Al Boroq Tower, Qatar
DATE	2020

2017

TALABAT ADMIN

Site Analysis

- ARCH
- Fire Safety
- ELEC
- WS - DR
- Civil Defense
- ELV
- Tender Documents

AUTHORITY APPROVAL





TALABAT ADMIN BUILDING

CIVIL DEFENSE - LICENSED BUILDING PERMIT

Marina District, Lusail City

2017



2016 **ROYAL** Residential Apartment | MEP Design

> PROJECT DETAILS

PROJECT NAME	Building 7 Floor
AREA	10.000 M ²
LOCATION	UM GUWAILINA
DATE	2016



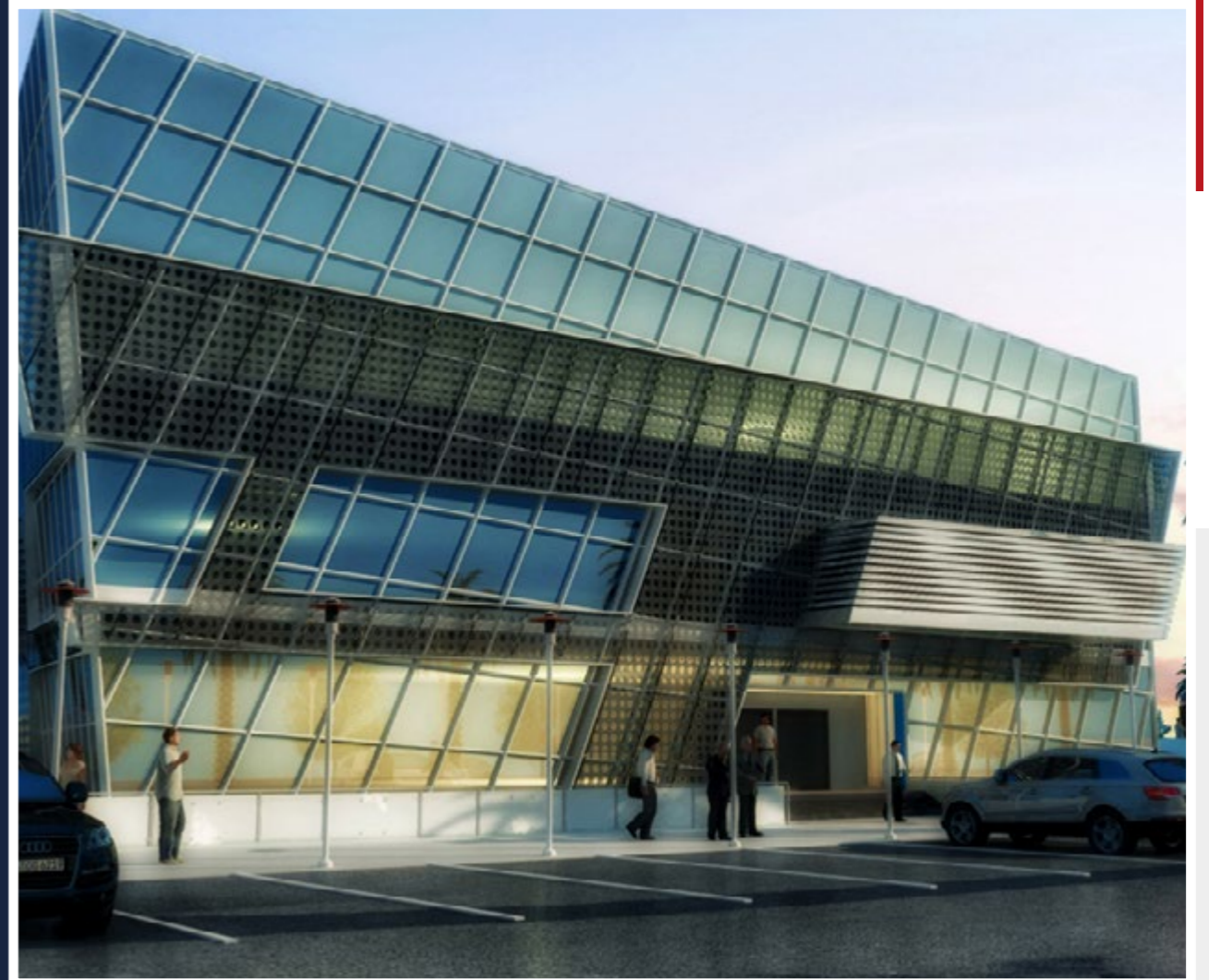


MEP | CIVIL DEFENSE DESIGN

ADMIN OFFICE BUILDING 2016

> **PROJECT DETAILS**

PROJECT NAME	Building 7 Floor
AREA	2.400 M ²
LOCATION	Najma, Qatar
DATE	2016





2019

MOON YARD MALL

MEP Design



2019 MOON YARD MALL | MEP Design

> PROJECT DETAILS

PROJECT NAME	Moon Yard Mall
AREA	4.000 M ²
LOCATION	Al Shorouk , Cairo, Egypt
DATE	2019



