

Specialised Engineering Consultants Building Services (MEP) Consultants



Building Better Built-Environments Company Profile

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A. Introduction

Specialised Engineering Consultants (**SpEC**) has been one of the top 20 specialized MEP consultants in the Middle East, located in Dubai. SpEC is a single window building services consultancy organization and their portfolio includes design and supervision of Solar, MEP, lighting, ICT, Firefighting, fire detection, AV/ELV, BMS, RMS, Security access control systems and Solar PV power generation etc. SpEC's expertise includes value engineering, peer review and sustainable design.

SpEC commenced its operation in year 2006 and had executed various complex projects in UAE, the Middle East and India. SpEC is part of Dubai Smart Initiative and one of the DEWA approved consultant for the design of grid connected Solar PV systems and have designed 23.4MWp Solar PV installations in Dubai.

The projects handled by **SpEC** include hospitality & leisure facilities, resorts, high-rise commercial/residential buildings, convention centers, hospitals, Food processing industries, shopping malls, educational institutions, telecommunication buildings / data centres, etc.

The founders of **SpEC** are engineering professionals with more than 25 years of extensive design experience individually in the construction industry and have been associated with many prestigious projects. **SpEC** employs high-caliber professionals including LEED Accredited Professional (**LEED AP**), Approved Security and Access control system engineer, AV engineers and DEWA approved Solar PV experts to deliver projects to the required quality and utmost satisfaction of clients. The profiles of the projects that **SpEC** has bagged are a testimony to the competence of its professionals.

SpEC is committed to delivering energy-efficient and sustainable built-environments designs incorporating state-of-the-art systems and equipment in the design. **SpEC** provides value-engineered solutions to meet the requirements of its clients.

SpEC has over 30 engineering staff supported by latest engineering design tools and library in a fully networked environment. SpEC uses software's for calculations like Etap for network study, HAP 4.8 for heat load calculation, Dialux for lighting design, ACAD and BIM (MEP Revit).

SpEC has associations with leading consultants worldwide. **SpEC** taps into their resources to provide advanced solutions in areas such as façade lighting, landscape lighting, modeling, LEED certification, etc.

SpEC has been able to mobilize resources at short notice and design and deliver fast-track jobs on time and in compliance with all requirements. This has been a key to its success.

SpEC's promoters' background and its extensive experience in world-class projects make it ideally suited for providing consultancy services for the challenging and innovative projects.

B. Mission

To provide concept-to-completion building services consultancy to the latest international standards and best practices with highly skilled and motivated professionals working together to provide the highest satisfaction to clients.

C. Business Associates

SpEC has entered long-term business associations with renowned international companies like '**ATM, USA**' for marina projects and Oryx Solar/Phanes Energy for Solar projects.

D. Profile of Managing Partners

Syraj Hamza,

Managing Partner and one of the founders of **SpEC**.

Syraj is a graduate Electrical Engineer and a Solar PV expert with diploma in Computer Studies from N.C.C., U.K., member of the Institution of Engineering and Technology (MIET), UK.

Syraj has been a building services consultant for more than 25 years prior to founding SpEC; Syraj was heading electrical department of Ian Banham and Associates as Deputy Director. Syraj's experience in design spans over 1,500 projects in Middle East, India and Africa.



Syraj has pioneered innovative concepts, techniques, ideas and methods for implementing the varied requirements of clients while complying with British Standards, NBC, CIBSE Codes, NFPA Codes and regulations of local authorities having jurisdiction in various projects.

Syraj has handled projects of high complexity. Some of those are IT projects for TECOM Internet City and Media City Dubai, TECOM data centres for IBM, Emirates Airlines, Dubai Mercantile Exchange, district cooling plant for Tabreed, 70 Storied 5 star twin Tower hotel for Emirates Airlines, 7 Star Al Maha desert resort and Central Command Centre and HQ building for Emirates Airlines.

Syraj is a specialist designer of Integrated Building Management Systems, converged solutions for building systems and IT network infrastructure, lighting control systems, data center design, Solar PV system etc. Syraj was personally involved in the evolution and development of JBR BMS integration of about 44 buildings in 7 sectors for TECOM in Dubai.

Syed Sabzada,

Managing Partner and the co-founder of **SpEC**.

Syed is a graduate Mechanical Engineer with over 31 years experience in the building service construction industry. Syed has worked at various capacities as Project Manager, Senior Mechanical Engineer with leading MEP Consultant; viz. J. Roger Preston & Partners, Freeman Fox, Kennedy and Donkin M.E, Atkins and Ian Banham and Associates.

Prior to founding SpEC, Syed was with the Dubai International Airport for 7 years and was the Chief Engineer responsible for the entire operation and maintenance of Airport Systems and responsible for establishing and operating the crisis management centre.



During this time, he has supervised the work of leading international consultants like Bechtel, Airport de Paris International and Dar Al Handasah.

Syed has skills and experience in Facility Management, Building Services Design, Industrial Engineering and Airport Systems. Syed delivers projects optimally meeting the requirements of clients using his varied experience in design, construction supervision and facilities

As a building services consultant, Syed has handled many prestigious projects including luxury hotel and resorts, business parks for TECOM Internet City and Media City Dubai, hospitals, shopping malls, industrial buildings and sports facilities in Middle East and India.

Syed had designed the HVAC system for two of the largest buildings with fabric tent roofs, viz. the Marina Mall in Abu Dhabi and the Cultural Centre at the Riyadh University and also designed one of the largest refrigerated warehouse.

E. Services offered

SpEC provides building services consultancy for design, pre and post-contract stages of construction projects. SpEC has the requisite skills to provide the following consultancy services in the field of building services:

- Feasibility studies.
- Turnkey design solutions from concept to detailed design.
- Tender documentation including design drawings and technical specifications.
- Tender evaluation.
- Value engineering.
- Peer review of third-party designs.
- Construction supervision management up to hand over to client.
- Sustainable energy efficient design and LEED Consultancy.
- MEP Infrastructure design.

