



GET IN TOUCH

MASS ELECTRO-MECHANICAL CONTRACTING COMPANY S.A.R.L.

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MASS

ELECTRO-MECHANICAL CONTRACTING SARL

MEP IDEAS YOU CAN TRUST





INDEX

INTRODUCTION	5
OUR VISION	6
OUR MISSION	6
OUR HSE PLAN	7
OUR SERVICES	8
ELECTRICAL SYSTEMS AND NETWORKS	8
MECHANICAL ENGINEERING	10
ELECTRO-MECHANICAL INFRASTRUCTURE	10
PREVENTIVE MAINTENANCE AND COMMISSIONING	11
EXECUTED PROJECTS IN LEBANON	12
HOTELS & FURNISHED APARTMENTS	12
UNIVERSITIES	16
RESIDENTIAL BUILDINGS	18
VILLAS	22
SOLAR SYSTEM PROJECTS	24
EXECUTED PROJECTS OUTSIDE LEBANON	28
YEMEN	28
IRAQ	29
UAE	30
KSA	34
GALLERY	36



INTRODUCTION

MASS Electro-Mechanical Contracting Company SARL was established in Lebanon in 2018, specializing in the comprehensive design, execution, supply, installation, upgrade, and maintenance of various Electro-Mechanical Systems and Networks. Our expertise extends to diverse domains, with a particular focus on Solar Systems and Networks.

Our company is driven by a team of partners and major shareholders who have tackled numerous challenging projects, accumulating a wealth of skills throughout their extensive professional history in other MEP contracting companies. The General Manager, who is also the major shareholder at MASS, brings over 40 years of extensive experience in the MEP Contracting Field. Notably, he served as a partner and Managing Director of ZOOM Emirates for Electro-Mechanical Works Ltd. and as a Managing Partner at ZOOM Electrical Contracting Company Ltd. Consequently, many projects executed during his tenure with ZOOM Emirates and ZOOM Electrical are showcased in the MASS profile.

Over the years, MASS has demonstrated operational excellence, achieving rapid growth in the Electro-Mechanical sector. We have assembled a dynamic leadership team comprising top-notch technicians, engineers, and professionals. As a result, MASS proudly stands as a major player in the Electro-Mechanical industry, offering a comprehensive suite of MEP Engineering Services.

Our team possesses superior technical abilities, interpersonal skills, and a wealth of work experience, enabling us to consistently meet customer requirements promptly, within budget constraints, and in strict conformity with international standards of quality, security, and safety. We maintain a dedicated commitment to environmental awareness, ensuring a sustainable and responsible approach to our projects.



OUR VISION

To be one of the best and leading MEP Engineering Firms in the local and regional markets, renowned for its Quality Work, Performance, Reliability and its sound Environmental Awareness Policy.

OUR MISSION

Guided by our Vision, our Mission is:

- To deliver high-quality, cost-effective projects on time, within a cost-effective budget and in conformity with international standards of quality, security, safety and with preservation to the environment.
- To become the customers' preferred choice when it comes to MEP Engineering Services.

OUR HSE PLAN

(Health, Safety and Environment) in Few Words:

Our HSE Plan is a separate document that we safely keep in our offices. We require from all our employees, subcontractors and visitors to be actively committed to this plan. Our plan defines the correct or rather preventive actions needed to improve HSE Performance.

In brief, MASS is committed to do all that is reasonably practicable to ensure a safe and healthy environment for all who work with us, or who may be affected by our work, and to ensure that all employees, subcontractors, suppliers, and visitors understand the importance of health, safety and protection of the environment in their work place.

Our main objective is to identify potential Health, Safety and Environmental risks, eliminate them where possible and implement effective risk control measures.



OUR SERVICES

As Electro-Mechanical Contractors, we provide the following Services:

Our business services and activities extend to cover all areas of Electro-Mechanical works including, but not limited to:

- 1-** Electrical Engineering Services including High Current, Low Current and Renewable Energy Systems and Networks.
- 2-** Mechanical Engineering Services including HVAC, Plumbing, Drainage, Firefighting, Irrigation, refrigeration, etc. Systems and Networks.
- 3-** Electro-Mechanical Infrastructure Systems and Networks.
- 4-** Preventive Maintenance and Building Commissioning Services.

