

Shady B. Zoghby

Mechanical Engineer (Building Services)

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 Place of Birth: Zahle
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Experience

- **Senior Design Engineer**
ERGA, Jan. 2022
- **Head of Department**
EMH Group, Jun. 2010 – Dec. 2021

MEP Design & Site Supervision: Tasks include:

- Lead a project design team of engineers and draftsmen
- Coordinate the MEP services with Project Architect/Structural Designers/Life Safety Third Party/Authorities...
- Quality Control over project deliverables
- Time Management to meet project deadlines
- Check and Approve Material Submissions, Shop Drawings, and Construction Schedules
- Inspect Executed Works
- Testing & Commissioning

Contracts & Proposal Preparation: Tasks include:

- Prepare Pre-Qualifications Documentation for Authorities and Potential Clients
- Acquire RFPs for construction projects
- Prepare Technical Proposals including Scope of Work, Resource Allocation, Methodology, Pre-Qualification, etc...
- Assess Project Resource, Cost, and Time requirements
- Prepare Over-all Project Organizational Chart and Planning
- Prepare Graphic Presentations for proposals, concepts, and offers
- Follow-up with tendering process, negotiations, and contracts settlements

- **Mechanical Engineer**
BUTEC, June 2009 – May 2010

Tasks Include:

- Prepare and Submit Shop Drawings and Material Submissions, including Technical Specifications compliance Sheets, and follow-up with project consultants for approval.
- Supervise site works execution and prepare Inspection Requests for consultants and related authorities for approval.
- Prepare Bill of Quantities, Follow-up on material procurement and project resource allocation.
- Testing & Commissioning
- Prepare and Submit As-Built Drawings, and O&M documentation.

Training

- **Project Management**
 - Project Management Professional (PMP)
- **Oil & Gas Industry**
 - Oil & Gas Hazard Awareness Certificate (*EPEC*)
 - Oil & Gas Safety Management Certificate (*EPEC*)
 - Safety & Environmental Management Systems (SEMS II) Certificate (*EPEC*)
 - Oil Offshore Oil & Gas Safety I (*OSHAcademy*)
 - Oil Offshore Oil & Gas Safety II (*OSHAcademy*)
- **Mechanical Engineer**
 - MEP Construction, Contracting, & Procurement
 - Climtech, June 2008 – May 2009*
- **Mechanical Engineer**
 - Sales & Execution (Renewable Energy Technologies)
 - Technosystems, June 2007 – May 2008*

Education

- **Diploma in Mechanical Engineering: Energy & Construction**
(Bachelor Degree with Masters I Equivalence)
 - Lebanese University, Faculty of Engineering, Branch II (Roumieh)
 - Grad. 2007 – 2008*
- **High School Diploma in General Sciences**
 - Secondary Evangelical School, Zahle
 - Grad. 2000 – 2001 with honors.*

Memberships

- **Order of Engineers & Architects (OEA), Beirut**
 - OEA# 33351
- **Lebanese Society of Sustainability Consultants (LSSC)**
 - Founding Member
- **Society of Development of Wind and Photovoltaic Energy (SDEEP)**
 - RET Consultant
- **The Chartered Institute of Building Services Engineers (CIBSE)**
 - Member

Technical Expertise

- **MEP Systems**
 - HVAC
 - Plumbing
 - Fuel & Gas
 - Fire Fighting
 - Air Treatment
 - Water & Wastewater Treatment
 - Compressed Air Systems
 - Vacuum Systems
 - Steam Systems
 - BMS, Monitoring, & Control
 - Irrigation Systems
 - Industrial Processes
- **Site Utilities & Infrastructure**
 - Water Supply (Well, Pumping Station, Distribution, Irrigation)
 - Water Evacuation (Sewer & Storm Network, Treatment)
 - Fire Fighting (Pump Station, Hydrant Network)
- **Sustainability & Renewable Energy**
 - Solar Water Heating Systems
 - Wind Generation Systems
 - Heat Regeneration Systems
 - LEED & BREEAM Certification
 - Photovoltaic Systems
 - Ground-Source Heat Pumps
 - NEEREA & Green Load Reports
- **Development & Real-Estate**
 - Due Diligence Property and Facility Condition Assessment (PCA/FCA)
 - Projects Feasibility and Market Analysis.
 - Facility and Property Management
- **Environmental Studies**
 - Environmental Impact Assessment (EIA)
 - Initial Environmental Examination (IEE) and Environmental Screening (EA)
 - Environmental Audit
 - Other Environmental Studies (Climatology, Hydrology, Flood Risk Assessment, etc...)