Site Plan



2022
LUSAIL VILLA

2022

LUSAIL VILLA
Full Design

> PROJECT DETAILS

PROJECT	Villa
LOCATION	LUSAIL
SCOPE OF WORK	FULL DESIGN
DATE	2022





2022 KHALED AL SILITY VILLA

2022

KHALED AL SILITY VILLA

Full Design

> PROJECT DETAILS

PROJECT	Villa
LOCATION	QATAR
SCOPE OF WORK	FULL DESIGN
DATE	2022





2021 MAJLIS ABDULRAHMAN VILLA

2021

MAJLIS ABDULRAHMAN VILLA | Full Design

> PROJECT DETAILS

PROJECT	Villa
LOCATION	QATAR
SCOPE OF WORK	ALRAYYAN
DATE	2021





2022
MAJLIS BANI HAJER VILLA

2022

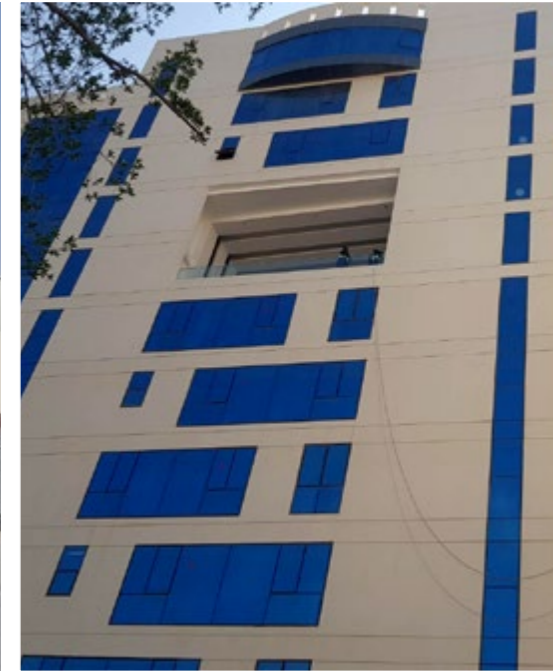
MAJLIS BANI HAJER VILLA
 Full Design

> **PROJECT DETAILS**

PROJECT	Villa
LOCATION	QATAR
SCOPE OF WORK	FULL DESIGN
DATE	2022



LICENSE & CERTIFICATE
PROJECTS





AL KHALAF SONS FACTORY
MODIFICATION LICENSE & COMPLETION CERTIFICATE
INDUSTRIAL AREA | 2022



AL ATTIYA STORE
MODIFICATION & COMPLETION CERTIFICATE
INDUSTRIAL AREA | 2022



AL EMADY
MODIFICATION LICENSE & COMPLETION CERTIFICATE
BIRKAT AL AWAMER | 2022



STORE 6630
COMPLETION CERTIFICATE
BIRKAT AL AWAMER | 2022



AL KHOORI STORE
MODIFICATION LICENSE & COMPLETION CERTIFICATE
BIRKAT AL AWAMER | 2022



QATARI COMMERCIAL COMPLEX
MODIFICATION LICENSE & COMPLETION CERTIFICATE
AL MARKHIYAH | 2022



TRAMARCO STORE
COMPLETION CERTIFICATE
BIRKAT AL AWAMER | 2022



QUALITY STORE
MODIFICATION LICENSE & COMPLETION CERTIFICATE
BIRKAT AL AWAMER | 2022



UNITED BANK
MODIFICATION LICENSE & COMPLETION CERTIFICATE
NEW DOHA | 2022



AL SALATA HOTEL APARTMENTS
MODIFICATION LICENSE & COMPLETION CERTIFICATE
OLD SALATA | 2022



BOKSHISHA RESIDENTIAL BUILDING
3RD PARTY
BIN MAHMOUD | 2022



JAW'AAN RESIDENTIAL BUILDING
MODIFICATION LICENSE
AL SADD | 2022



ORIENTAL STORE
COMPLETION CERTIFICATE
BIRKAT AL AWAMER | 2022



LIBERTY FACTORY
COMPLETION CERTIFICATE
INDUSTRIAL AREA | 2022





2023
ROMEO AND JULIET RESTAURANT

ROMEO & JULIET RESTAURANT
 Interior Design

> **PROJECT DETAILS**

PROJECT	RESTAURANT
LOCATION	QATAR