1. ELECTRICAL SYSTEMS AND NETWORKS INCLUDE:

A. High Current Installations and Systems:

- Medium and Low voltage networks and switchgear.
- Lighting and power installations for conventional and industrial projects.
- Automatic control systems for various purposes, such as: Generators load share & synchronization, Refrigeration controls, etc...
- Standby generators and essential power.
- Architectural & specialized lighting design and installation.
- Lightning protection.
- Surge arrestors and power lines.
- Grounding networks.
- Building Management Systems (BMS)
- In general, MASS undertakes complete design and build jobs related to all aspects of Electrical Services.





B. Low Current Installations and Systems:

- Voice and Data networks and systems
- SMATV networks and systems
- CCTV networks and systems
- Fire alarm networks and systems
- Public address networks and systems
- Audio/Visual networks and systems
- Access control networks and systems
- Security and various alarm networks and systems

C. Renewable Energy Installations and Systems:

· MASS has established a special department for mounting racks of photovoltaic solar panels. We have installed On-grid, off-grid and hybrid solar systems for a wide variety of projects, such as: villas, bldgs. factories, hospitals, etc. and of different power sizes, of which the total power sum exceeds 3 MW of supplied and installed systems.

In addition to other applications, such as:

- Solar Garden Lights networks and systems
- Solar Street Lights networks and systems
- Solar Water Pumps networks and systems

2. MECHANICAL ENGINEERING SERVICES

- Heating, Ventilation and Air Conditioning (HVAC) networks and systems including District Cooling.
- Plumbing networks
- Drainage networks
- Firefighting networks including FM200 system
- Refrigeration networks and systems
- Boiler and steam networks
- Irrigation networks
- Swimming pools and fountains

In general, MASS undertakes complete Design and Build jobs related to all aspects of Mechanical Services.

3. ELECTRO-MECHANICAL INFRASTRUCTURE SERVICES:

A. ELECTRICAL INFRASTRUCTURE SERVICES:

A-1. Medium Voltage:

Supply and installation of the following cable networks & systems:

- Ring Main Units (RMUs)
- Power Transformers (MV / LV)
- Underground MV Cables
- MV Metering and Protection Relays



A-2. Low Voltage:

Supply and installation of the following cable networks & systems:

- Underground LV Cables
- Power Main Distribution Boards
- Power Distribution Pillars
- Kilo-Watt Hour Meters

A-3. Telecommunication:

Supply and installation of the following cable networks & systems:

- Underground Duct Banks for Fiber Optic Structures
- Mini-Manholes and Manholes for Fiber Optic Structures
- Underground Low Current Cables

A-4. Street Lighting:

Supply and installation of the following:

- Street Lightin
- Street Lighti
- Street Lig

B. MECHANICAL INFRASTRUCTURE SERVICES:**B-1. Sewage:**

Supply and installation of the following pipe networks and systems:

- Main Sewage Networks
- Secondary Sewage Networks
- Sewage Treatment Plants
- Sewage Manholes and Hand-holes

B-2. Domestic Water Distribution:

Supply & installation of the following pipe networks & systems:

- Underground Water Distribution Networks including Gate Valves, Pressure Reducing Valves (PRVs) and other necessary distribution components.
- Main Water Pumping Stations including Main Water Pumps, Chlorination Systems and necessary controls.

4. PREVENTIVE MAINTENANCE AND COMMISSIONING SERVICES:**A. Preventive Maintenance:**

Preventive maintenance is simply preventing problems before they occur.

It includes regular maintenance on all systems and their operating parts such as: Electric switch gears, A/C compressors, motors, pumps and others.

By maintaining the systems parts and equipment in an efficient way, we lengthen the life of these system and save money.

B. Commissioning Services

EXECUTED PROJECTS IN LEBANON A. HOTELS & FURNISHED APARTMENTS



WESTIN ROYAL PLAZA HOTEL

BEIRUT - RAUCHEH

Well known 5-Star hotel in Beirut, established in 1998 with restaurants, banquet halls, night clubs, swimming pool, gym, etc.