All systems are designed in compliance with the latest international regulations. The design capability of **SpEC** includes the following building services:

- Solar PV grid connected systems design.
- Heating, ventilation and air-conditioning (HVAC).
- Plumbing and public health.
- LPG distribution.
- Fire protection systems.
- Fire detection, voice evacuation systems.
- Electrical distribution and special power systems.
- Back-up power generation and UPS power systems with N+1.
- Lighting, Specialist lighting, Façade lighting.
- Integrated building management systems and IP based converged solutions.
- Security Systems, i.e. CCTV, SACS, door monitoring, Alarm notification.
- AV/ELV systems for Digital Signage, PA/BGM, IPTV, AV for meeting rooms and ballrooms, Paging, Intercom systems etc.
- HITV and Room Management Systems for Hotels.
- Information and Communications Technology (ICT) including active and passive systems, infrastructure (structured cabling/FO cabling).
- Medical gas networks for Hospitals
- Nurse calls system.

Data Centres

- Tier T3, T4 data center with dual Redundant N+1, N+2 power distribution design for 24 x 7, 365 days operation with No single source failure.
- Humidity control, close control units.
- UPS selection, static transformer switches.

F. Membership and Achievements

Membership:

SpEC is a Member of U.S. Green Building Council (USGBC), organization for LEED rating system.



Achievements:

- Nominated for “MEP consultants of the year award UAE” 2007, 2008.
- Nominated for “MEP Innovation of the year award UAE”.2008
- Nominated for “Specialist Consultancy of the year award UAE” 2009
- Nominated for “Consultants of the year award Kingdom of Saudi Arabia 2009
- Nominated for “Specialist Consultant of the year Award and Project Manager of the year Award for year 2010”.
- Selected “One among the top 20 MEP consultants in the Middle East” as listed by MEP M.E and Construction Middle East publication in 2017 and 2018.

➤ **Speakers at MEP Middle East Conference 2008.**

Topic presented:

1. Building automation, Latest trends and ELV systems.

➤ **Speakers at 2nd Annual cost-effective Sustainable Design and Construction, 2008, International Conference at Abudhabi, UAE.**

Topics presented:

1. Energy management techniques for an enhanced ability to meet demands and stay in line with the market move towards a sustainable environment.
2. Latest water management design and material use to lower cost in building design.

G. Project list

SpEC has provided consultancy services for very prestigious projects in Middle East. **List of Middle East Projects-MEP, Fire services, ELV Design and Supervision**

Sr. No.	Project Details	Scope	Project value
A.	IT Parks and Office Buildings		
1	Dubai Design District (DDD), North, core and South buildings for TEECOM Dubai. 2.2 Million sq. feet fashion district consisting of 11 buildings.	Design and supervision	USD 114 Million
2	Zabeel Corporate IT Park (ZCP) at Oud Metha, Dubai for Rasis Time Developers. 4.2million sq. feet development having 5 No. Office buildings, 1 No. Hotel and serviced Apartments building and Shopping center	Design and supervision	USD 409 Million
3	Real Estate Training Institute at Health Care City for Sama Dubai.	Design and supervision	USD 3.5 Million
4	Emirates Call Center and Data Center at Dubai outsource zone for Emirates Airlines.	Design	USD 48.5 Million
5	BB office Tower for Deyaar Properties.	Peer Review	USD 49 Million
6	PRISM Office Tower at Business Bay for Dubai Properties.	Peer Review	USD 55 Million
7	One @ Business Bay for Omniyat Properties.	Peer review, redesign and supervision	USD 55 Million
8	Accor hotel, twin 50 Storied each office building and 5star Hotel building at Doha Qatar	Peer review and project management	USD 190 Million
9	Office tower at Al Barsha for Ghaith Saeed Khalaf Al Ghaith.	Design	USD 11 Million
10	RAK headquarters building for RAK Properties, Ras Al Khaima	Peer Review & Supervision	USD 19 Million
11	Dubai Mercantile Exchange (DME) Extension 4 th Floor at Dubai International financial city.	Design	USD 4.5 Million
12	LEED consultancy for Al Majal HQ, Ras Al Khaima.	LEED consultancy	USD 8.2 Million
13	Weather ford Training Center at ICAD, Abudhabi.	Design and supervision	USD 60 Million

B	Luxury Hotels		
1	Airport Le-Meridian Hotel Expansion, Dubai	Design	USD 35 Million
2	J.W.Marriott Hotel and serviced apartments, Erbil, Iraq	Design	USD 200 Million
3	Pangkor Laut Island – The World for Stars Dome Group.	Design	USD 110 Million
4	5 Star Hotel tower at Business Bay for Intercontinental Hotel Group-IHG.	Design	USD 33 Million
5	Jumeirah Beach Club – 05 for Dubai Properties.	Design	USD 22 Million
6	Hotel apartment at Al Barsha for Sheik Faisal Bin Khalid Sultan.	Design and supervision	USD 13.6 Million
7	4 Star Hotel building at Al Barsha for Landmark Group.	Design	USD 19 Million
8	Hilton Hotel at Malabo, Equatorial Guinea, Africa	Project Management	USD 150 Million
9	Pullman Hotel , 50 Storied Twin Tower at Doha, Iraq	Peer Review	USD 170 Million
10	35 Storied Al Fatah 5Star Hotel and Commercial Tower for Libyan Investment and development co at Benghazi, Libya.	Design	USD 100 Million
11	The Lebanon Island Project at Dubai World, for Mr. Wakheel Ahmed.	Design	USD 16 Million
12	Jumeirah Beach Park for Dubai Properties.	Concept Design	USD 55 Million
13	Aloft and Elements Hotel, Dubai Airport	Design	USD 60 Million
14	Aloft and Elements Hotel, Al Raffa Dubai	Design	USD 60 Million
15	TAJ Vivanta Hotel and Signature Residences Dubai	Design	AED 373 Million
16	Hilton Plaza Souk Al Kabeer Dubai	Design	USD 60 Million
17	Hilton Garden Inn Garhoud Dubai	Design	USD 60 Million
18	Taj Luxury Dubai Creek	Design	USD 60 Million
19	Mondrian Hotel and Apartments Burj Khaleefa Dubai	Design	USD 109 Million
C	Residential Projects		
1	750 apartments, 3nos. Residential towers, at Jabal ali Dubai	Design	
2	GF+48 Storied Residential Tower at Burj District, Dubai	Design and Supervision	USD 70 Million