SCOPE OF WORK	INTERIOR DESIGN MEP DESIGN TECHNICAL REPORT
DATE	2023





2019 PAPA JOHN'S SHOP

> PROJECT DETAILS

PROJECT NAME	Papa John's Restaurant
SCOPE OF WORK	M License
LOCATION	Qatar
DATE	2019



2015 DIP N DIP SHOP

> PROJECT DETAILS

PROJECT NAME	Dip N Dip Restaurant
SCOPE OF WORK	M License
LOCATION	Qatar
DATE	2015





2022 BLOOM BEAUTY SALON

> PROJECT DETAILS

PROJECT NAME	Bloom Beauty Salon
SCOPE OF WORK	Full Design
LOCATION	Lusail Boulevard
DATE	2022



2015 MADI INT SHOP

> PROJECT DETAILS

PROJECT NAME	Madi Int Shop
SCOPE OF WORK	M License
LOCATION	ALSADD
DATE	2015

2016 NAHI OUD SHOP

> PROJECT DETAILS

PROJECT NAME	NAHI OUD Shop
SCOPE OF WORK	MEP Design
LOCATION	TAWAR MALL
DATE	2016



2018 ROSE SWEET SHOP

> PROJECT DETAILS

PROJECT NAME	Rose Sweet Shop
SCOPE OF WORK	MEP Design
LOCATION	Qatar
DATE	2018



2016 MAVI SHOP

> PROJECT DETAILS

PROJECT NAME	Mavi Shop
SCOPE OF WORK	M License
LOCATION	The Pearl
DATE	2016



2016 QUICK NAILS SHOP

> PROJECT DETAILS

PROJECT NAME	Quick Nails
SCOPE OF WORK	MEP Design
LOCATION	AL MIRA - AL Dohil
DATE	2016



2021 - 2023
AMEC BOOTHS



2021

BUILD YOUR HOUSE
Exhibition Event 2021



AMEC EXHIBITION | 2021

BUILD YOUR HOUSE

Exhibition Event 2022



AMEC EXHIBITION | 2022

BUILD YOUR HOUSE

Exhibition Event 2023



AMEC EXHIBITION | 2023

DESIGN PROCESS

AMEC

1. DC1 DESIGN APPROVAL

AMEC will make Review for the full design development for an updated Architectural design and final detailed design as well as structural and MEP design to be submitted to AMEC to get an initial approval for DC1 stage before submitting to municipality by the below disciplines of submission:

1. Architectural Drawings [concept will be provided by the client]
2. Life Safety Drawings.
3. Initial Electrical Drawings.

2. SERVICES DESIGN DRAWINGS FOR DC2 APPROVALS

AMEC review and upload to get a Final approval for DC2 to be submit to municipality later for final DC2 approvals by AMEC.