OTHER EXECUTED HOTELS

Hildon, Beirut - Raoucheh

4 Stars, 80 rooms + suites

Grand Hotel Versailles, Hamra Beirut

4 Stars / Class A, a luxury hotel of 76 rooms

Malabo Palace, Malabo - Guinea Equatorial

5 Star Hotel with area over 21,000 m²

** ZOOM executed and delivered the complete Electro-Mechanical design and tender documents*

LAHOYA SUITES

MANARA, BEIRUT

Adjacent to Riviera Hotel, 14 luxurious duplex apartments + basement



|14

BAYVIEW SUITES HOTEL

BEIRUT, LEBANON

4 Stars, Class A



IMPERIAL SUITES HOTEL

BEIRUT, LEBANON

4 Stars, Class A



VERDUN PLAZA SUITES

BEIRUT - VERDUN

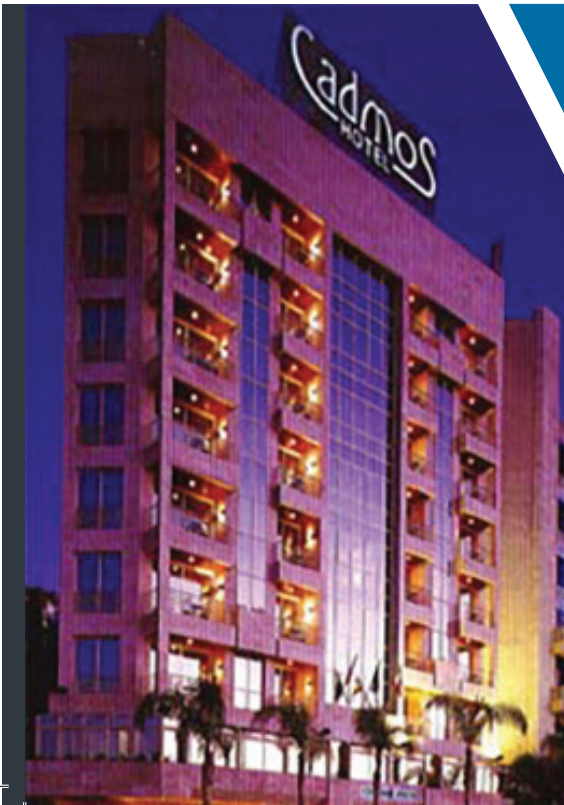
Two blocks: modern
shopping mall +
furnished apartments