3	3BM+GF+19 Storied Tower Burj District	Design	USD 40 Million
4	Living wall, Seventh Heaven & Ashjar living for Al Barari	Peer Review	USD 200 Million
5	Residential Building at Muhaisanah for Grand Properties.	Design	USD 11 Million
6	Labour Camp and Amenities Buildings at Jabel Ali -1, Jabel Ali – 2, Muhaisnah 2 nd and Al Quoz for Sama	Design	USD 163 Million
7	Residential and commercial bldg at Dubai Land for Dubai Duty Free.	Design	USD 272 Million
8	Group of 22 Villas at Jumeirah for H.E.Easa Saleh Al Gurg.	Design and supervision	USD 13.6 Million
9	Al Barari Lifestyle Villas and other villas	Design	USD 8 to 10 Million Each
10	Residential building at Al Raffa for H.E. Easa Saleh Al Gurg.	Design and supervision	USD 4.1 Million
11	G+2 Labour camp for Dubai Investment Park for Proscape LLC.	Design	USD 3 Million
12	Proposed Labour camp at Jebel Ali Ind for H.E. Easa Saleh Al Gurg.	Design and supervision	USD 9.6 Million
13	Villas for H.E.Easa Saleh Al Gurg.	Design and supervision	USD 1.75 Million
14	Twin 50 Storied 'Ozean Towers' at Dubai Waterfront for Tiger Properties.	Design	USD 217.5 Million
15	Villa at Palm Island for Mr.Uttham Chandani.	Supervision	USD 7 Million
16	Laya Residences at Jumeirah Village Circle	Design	USD 20 Million
17	Group of 59 villas for Al Barari – NEST Villas	Design	
D	Shopping Center Projects		
1	Shindaga Shopping Mall, Dubai.	Design and supervision	USD 20million
2	Oasis Shopping Centre Dubai, SZR.	Supervision	USD 109 Million
3	Jewelry Complex for Mahallati	Design	USD 19 Million
E	Industrial and other projects		
1	Ruwais Refinery Expansion for Takreer – Non process building at Ruwais, Abu Dhabi through the main consultant M/s.Derby Designs.	MEP design ETAP network study	-

2	Fertil – EPC Works for Non Process Buildings & Revamping of Existing Plant Building at Abu Dhabi through the main consultant M/s.Derby Designs.	MEP design ETAP network study	-
3	Qatar Petroleum – Fahahil Stripping Plant, Dukhan, Qatar.	Design	
4	Arabian Horse Stable for Mohd.Abdulla Al Gargawi Arabian Horse Centre.	Design	USD 13.6 Million
5	Sadia Chicken Factory – BRF food processing facility, Tawila port (KIZAD) Abu Dhabi.	HVAC design Energy Modeling, earthing design	-
6	Logistics facilities for RSA chemical warehouse at DLC, Dubai.	HVAC design	-
7	IKEA Warehouse at DWC	MEP Design	
8	Infrastructure for labour Camp and Amenities Buildings at Jabel Ali -1, Jabel Ali – 2, Muhaisnah 2 nd and Al Quoz for Sama Dubai.	Design	USD 163 Million
9	International Rugby Stadium for Emirates Airlines.	Design and supervision	USD 92 Million
10	Proposed manufacturing facility at ICCD Industrial area Abudhabi for Weatherford.	Design and supervision	USD 32.6 Million
11	Warehouse for Scientechinc at Jebal Ali for H.E. Easa Saleh Al Gurg.	Design and supervision	USD 9.6 Million
12	Proposed Mosque at Nad Al Sheba for 2500 people, Dubai.	Design and supervision	USD 13.6 Million
13	Solid Ready Mix Plant for Dubai Investment Park.	Design	USD 2 Million
14	Landmark Warehouse at DIC, more than 1million sq.ft	Design	
15	Bayer Pharmaceutical Lab, storage and factory	HVAC Design	
F	MARINA PROJECTS		
1	Anchor Marina for IGY Global/ATM, Palm Jumeirah	Design	Supervision
2	East Marina	Design	Supervision
3	Yacht Club Marina	Design	Supervision
4	DIFC Marina	Design	
5	Al Marsa Al Seef	Design	
6	Ferry Station, Dubai	Design	Supervision
7	Culture Village	Design	
8	Marasi Business Bay	Design	

List of Grid based Solar PV projects handled is as follows:

No.	Project Name	kWp	Owner
1	Light Industrial Unit-10 Phase 2	963.00	Jafza
2	Lease Office Buildings 4 &5	160.00	Jafza
3	Lease Office Buildings 6&7	160.00	Jafza
4	Lease Office Buildings 8-11	320.00	Jafza
5	Lease Office Buildings 12&13	160.00	Jafza
6	Lease Office Buildings 20&21	160.00	Jafza
7	Container Terminal Maintenance Buildings	865.00	DPA
8	Cool Store	352.00	DPA
9	Cold Store	1,017.00	DPA
10	Cruise Terminal-2	324.00	DPA
11	Ware House	1,764.00	DPA
12	Cruise Terminal-3	2,412.00	DPA
13	Light Industrial Unit-15	1,008.00	Jafza
14	Light Industrial Unit-10 Phase 1	1,116.00	Jafza
15	Light Industrial Unit-7a	1,044.00	Jafza
16	Light Industrial Unit-7b	1,080.00	Jafza
17	Light Industrial Unit-7c	972.00	Jafza
18	Light Industrial Unit-8a	1,080.00	Jafza
19	Light Industrial Unit-8b	900.00	Jafza
20	Light Industrial Unit-8c	720.00	Jafza
21	Light Industrial Unit-8d	720.00	Jafza
22	Light Industrial Unit-9	1,368.00	Jafza
23	Light Industrial Unit-12	1,872.00	Jafza

Moreover, **SpEC**'s key professionals have had varied design and execution hands on experience of many landmark projects that have come up in the Middle East in their previous occupations.