1. Structural Drawings
2. AC Drawings.
3. Fire-fighting drawings.
4. Fire Alarm drawings.
5. Mechanical Ventilation Drawings.
6. Electric Drawings.
7. OOREDOO Drawings.
8. Water Supply the drawings.
9. Drainage Drawings.
10. ELV Drawing



Art Mark Engineering Consultant

DESIGN PROCESS

AMEC

3. LICENSE OF THE NEW BUILDING

AMEC Architecture Engineering will carry out all the responsibilities for all the engineering Consultancy services of the project according to the following disciplines without any responsibility for any that be Submitted specialist requirements. In order to obtain Final Building Permit License and Completion Certificate.

A. Detail B- Detailed Scope of Works

1. Design Works

ARCH	✓	Landscape	✓	Interior	✓	Exterior	✓	Structure	✓	Fire Safety	✓
Electric	✓	Fire Fighting	✓	Fire Alarm	✓	Mechanical Ventilation	✓	Air Conditioning	✓	Heating	✓
Plumbing	✓	Drainage	✓	Ooredoo	✓	ELV	✓	BMS	✓	GSAS	✓

2. Shop Drawing Works

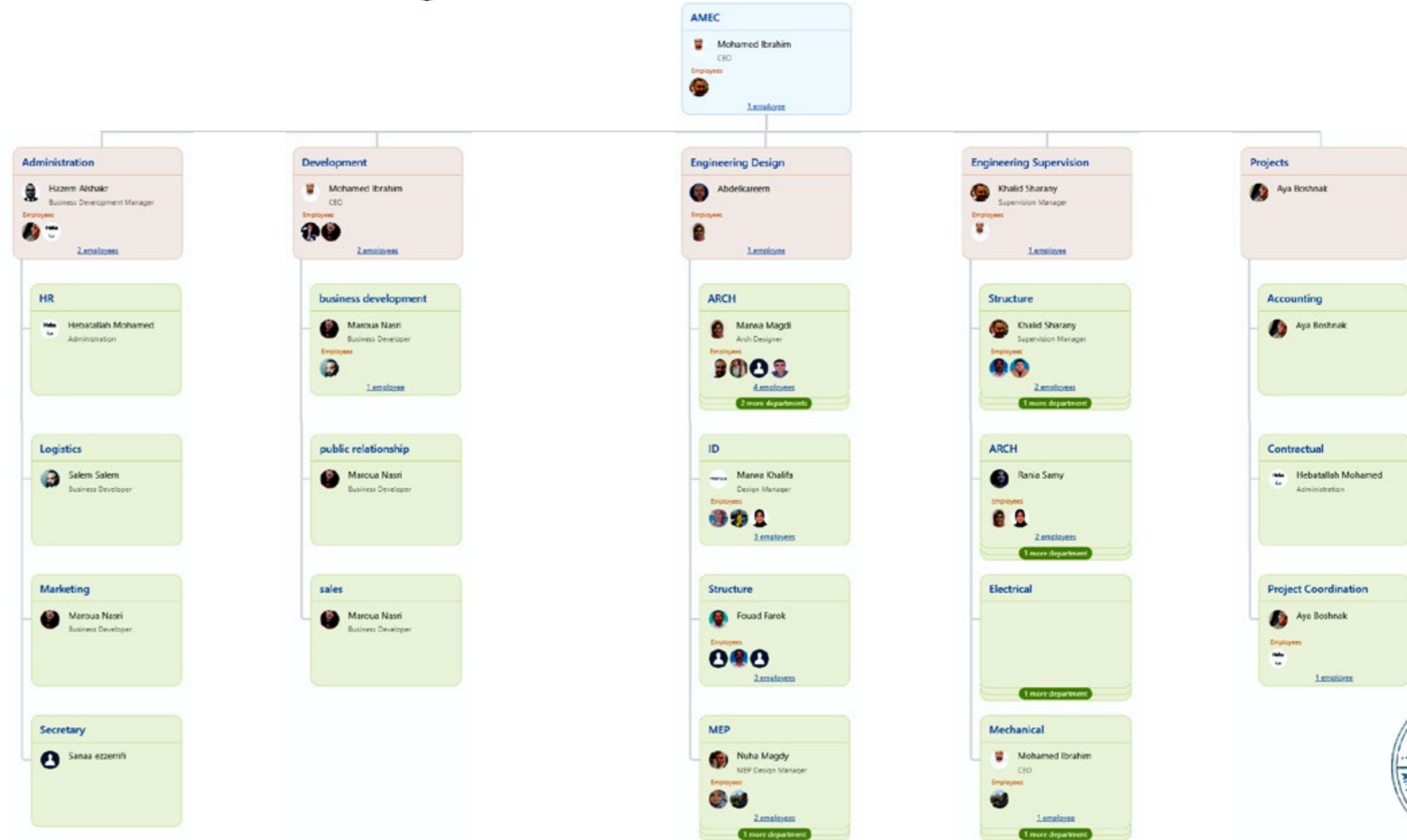
ARCH	✓	Landscape	✓	Interior	✓	Exterior	✓	Structure	✓	Fire Safety	✓
Electric	✓	Fire Fighting	✓	Fire Alarm	✓	Mechanical Ventilation	✓	Air Conditioning	✓	Heating	✓
Plumbing	✓	Drainage	✓	Ooredoo	✓	ELV	✓	BMS	✓	Other	✓