CADMOS HOTEL

BEIRUT, LEBANON

4 Stars, Class A



EXECUTED PROJECTS IN LEBANON
B. UNIVERSITIES



**LEBANESE AMERICAN
UNIVERSITY**

Renovation of Irwin
Hall, Beirut

**AMERICAN
UNIVERSITY
OF BEIRUT**

Renovation of English
Department, Fisk Hall



OTHER UNIVERSITIES

LEBANESE AMERICAN UNIVERSITY

Orme Gray Building, Beirut

LEBANESE AMERICAN UNIVERSITY

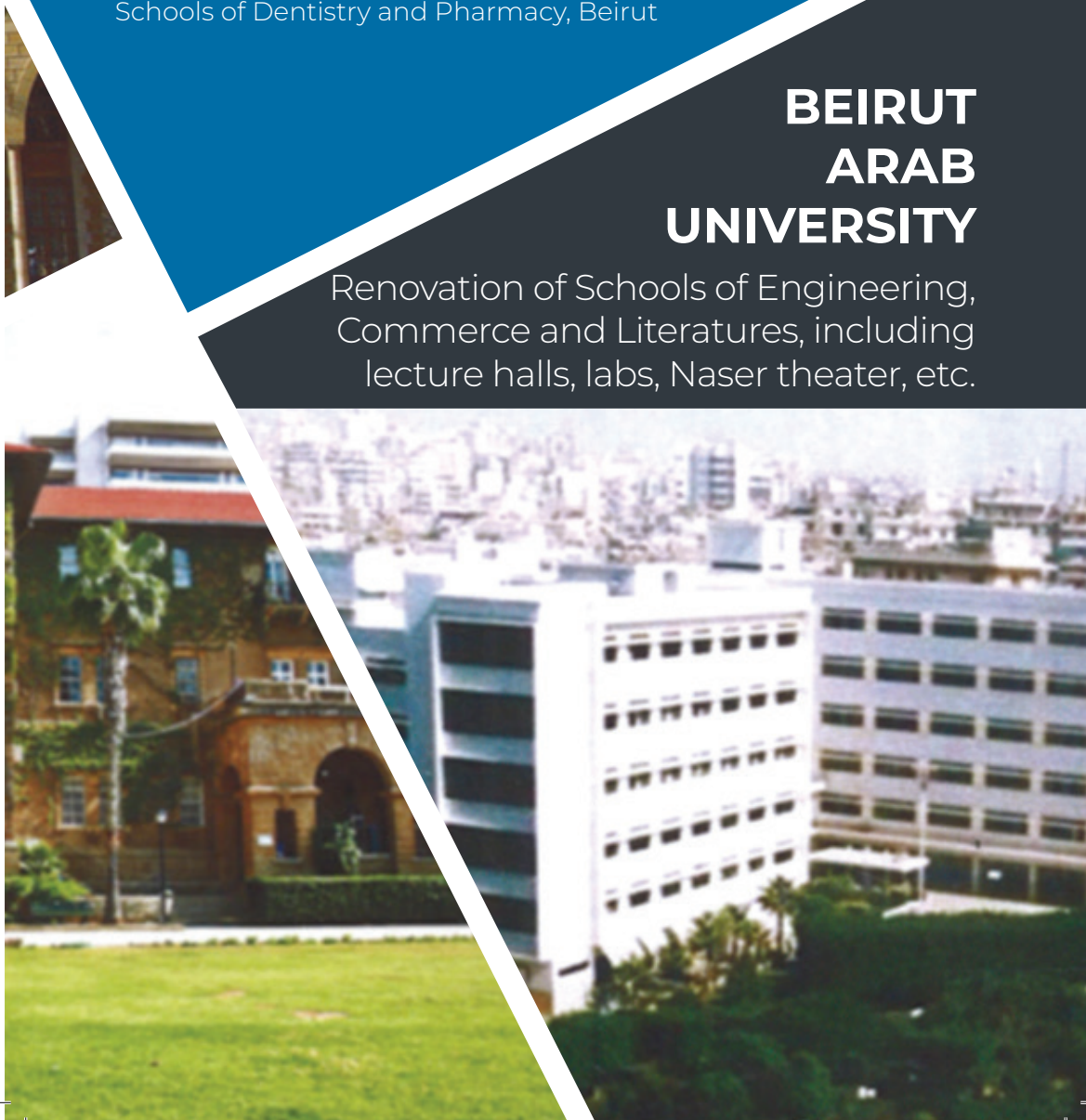
Art and Science Building, Beirut

LEBANESE UNIVERSITY

Schools of Dentistry and Pharmacy, Beirut

BEIRUT ARAB UNIVERSITY

Renovation of Schools of Engineering,
Commerce and Literatures, including
lecture halls, labs, Naser theater, etc.



EXECUTED PROJECTS IN LEBANON
C. RESIDENTIAL BUILDINGS



SAHAB TOWER

Beirut - 32 residential
apartments +
shopping center



**BEVERLY
HILLS**

Beirut, Ramlet el
Baida - Deluxe
residential building

D. HOSPITALS & MEDICAL CENTERS:

- **MIDDLE EAST HOSPITAL**, Beirut - Ramlet al baida, 11 Floors Bldg. + Basments (Labs, X-Rays, etc.). Around 300 Bed.
- **CEDIM MEDICAL CENTER**, Beirut Surburbs - Furn El Chebak, a new very Advanced Center for ERM, Echography and X-rays, 3 Floors.

E. OFFICE BUILDINGS & SHOPPING MALLS:

- **MINISTER DALLOUL OFFICE BUILDING**. Bekaa - Lebanon.
- **MR. JAMIL SAID KHALIL RESIDENCE AND OFFICE BUILDING**, Beirut, the design and execution of a complete Automatic Control Panels for Generators and Air-Conditioning.
- **LYTIANI OFFICES**, Beirut - Bechara El Khoury Street.
- **MR. SALEH OFFICE BUILDING**, Beirut - Hamra: Offices+ Showrooms.
- **DIAMOND TOWER**, Beirut - verdun: offices, Showrooms, & Night Club.
- **IVAOIR CENTER**, South Lebanon - Tyre, SO Shops, 52 Offices & 64 Apts.
- **SUN TOWER**, Lebanon - Baalbeck, 14 Floors, Modern Shopping Center.
- **APOLLO**, Advanced Hair Treatment Center, Lebanon - Hazmieh.
- **ANTOINE LIBRARY**, Beirut - Hamra, 3 Floors Library.