Hotels

- 70 Storeyed Grand Marquis Hotel, Dubai.
- 7 Star Hotel for Carlton Group, Qatar.
- Al Maha Desert Resort for Emirates Airlines, Dubai.
- Le-Meridian Al Aqqah Beach Resort, Fujairah.
- Marriott Hotel – Phase 2, Dubai.
- Movenpick Hotel, Dubai.
- Grosevenor house.

- Taj Exotica Resort and Serviced Apartments, Palm Island, Dubai.
- Business Bay Hotel for Jumeirah International, Dubai.
- Hotel at Marfa, Abu Dhabi.
- Hotel at Liwa, Abu Dhabi.

Shopping Malls

- Shopping Mall, Seeb, Oman.
- Marina Mall, Abu Dhabi.
- Shopping Malls for Lamcy Group, Dubai.
- Saks Fifth Avenue at Bur Juman Centre, Dubai.

Commercial Buildings

- Dubai Internet City, Phase – 1B & 1C and 2.
- Dubai Media City – Phase 2 and 3.
- Dubai Chamber of Commerce H.Q.
- Command Resi Building for HH Sheikh Mohammed Bin Zayed Al Nahyan,
- Jumeirah Beach Residence – Sector 6 (podium and 4 towers), Dubai.
- Executive Towers (podium and 11 towers), Dubai.
- Dubai Airport Free Zone – Phase 2, 3 and 4.
- New Engineering Centre for Emirates Airlines, Dubai.

Sports Facilities

- Dubai Sports City – Multipurpose Stadium, Cricket Stadium and Indoor Stadium.
- Khaleefa Stadium, Doha, Qatar.
- Club House, Abu Dhabi Golf Club.

Hospitals

- Hammad Hospital Expansion, Qatar.
- Creek Side Hospital for Welcare Group, Dubai.
- Dr. Moopens Group Hospital, Dubai.
- Accident / Emergency Trauma Centre, Rashid Hospital, Dubai.
- New Medical Centre Hospital for NMC group.

Airports

- Emirates engineering facility, Dubai International Airport.
- Emirates Airlines Head Quarters building and Crew Arrival/Departure Facility,.
- Main kitchen, Concourse 1, Dubai International Airport.
- Staff kitchen Concourse 1, Dubai International Airport.
- Food court, Concourse 1, Dubai International Airport.
- VVIP Pavilion, Dubai International Airport.
- Emirates flight catering for 120,000 meals per day.
- Emirates Aviation College and simulators, Dubai.
- Emirates crew training center and simulators, Dubai.
- Design Review, Terminal 3 & Concourse 2, Dubai International Airport.
- Sharjah International Airport Expansion.

Industrial Facilities

- MMI Warehouse, Dubai (largest air-conditioned warehouse in the UAE).
- Optical Disc Factory, Dubai & DVD Factory, Ras Al Khaimah.
- Emirates Flight Catering Facility (100,000 meals per day).
- District Cooling Plant for Tabreed, Dubai (22,000 ton capacity).

- Buildings and Workshops for Dubai Metals and Commodities Centre.
- Main kitchen for convention centre, Dubai.

Educational Establishments

- Cultural Centre at King Fahd University, Riyadh.
- Knowledge Villages, Dubai.
- Emirates Aviation College/Emirates Crew Training Centre, Dubai.
- Children's City, Creek Park, Dubai.
- Aga Khan Cultural Centre, Dubai.

H. Major projects

D3, Dubai Design District, Dubai, UAE



Value	:	USD 114million
HVAC tonnage	:	9056 TR
Electrical power	:	27.1 MW
Scope	:	MEP Design & Supervision

The latest State of the art Design and Fashion District of Dubai and will headquarter global brands. Latest technologies in MEP services are being used on this project and a completely environment friendly project meeting LEED standards.



Airport Le-Meridian Expansion Dubai. 5Star Hotel with 200 Additional Keys

Value	:	USD 35Million
HVAC tonnage	:	1,000TR
Electrical power:	:	5MW
Scope	:	MEP Design



A-Loft Al Raffa Hotel, Dubai, UAE

Value : USD 60 Million
HVAC tonnage : 1,200TR
Electrical power : 7MW
Scope : MEP Design



Garhoud 4 star Hilton Garden Inn hotel Dubai, UAE

Value : USD 60 Million
HVAC tonnage : 650TR
Electrical power : 3.6MW
Scope : MEP Design



Plaza Hilton Garden Inn at Al Souq Al Kabeer, Dubai, UAE

Value : USD 60 Million
HVAC tonnage : 1,180TR
Electrical power : 6.6MW
Scope : MEP Design



A-Loft Hotel & Element Serviced Apartments, Dubai, UAE

Value : USD 60 Million
HVAC tonnage : 1,220TR
Electrical power : 5.8MW
Scope : MEP Design