3. Technical office Work (Calculation - Solutions)

ARCH	✓	Landscape	✓	Interior	✓	Exterior	✓	Structure	✓	Fire Safety	✓
Electric	✓	Fire Fighting	✓	Fire Alarm	✓	Mechanical Ventilation	✓	Air Conditioning	✓	Heating	✓
Plumbing	✓	Drainage	✓	Ooredoo	✓	ELV	✓	BMS	✓	GSAS	✓

4. Consultancy work (by JV Consultant) - Approvals and License

Maintenance License	✓	Modification License	✓	Demolish License	✓	Electric License	✓	Structure Reviewing	✓	New License	✓
Civil Defence Drawing	✓	Compilation CER.	✓	Renewal License	✓	Additional Building License	✓	Changing Use	✓	Tem Port to run pro	✓
Boundary Permit	✓	Additional Meter	✓	Inc. Meter Power	✓	1m Height Boundary Permit	✓	Screening Permit	✓	Drawing Mod.	✓
Building Comp. Certificate			✓	Building Permit			✓	GSAS			✓





GREEN Building

“ Committed to the implementation of sustainable design principles AMEC supports the design by the concept of Green Building and the Leadership in Energy and Environmental Design (LEED) program. This nationally recognized effort aims to provide energy efficient designs for both renovation and new construction projects while maintaining recognition of the importance of our environment And in impact on quality of life.

AMEC Committed to green building and sustainable architecture AMEC has a team of LEED accredited professionals practiced in the science of preserving our environment and minimizing energy consumption. Our sustainable MEP design providing a dedicated project management team to guide clients through the process of building for LEED certification, energy modeling, and building commissioning.

The sustainable MEP design group is made up of individuals with relevant experience and a focused commitment to sustainable urban development and energy-efficient building practices that protect the environment.

GREEN BUILDING BENEFITS



With new technologies constantly being developed to complement current practices in creating greener structures, the benefits of green building can range from environmental to economic to social. By adopting greener practices, we can take maximum advantage of environmental and economic performance. Green construction methods when integrated while design and construction provide most significant benefits. Benefits of green building include:

> Environmental Benefits

- Reduce wastage of water
- Conserve natural resources
- Improve air and water quality
- Protect biodiversity and ecosystems