F. RESTAURANTS & CAFES :

- **PLANET HOLLYWOOD**, Beirut - New Starco, an American chain of restaurants, 4 Floors.
- **HARD ROCK CAFE**, Beirut - Ain El Mraysseh, an American chain of restaurants, 3 Floor.
- **SUBWAY RESTAURANTS**, Beirut - Hamra, another American chain of Restaurants
- **AL-CHAHROUR RESTAURANTS**, a well-know Lebanese chain of restaurants, 3 Branches were executed by Zoom: in Beirut (Raoucheh Branch + Airport Road Branch) and in South Lebanon (Khayzaran Branch).
- **I CAN'T BELIEVE IT'S YOGURT**, Lebanon - Maameltein, an American chain specialized in ice cream.
- **CASA DEL TACO**, Beirut - Hamra, a 3 Floor Mexican Restaurant in Bliss Street Facing AUB (American University of Beirut)



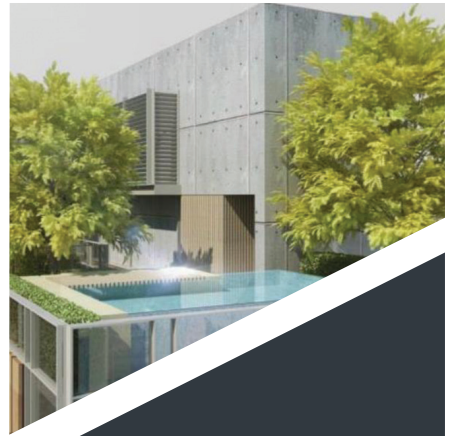
|20

HORIZON RESIDENTIAL BLDG.

JNAH, BEIRUT

A contemporary 5-floor building with double apartments on each floor, providing a modern and comfortable living space.





LANDMARK RESIDENTIAL TOWER

JNAH, BEIRUT

(currently under construction by MASS)
An upcoming modern residential building
with 16 floors, duplex apartments.

EXECUTED PROJECTS IN LEBANON

G. VILLAS



HAROUN EL RACHID VILLAS,

Lebanon - Khaldeh, 5 luxurious villas, 4 floors each with gardens.

MINISTER DALLOUL PALACE & OFFICE BLDNG, Bekaa Lebanon. Complete renovation of the existing palace & new office building.

MR. JAMIL SAID KHALIL VILLA, Harris-South Lebanon. Control panel as above.

MR. AHMAD ALI AHMAD PALACE, Harris-south Lebanon.

FAWAZ PALACE, Jouaya-south Lebanon, design & execution of low and high current networks & systems.

MR.SOUHAIL AKKARVILLA, Jouaya-south Lebanon, design and execution of low and high current networks and systems.

MR.MOHAMAD CHEAB PALACE, Charkieh-south Lebanon, design and execution of low and high current networks and systems.

MR. AHMAD ALI AHMAD PALACE, Harris-south Lebanon.

MR.MURTADA HAMMOUD PALACE, Choukine-south Lebanon.

MR. ABBAS NASER PALACE

ABBASIYEH, SOUTH LEBANON

A cutting-edge, modern palace with a breathtaking view of a vast landscape. MASS undertook all electro-mechanical works in this project, including MEP works for the landscape area and the installation of a Solar System.



EXECUTED PROJECTS IN LEBANON

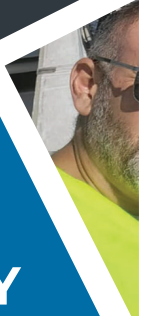
H. SOLAR SYSTEM PROJECTS

MASS has successfully implemented hundreds of Solar Home Systems, catering to power loads of up to 3MW. The following is a list along with corresponding images of selected projects executed across various regions in Lebanon.

BEIRUT ARAB UNIVERSITY SOLAR SYSTEM

MAIN CAMPUS IN TARIQ EL JDEEDEH – BEIRUT

MASS successfully implemented the solar power system at Beirut Arab University (BAU) with a **total capacity of 500 kilowatts peak (KWp) in an on-grid configuration.** This undertaking involved the meticulous planning, installation, and integration of solar panels, ensuring seamless connectivity to the grid.





UN SOLAR PROJECT - AMELIAH ASSOCIATION FOR THE CARE OF ORPHANS

AYTA AL JABAL CROSS ROAD, TIBNIN, BINT JBEIL DISTRICT, SOUTH LEBANON

MASS has achieved a successful implementation of the **Solar Hybrid System** at this project with capacity of 30 kilowatts peak (KWp). The esteemed client for this project was **Caritas Poland, an organization headquartered in Warsaw**. This collaboration underscores MASS's commitment to providing reliable solar solutions to diverse institutions and contributing to the advancement of environmentally conscious initiatives.