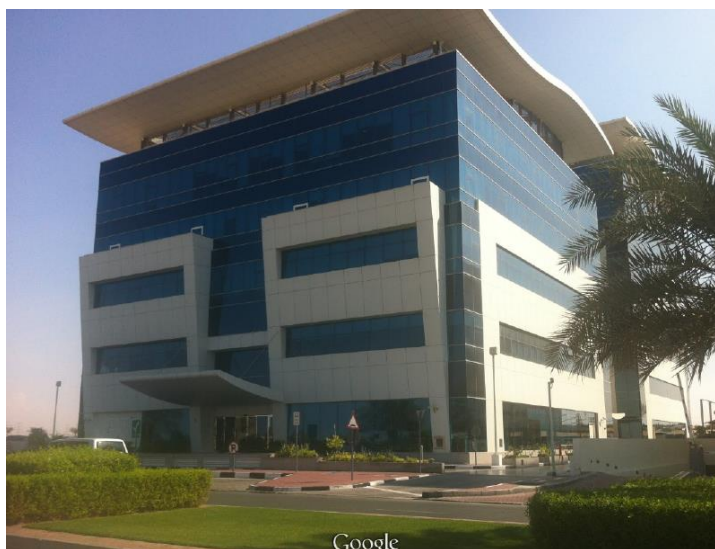
TRA Proposed Building at Al Mamzar, Dubai, UAE

Value : USD 65 Million
HVAC tonnage : 500TR
Electrical power : 3.2MW
Scope : MEP Design



Emirates Data Centre for Emirates Airlines at Dubai

Value : USD 48.5 Million
HVAC tonnage : 1500TR
Electrical power : 9MW
Scope : MEP Design



Data center and call center development designed for N+1, N+2 redundancies. Power system is backed up by 8nos. 400KVA UPS, 1500KVA diesel generators. Lighting design follows latest CIBSE LG7 standard.

Shindaga Shopping Mall for MAF, Dubai

Value : USD 20 Million
 HVAC tonnage : 1700TR
 Electrical power : 7MW
 Scope : MEP Design & Supervision



B+G+4 Storeyed Office Building at Abu Dhabi International Airport on plot P6-C2

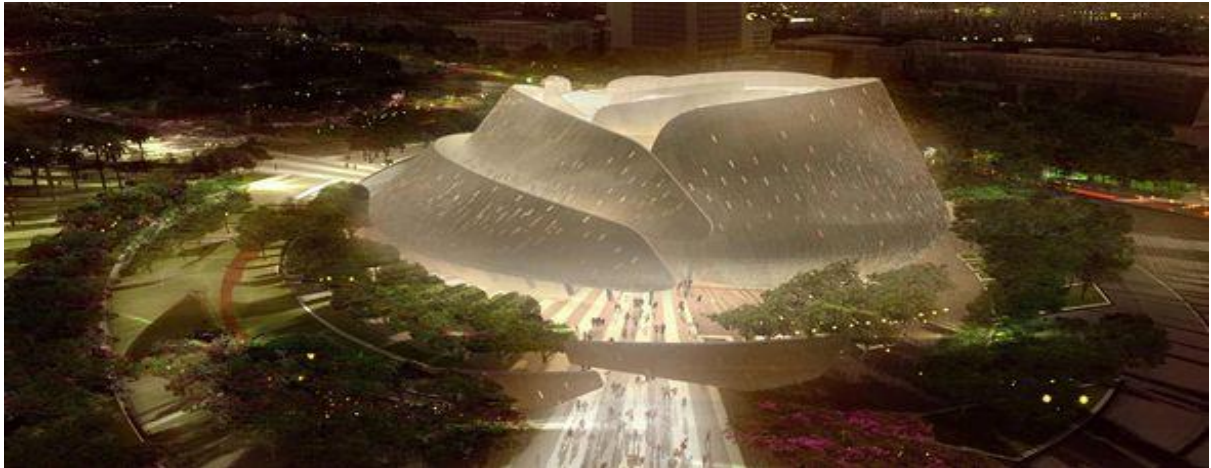
Scope : MEP Design
 Value : 53 Million
 HVAC Tonnage : 465TR
 Electrical Power : 2200kW



Massar Rose project, Damascus Syria

The Massar Children's Discovery Centre will be the heart of a Syrian educational programme. The centre will function through science-based, hands-on experiences and offer activities to empower young Syrians to contribute actively in building their future.

Scope : MEP design peer review



Citymax Barsha, 14 Storey 4 star Hotel Dubai, UAE

Value : USD 14 Million
HVAC tonnage : 1,200TR
Electrical power : 3.6MW
Scope : MEP Design



One @ Business Bay Dubai

Value : USD 54.5 Million
HVAC tonnage : 1550TR Electrical
Power : 5MW
Scope : MEP Redesign & Supervision
An intelligent 30 Storey office tower at Business Bay in which all ELV systems are converged using an IP based network system.



**Hotel & Residential Tower
Al Thanyah Fifth (Jlt), Dubai**

Plot area

39631 sq.ft. (3681.84 sqm.)

Estimated built-up area

855,488 sq.ft. (79477 sqm.)

Project cost

AED 373 million

Scope of work : MEP Design

Hvac tonnage : 2150tr

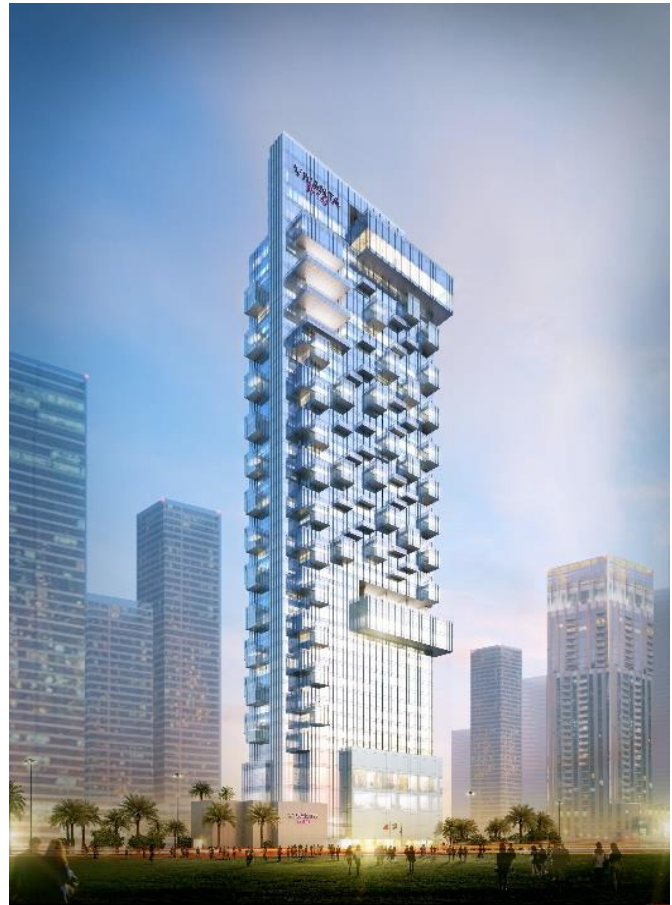
Electrical power : 7mw

Brief Description

The proposed development shall have 4 Basements + Ground + 2 Podiums + 44 Floors + 1 Rooftop Mechanical Floor. The project is divided in two distinct functions namely, Hotel & Residential.