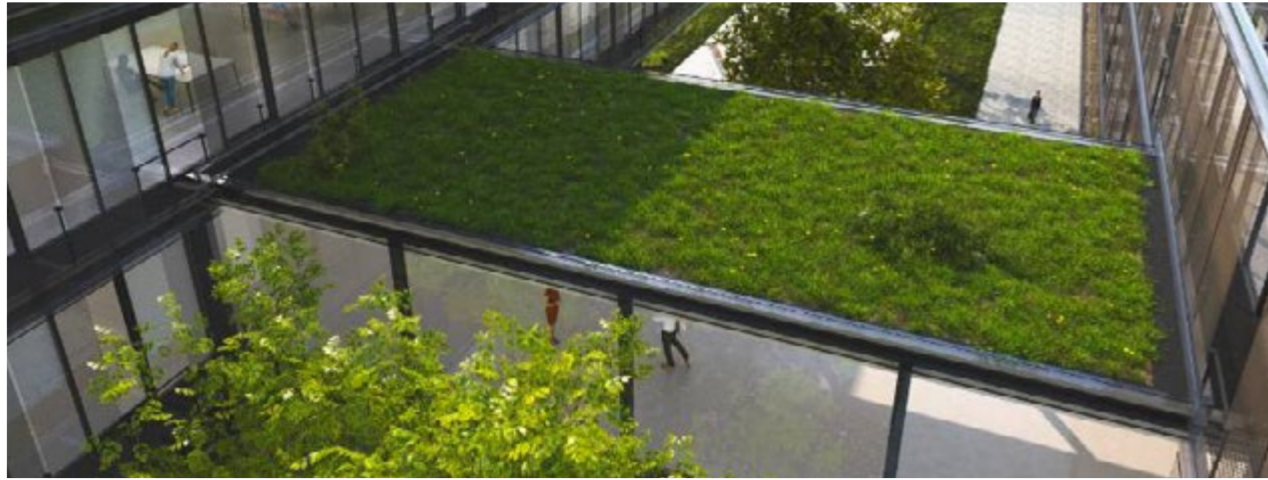
> Economic Benefits

- Reduce operating costs
- Improve occupant productivity
- Create matrices for green product

> Social Benefits

- Improve quality of life
- Minimize strain on local infrastructure
- Improve occupant health and comfort





This day and age, you hear everyone talking about going green. Whether you want to admit it or not, at some point everyone will have to follow with the green movement. This is because at the rate we are going, the earth is simply not sustainable. That means that over the years, we will begin to run out of certain natural resources that are needed in order for us to survive. That is alarming to some people, which is why there are so many people that focus on green building. But, what exactly is green building? Let's take a closer look at what it is, why you should consider it, and what the goals of a green building are. You are sure to find that it is something that you should take



“ Now, let us take a look at why it is so important to go green. Most people will find when going green that they are able to reduce their carbon footprint and actually lend a helping hand to the environment. You can go green in a variety of different ways, but builders and construction workers must do their part as well. If you haven't begun going green, then you will find that there are a variety of different things that you can do to help you get started. You don't have to jump in head first and you can actually take some baby steps along the way. Green buildings are designed in such a way to reduce overall impact on environment and human health by:

- Reducing trash, pollution and degradation of environment
- Efficiently, using energy, water and other resources
- Protecting occupant health and improving productivity





“ Now, we should consider the goals of green building. Of course, one of the main goals is to make the earth more sustainable, but it really does go deeper than that.

When you decide to go green, your goal will be to actually help to sustain the environment without disrupting the natural habitats around it. When you start a building project, and you disrupt the natural habitats around it, you can actually make an impact in the wildlife and environment that will be much like a butterfly effect.

Even the smallest changes that you can make will help to promote a better planet earth, and a better place for us all to live—not just us humans, but also the plants and wildlife that take up their residence here on earth as well.



As you can see, green building is something that everyone should really jump on to. If you don't plan to rebuild your home, then you may just want to make a few green changes within your home to ensure that you are able to get the goals that you want out of it. You can cut down on your energy usage, save money, and make a big impact on the environment. You will find that it isn't as hard as people make it out to be, and you will feel better about yourself when you go green too!



> AMEC Services

- Design IFC
- Design IFT
- BOQ
- Specs
- Cost Value
- Shop Drawing
- BIM Modeling
- CFD Analysis
- GSAS Report
- MEP Calculations
- MEP Planning
- Evaluation
- Evaluation Safety Plan

AMEC

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Art Mark Engineering Consultant

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