EXECUTED PROJECTS OUTSIDE LEBANON A. PROJECTS EXECUTED IN YEMEN



SABAFON HEADQUARTERS

SANA'A - YEMEN

A Yemeni Mobile Telecom GSM Company
(Area over 8,000 m²).

*Owner: Deputy Sheikh Hameed
Al Ahmar.*

SHEIKH HAMEED AL AHMAR PALACE

SANA'A - YEMEN

A Design and Build Project (Area over 15,000 m²). Zoom delivered complete set of electrical design drawings with tender documents, and executed all electrical works including high and low current systems.



B. PROJECTS EXECUTED IN IRAQ

BASRA MILITARY AIRPORT / APOD AND JHF MOVE

BASRA – IRAQ

Zoom executed all MEP works including High and Low Current installations & systems.



SHAIBAH LOGISTIC BASE

BASRA – IRAQ

Ammunition Storage Shelters for the British Army (Area over 15,000 m²). Zoom executed all MEP works including high and low current systems.



EXECUTED PROJECTS OUTSIDE LEBANON

C. PROJECTS EXECUTED IN UAE

1. RESIDENTIAL & COMMERCIAL TOWERS (EXECUTED & DELIVERED)

AL NAHDA TOWER

(2B + G + 8 Parkings+ 30 Typ. Floors + Roof)

Residential Tower on Plot No. (N100), Al Nahda, Sharjah - U.A.E.

Owner: Basem & Yousuf Al Baker

Main Contractor: BEIJING Emirates Contracting Co.

Consultant: Emirates Engineering Co.

ZOOM Executed all Electro-Mechanical (MEP) Works.



SHEIKH ABDULLAH BIN SALMAN TOWER

(G +SP+ 15 Typ. +SP+ HC)

Residential on Plot No. (93 Mulk/274/A Gov.), Al Nahda - Sharjah- U.A.E. Owner: H.H. Sheikh Abdullah Bin Salman Al Khalifa

Main Contractor: Modern Building Contracting Co. Consultant: Vision Engineering

ZOOM Executed all Electrical Works.

AL HAWAI TOWER

(2B + Grd. + 24 Typical Floors + Roof)

Commercial & residential on Plot No. (C-008-028) at TECO Investment, Dubai - U.A.E.

Owner: Talib Jassim Abdullah Al Hawaii

Main Contractor: AB Building Contracting Co.

Consultant: Bel-Yohah Architectural & Engineering Consultant

ZOOM Executed all Electro-Mechanical (MEP) Works.



2. HOTELS (EXECUTED & DELIVERED):

LAYIA PLAZA HOTEL

4* / 250 Rooms - (B +G + 4 Floors + Roof):

Plot No. (233-137), Al Qusais, Dubai - U.A.E.

Owner: Investment Group (PVT) Ltd.

Main Contractor: Modern Building Contracting Co. Consultant: National Engineering Bureau (NEB)

ZOOM Executed all Electrical Works.

CRISTAL SALAM HOTEL

4* - (28 + G +M + 9 Floors + Roof)

Plot No. (C-9), Abu Dhabi - U.A.E.

Owner: Mr. Fadel Saeed Al Darmaki

Main Contractor: CATIC - The Chinese Company Consultant: Sasco Engineering

ZOOM Executed all Electro-Mechanical (MEP) Works.



3. HOSPITALS (UNDER EXECUTION):

ABDULLAH UMRAN HOSPITAL

300 Beds - (B + G + 4 Floors+ Roof)

Plot No. (95-200), Ras Al Khaimah - U.A.E.

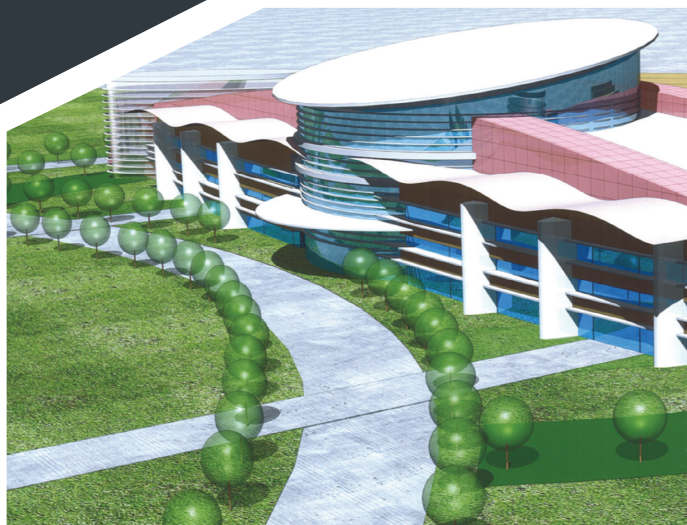
Owner: Abdullah Umrان Ahmad

Main Contractor: BEIJING Emirates Contracting Co.