Skills

- **Languages:**
 - English : *Fluent*
 - Arabic : *Fluent*
 - French : *Fair*
- **Software:**
 - BIM & Drafting Software: **REVIT**, AutoCAD
 - Simulation Software: HAP, Elite , RETScreen
 - Presentation Software: MS Office, Adobe Photoshop
 - Planning Software: MS Project, Primavera
 - Engineering Calculation Software and Tools...
- **Professional:**
 - Engineering Design Team Leadership
 - Construction Project Management & Site Supervision
 - Quality Control & Time Management
 - Technical and Financial Proposals & Resource Allocation
 - Communication with Clients, Project Teams, Authorities, etc...

Selected Projects

<i>Healthcare Facilities</i>	Rasafa General Teaching Hospital (490 beds) Iraq
	Diwaniyya General Teaching Hospital (500 beds) Iraq
	Baaqouba General Teaching Hospital (500 beds) Iraq
	Ibn Sina General Teaching Hospital (600 beds) Iraq
	U.S. Army Core of Engineers Outpatient Medical Clinic Afghanistan
	Shekka Community Hospital Lebanon
	Balamand Teaching Hospital Lebanon
	Dallah Hospital Extension and Outpatient Building KSA
HHH (Hospital, Hotel, Healthcare Center) - Jeddah KSA	
<i>Institutional Facilities</i>	Lebanese Parliament Renovation Lebanon
	Canadian Embassy Renovation & Security Gate Lebanon
	Qatar Embassy Lebanon
	Lashkargah U.S. Army Training Range Afghanistan
	KAP-5: 44 Sites for the Ministry of Interior Affairs KSA
<i>PCA</i>	Rafal - Kempinsky Tower Riyadh, KSA
	Omnia Center Jeddah, KSA
	The Residence Compound Riyadh, KSA
	KAFD City Riyadh, KSA
<i>Educational Facilities</i>	Notre Dame School Auditorium Keserwan, Lebanon
	Antonine School Renovation Keserwan, Lebanon
	SABIS International School Abu Dhabi, UAE
	Shareborne School - Al Ebb Qatar

<i>Green Building / LEED / NEEREA</i>	Aya Tower Lebanon
	Zerock Headquarters Lebanon
	Beirut Waterfront Lebanon
	Fadel Building - Daoura Lebanon
	Ketteneh Tower Lebanon
	District /S Lebanon
	Beirut Water Front (Zaytouna) Lebanon
<i>Infrastructure</i>	Riyadh Metro - Line 6 KSA
	Bkher Residential Compound Lebanon
	Jannat Al Hussein City - Karbalaa Iraq
	Luseil City Qatar
	Hiyata Village Water Network Lebanon
	Bhamdoun Village Solid Waste Management Lebanon
	Areej Residential Development - Tyre Lebanon
<i>Residential Projects</i>	Byblos Sud Residential Compound Lebanon
	Landmark Highrise Tower Riyad, KSA
	Sustainable City Dubai
	Bkher Residential Compound Lebanon
	Jannat Al Hussein City - Karbalaa Iraq

<i>Industrial Projects</i>	Tripoly, Batroun, Jbeil, & Zahle Wastewater Treatment Plants Lebanon
	Mechariah, Djelfa, & Bayyada Wastewater Treatment Plants Algeria
	Abu Dhabi Battery Energy Storage Stations UAE
	Messaieed Battery Energy Storage Stations UAE
	Exxon Mobil - Qua Ibo Site Nigeria
<i>Environmental Studies</i>	American Embassy New Compound Lebanon
	DAMAC Towers Lebanon
	Exxon Mobil Qua Ebo, Nigeria
	Bchamoun Residential Compound Lebanon
	Ballouneh 110 Residential Compound Lebanon
	Boulevard Heights Tower Lebanon
	B-Central Tower Lebanon
	District /S Lebanon
	Bouyout Daroun Lebanon

Commercial Facilities**Doha Port Redevelopment - Marina District**

Qatar

Makarem Al Nakheel Hotel

KSA

Radamees Resort

Egypt

Hilton Hotel - Beirut

Lebanon

Hilton Hotel - Jabal Omar

KSA

ABC Dbayeh - First Extension

Lebanon

Tanios Hotel - Aley

Lebanon

Casino Du Liban – Renovation

Lebanon

Ro'Ma Hotel & Center

Lebanon

Kidzmondo - Beirut

Lebanon

Kidzania - Cairo

Egypt

Tahreer Tower

Iraq

Al Rashed Mall & Hotel

KSA

Vendome Malls & Hotels

Qatar

Rotana Hotel - Dammam

KSA

Summerland Kempinsky

Lebanon

Converse Stores

Lebanon - Jordan - Egypt

Nike Stores

Lebanon - Jordan – Egypt

Hamptons Inn

NEOM, KSA