The Hotel is proposed to have a 5 Star rating with around 201 keys including a Presidential Suite in addition to the standard guest rooms and suites.

The Residential Lobby is located on the ground floor which shall be flanked through a separate drop-off point for the residents separating both, the Hotel and the Residential entrances visually and physically, offering the much needed privacy and isolation from the Hotel Entrance. The reception lobby on the Ground Floor connects the residents to the apartments located on 20th to 42nd floors ranging from high end 2 Bed to 3 Bed, 4 Bed, 5 Bed Simplex and Full Floor Penthouse luxury apartments.



Al Barari Villas, Dubai, UAE

Scope : MEP Design & Supervision



Solar PV Projects:

SpEC are involved in the design of 23.4 MWp grid based Solar PV power generation in various parts of Dubai in line with DEWA DRRG initiative and Shams program.



MARASI Marinas, Business, Dubai

Scope: MEP Design



Nad Al Shiba Masjid for 2500 people, Dubai, UAE

Scope : MEP design



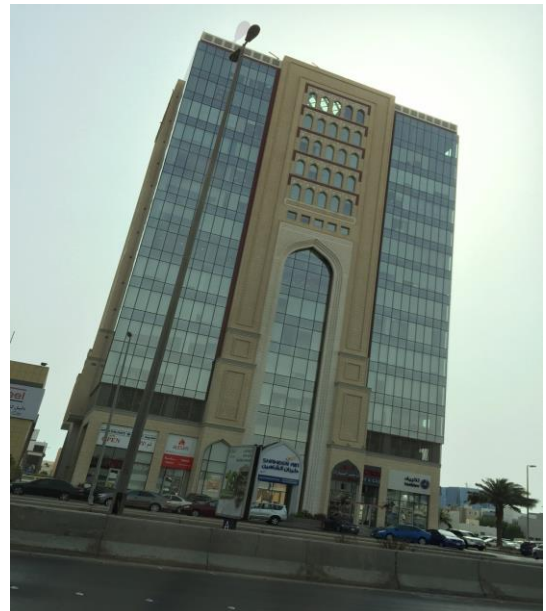
**Crown Tower at Jeddah,
Kingdom of Saudi Arabia.**

Value : USD 30 Million

HVAC Tonnage: 800TR

Power : 3MW

Scope : MEP Design



**5 star Hotel for Mr.Abdul Salam Rafi at
Business Bay, Dubai**

Value : USD 33 Million

HVAC tonnage : 1400TR

Electrical Power : 5MW

Scope : MEP Design



Anchor Marina, Palm Jumeira Marine facility for yachts in East and West, Dubai.

11 KV infrastructure design with substation on pontoons.



Marriott Hotel and Marriott Executive Apartment (MEA) at Erbil, Iraq.

Value : USD 110million
 HVAC Tonnage : 4,500TR
 Electrical Power: 16MW
 Scope : MEP Infrastructure Design



Zaabeel Corporate Park, Dubai.

Value : USD 409million
 HVAC Tonnage : 10,000TR
 Electrical Power: 36.6MW
 Scope : MEP Design



Pangkor Laut Hotel and Resort at Dubai World, Dubai

Value	:	USD 200 Million
HVAC Tonnage	:	4500TR
Power	:	16MW
Scope	:	MEP Design



The SEVENS - Emirates

International Rugby Stadium Dubai – Venue 2009 World Cup

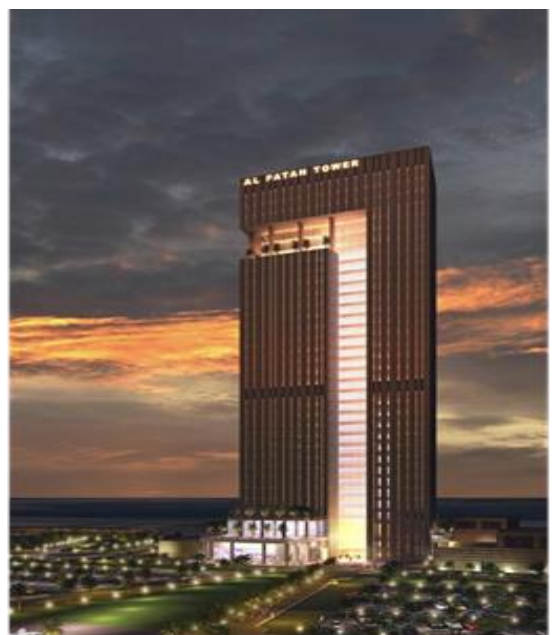


Value	:	USD 92 Million;	HVAC tonnage	:	800TR
Electrical Power	:	15MW;	Scope	:	MEP Design

G+32 Multiuse Tower Al Fatah Tower, Libya.

Value	:	USD 100 Million
HVAC tonnage	:	10,000TR
Electrical power	:	36.6MW
Scope	:	MEP Design

Multiuse offices, 5 star hotel, shopping facility.



Twin Tower 50 Floors at Doha, Accor Hotel.

Scope : Peer Review and MEP Project Management for HPM.

The project consists of 50 Storied Accor Hotel and 50 storied office development.



Hilton Malabo Equatorial Guinea.