Consultant: Mazaya Consulting Engineers

ZOOM is responsible for executing all Electro-Mechanical (MEP) Works.

Percentage of Completion:
approximately 80%



EXECUTED PROJECTS OUTSIDE LEBANON

C. PROJECTS EXECUTED IN UAE

EXECUTED PROJECTS OUTSIDE LEBANON

D. PROJECTS EXECUTED IN KSA

RAMADAH HOUSING COMPOUND

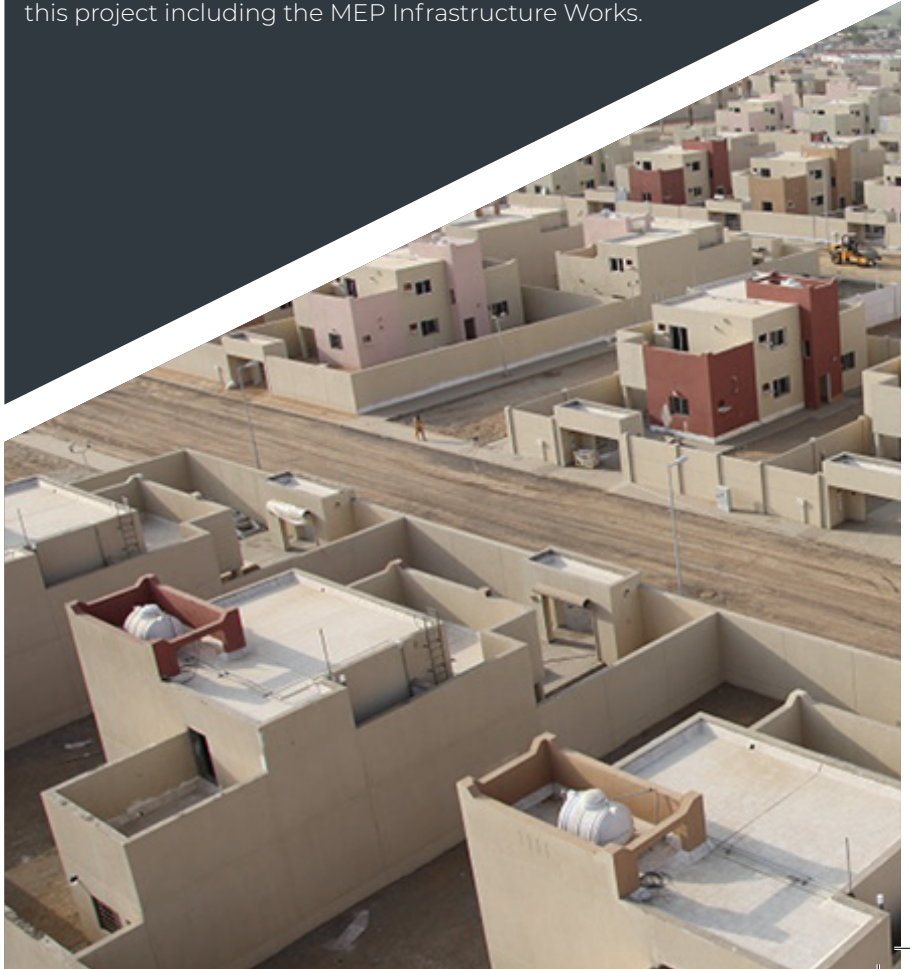
(Under Execution):

JIZAN-KSA

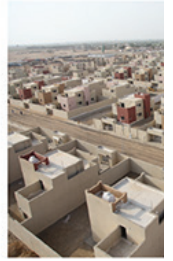
Project Description: 1000 Villas including Power Stations, Sewerage Treatment Plants, Chlorination Facility Bldg., Medical Centers, Mosques and Cemetery.

Main Contractor: BEIJING Emirates International Construction Co.

Under the umbrella of BEIJING Emirates International, ZOOM executed all Electro-Mechanical (MEP) Works in this project including the MEP Infrastructure Works.







GALLERY