Scope : MEP Peer Review and Project Management for 200 rooms five star hotel.



Pentominium Tower

120 storied tallest residential tower

Scope : Value engineering for complete MEP services.

Majority of the value engineering proposals were accepted and client could achieve substantial saving in their capital investment.



Landmark Warehouse at DIC Dubai
1million sq.foot warehouse

Value : USD 60 Million

HVAC tonnage : 1200TR

Electrical power: 7.5MW

Scope : MEP Design



PMHP Hospital, INDIA, 250 Bed Phase-1.



Value : USD 66million

HVAC Tonnage : 1350TR

Power : 4.5MW

Scope : MEP Design, ELV Design, BMS, NCS, Lighting Design

Jumeirah Community Village (JVC)
Laya Residence, Dubai.

Value : USD 20 Million

HVAC tonnage : 1200TR

Electrical power: 2.7MW

Scope : MEP Design



Weatherford Mena Training Centre Rigs, Ancillary buildings, Abu Dhabi.

Value	:	USD 60 Million
HVAC tonnage	:	2,000TR
Electrical power	:	22MW
Scope	:	MEP Design & Supervision



Weatherford Manufacturing Facility, Abu Dhabi.

Value	:	USD 32.6 Million
HVAC tonnage	:	1800TR
Electrical power	:	12MW
Scope	:	MEP Design & Supervision

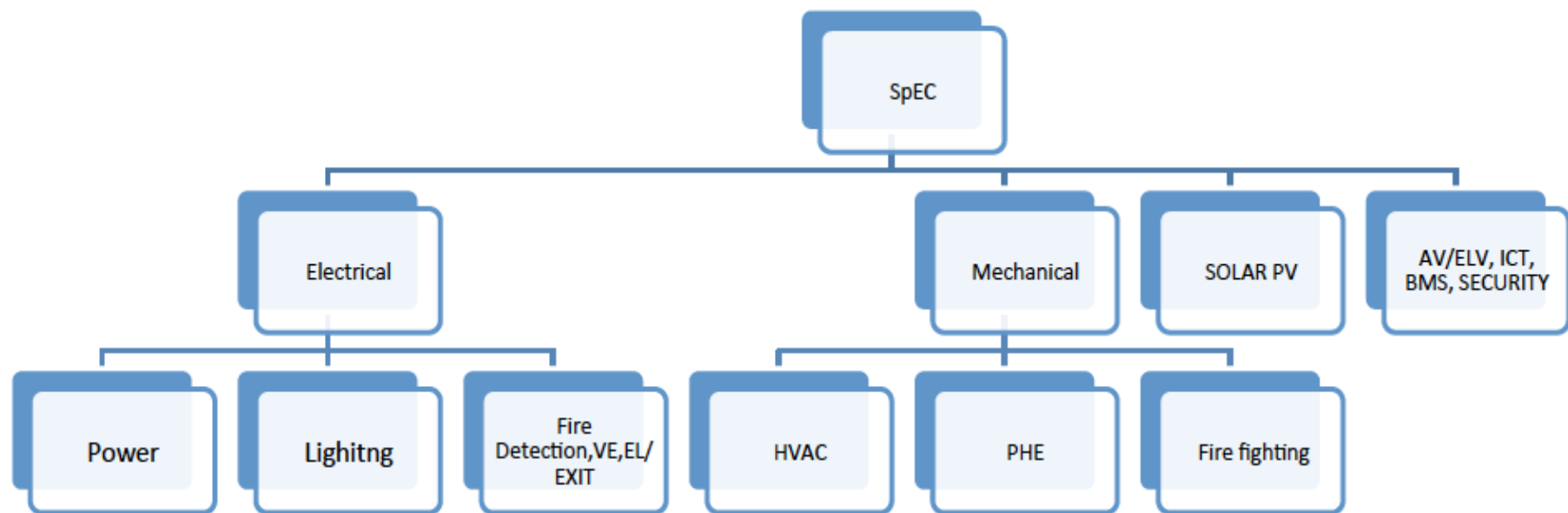


Brazil Food Company at Kizad, Abudhabi

Complete HVAC design and earthing calculation for the state of the art food processing plant for 500,000 Chickens per day



I. Organization Chart



J. The SpEC office

SpEC employs over 30 well-experienced building services engineering professionals. They use their varied experience to ensure that complex and fast-track projects are delivered to the required quality, time and budget. They use the latest engineering tools to produce precise calculations and equipment sizing.

The following design / drafting tools are used

- HAP for heat load calculations
- DIALux, Relux, Calculux, etc. for lighting calculations
- ETAP software for electrical system design
- AutoCAD for drafting
- BIM REVIT

SpEC's offices are fully equipped with server and latest workstations, plotters, wi-fi, network copier and scanner, etc.

SpEC has established associations with leading international consultants. These associations enable **SpEC** to take up challenging projects. Their expertise is utilised in areas like energy efficiency, Specialist Lighting, Multi-media systems, Specialist Hospital systems, Airport systems, Marinas, Landscape lighting, Solar PV etc.

K. Contact Details

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L. Press Release

TOP 20 CONSULTANTS

TOP 20

MEP CONSULTANTS

THE LIST

A consultant's primary role is to assist an organisation with certain areas of its work. To act as an educator, a resource, a facilitator, or simply put, a subject matter expert. And every organisation needs expert advice.

Therefore, it is essential to know some of the top performing consultants in the Middle East region. So we undertook the daunting task of compiling a list. Barring because there was too much information and, at the same time, too little information, the veracity of which needed to be challenged. There were some who did not participate in the process, did not return the questionnaire, or simply declined, for reasons of lack of data, data protection, or time constraints.

Deciding on a ranking from these challenges is therefore difficult and the results therefore suffer from a degree of subjectivity in among the verifiable facts. So in addition, we went a step further and got in touch with several top contractors for an informal second opinion, to know and

understand reviews from the people who work with consultants on a regular basis.

The questionnaire had several parameters for gauging different aspects of consultancy performance. And since there were so many parameters, a holistic approach was adopted to rank various players. We also had a look at historic data pertaining to the consultants involved in the list. The key point to keep in mind is that even to appear on the list is a significant achievement – a recognition of success – and I sincerely thank all the participants who took the time to fill out the comprehensive questionnaire.

We have managed to assess all the relevant information to hand to give our readers an overall perspective of the best consultants in the market. But please appreciate the relative subjectivity of our endeavour, and feel free to debate and challenge its conclusions. In short, the more the information, the better the ranking!



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MEP

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NOMINATIONS
NOW OPEN!

BIG INTERVIEW
INTERVIEW WITH
AL-FUTAIM ENGINEERING

CONFERENCE
MEP CONFERENCE
EVENT REPORT 2017

TOP 20

MEP CONSULTANTS

FIND OUT WHO MADE THE POWER LIST 2017

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ALSO INSIDE: FIRE AND SAFETY ROUNDTABLE

» SPECIALISED ENGINEERING CONSULTANTS (SpEC)

Specialised Engineering Consultants (SpEC) is a single-window building services consultancy organisation and its portfolio includes design and supervision of MEP lighting, ICT, firefighting, fire detection, AV/ELV, BMS, RMS, security access control systems and solar PV power generation. SpEC's expertise includes value engineering, peer review, and sustainable design.

SpEC commenced its operation in the year 2006 and went on to execute various complex projects in the Middle East, Africa, and India. SpEC is part of DEWA Shams Smart Initiative and one of DEWA's approved consultants for the design of grid connected Solar PV systems.

The projects handled by SpEC include hospitality and leisure facilities, resorts, high-rise commercial/residential buildings, convention centers, hospitals, food processing industries, shopping malls, educational institutions, telecommunication buildings/data centres, etc.

The founders of SpEC are engineering professionals with more than 25 years of extensive design experience individually in the construction industry and have been associated with many prestigious projects. SpEC employs high-calibre professionals including LEED Accredited Professional (LEED AP), Approved Security and Access control system engineer, AV engineers and DEWA approved solar PV experts to deliver projects to the required quality and utmost satisfaction of clients.

One of the projects handled in 2016 was the Dubai Design District (D3), for Tecom Dubai – a 2.2 million square feet fashion district consisting of

17

11 buildings. The project was worth over \$14m.

SpEC has used its expertise in BIM platform to design one of India's first modular MEP design for Meitran hospital, a modern hospital in India with 250 beds for LEF buildings which is currently due for handing over.

Airport Le-Meridien hotel was another project completed by SpEC and is in operation. SpEC has designed many other four to five star hotel projects, and industrial and marina projects recently. Managing partners, Syed Hamza and Syed Sabzada, say: "SpEC is always in the forefront matching the latest market demands and one of the first consultants to quality for DEWA Shams programme and currently involved in the design of 23.4MWp solar power generation in Dubai."

"SpEC invested heavily on adapting to latest design tools for a modular and sustainable design approach and have developed their design team for BIM Revit within the Dubai office."

"It has been a challenge when it comes to the integration of various services for projects like MEP, solar, AV, IT, ELV, BMS, short circuit analysis using eTap, modelling and security together and SpEC is successful to build up their own expertise to have a single platform where all these requirements and stringent design demands could be met."

SYED SABZADA (L) & SYRAB HAMZA (R)
Founding Members and Managing Partners

NUMBER OF YEARS IN ROLE: **11**
NUMBER OF YEARS IN COMPANY: **11**
NUMBER OF YEARS WORKING IN MIDDLE EAST: **26**



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» SPECIALISED ENGINEERING CONSULTANTS (SpEC)

The founders of Specialised Engineering Consultants (SpEC) are engineering professionals with more than 25 years of extensive design experience individually in the construction industry and have been associated with many prestigious projects.

SpEC employs a high-calibre staff including LEED accredited professionals (LEED AP), approved security and access control system engineers, AV engineers and DEWA-approved solar PV experts to deliver projects to the required quality and utmost satisfaction of clients.

Some of the MEP projects secured by SpEC are Aloft and Elements Hotels near Dubai Airport and Al Raffa Dubai, Taj Vivanta Hotel and Signature residences Dubai, TRA Head Quarters Extension Dubai, British Airways BAE Training centre Jeddah, American University extensions Dubai, and Peer review and Value Engineering of Lulu Mall at DSO and few major developments, etc., SpEC is a specialist consultant for Marinas MEP design.

Managing partners Syraj Hamza and Syed Sabzada say: "SpEC is always at the forefront matching the latest market demands and one of the first consultant to qualify for DEWA

SYRAJ HAMZA (L) AND SYED SABZADA (R)

Founding Members and Managing Partners

NUMBER OF YEARS IN ROLE: 12

TOTAL NUMBER OF YEARS IN COMPANY: 12

MIDDLE EAST WORKFORCE: 20 • MEP/BUILDING

SERVICES ENGINEERS: 10 • FEMALE STAFF: 2

Shams programme and the only consultant in Dubai involved in the design of 23.4MWp solar power generation in Dubai. We are actively participating in many solar projects

"SpEC invested heavily on adopting latest design tools for a modular and sustainable design approach and have developed its design team for BIM Revit within the Dubai office by providing appropriate training. This makes it better for coordination between services at the design stage itself. It has been a challenge when it comes to the integration of various services of MEP systems, AV, IT, ELV and BMS. We use the latest software for HVAC system, short circuit analysis using eTap, and lighting design. SpEC has been successful in building its own expertise to have a single source platform where stringent design demands could be met through their experienced expert staff with active involvement from the managing partners.

"SpEC has gained considerable expertise in design and installation of the first modular services installation at MEITRA Hospital Kerala India, by using the BIM platform where the services in corridors were fabricated separately and assembled at site, also all toilets pods were fabricated and assembled."

"SpEC invested heavily on adopting latest design tools for a modular and sustainable design approach."

