

Shady B. Zoghby

Mechanical Engineer

Full Name: Shady Beshara Zoghby
 Nationality: Lebanese
 Date of Birth: 07/06/1983
 Place of Birth: Zahle
 Residence: Beirut
 Phone: 03 544 295 - 78 88 50 47
 Email: Zoghby.S@gmail.com
 Website: Zoghby.weebly.com

Experience

- **Head of Sustainability & Environmental Department**

SDT International, June 2011

MEP Design & Consulting: Tasks include:

- Lead a project design team of engineers and draftsmen
- Coordinate with client representative
- Coordinate the MEP services with Project Architect/Structural Designers/Life Safety Third Party/etc...
- Quality Control over project deliverables
- Time Management to meet project deadlines
- Tender Package Preparation and Follow-up on Tendering Process
- Prepare Technical and Financial Proposals

Site Supervision: Tasks include:

- Coordinate with Client Representative, Designers, Contractors, Third Parties, and Authorities
- Check and Approve Material Submissions, Shop Drawings, and Construction Schedules
- Inspect Executed Works
- Testing & Commissioning
- Prepare Technical and Financial Proposals

Sustainability & Energy Efficiency: Tasks include:

- Establish the Department Procedures and Processes to meet ISO 9001
- Apply for and Achieve certified pre-qualification from Ministry of Energy.
- Train and Lead engineers and improve department capacity and productivity
- Register and Follow-up Green Certification (LEED / BREEAM) projects from concept and detailed design, through the construction phase, to completion.
- Perform Energy Simulation, Energy Audits, and Energy Efficiency Implementation projects.
- Perform Water Conservation Value Engineering and Water Efficiency Implementation projects.
- Prepare NEEREA Green Loan Reports for Energy & Water Efficiency Projects in Lebanon, and follow-up with Ministry of Energy (LCEC authority) for approval.

Environmental Engineering: Tasks include:

- Establish the Department Procedures and Processes to meet ISO 9001
- Apply for and Achieve certified pre-qualification from Ministry of Environment.
- Train and Lead engineers and improve department capacity and productivity
- Prepare Initial Environmental Examination (IEE) and Environmental Impact Assessment (EIA) for construction projects, and follow-up with Ministry of Environment for approval.
- Prepare and Implement Environmental Management Plans for projects during construction and operation phases.
- Conduct Environmental Auditing

- **Head of MEP Department**

EMH Group, June 2009 – June 2010

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:

- 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**

BUTEK, June 2008 – June 2009

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 2007 – June 2008

- **Mechanical Engineer**

Sales & Execution (Renewable Energy Technologies)
Technosystems, June 2006 – June 2007

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.
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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
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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
 - GroundSource 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...)
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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
 - Quality Control & Time Management
 - Technical and Financial Proposals & Resource Allocation
 - Communication with Clients, Project Teams, Authorities, etc...

Selected Projects

Healthcare Facilities

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

Institutional Facilities

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

PCA	<p>Rafal - Kempinsky Tower Riyadh, KSA</p> <p>Omnia Center Jeddah, KSA</p> <p>The Residence Compound Riyadh, KSA</p> <p>KAFD City Riyadh, KSA</p>
Educational Facilities	<p>Notre Dame School Auditorium Keserwan, Lebanon</p> <p>Antonine School Renovation Keserwan, Lebanon</p> <p>SABIS International School Abu Dhabi, UAE</p> <p>Shareborne School - Al Ebb Qatar</p>
Green Building / LEED / NEEREA	<p>Aya Tower Lebanon</p> <p>Zerock Headquarters Lebanon</p> <p>Beirut Waterfront Lebanon</p> <p>Fadel Building - Daoura Lebanon</p> <p>Ketteneh Tower Lebanon</p> <p>District /S Lebanon</p> <p>Beirut Water Front (Zaytouna) Lebanon</p>
Infrastructure	<p>Riyadh Metro - Line 6 KSA</p> <p>Bkher Residential Compound Lebanon</p> <p>Jannat Al Hussein City - Karbalaa Iraq</p> <p>Luseil City Qatar</p> <p>Hiyata Village Water Network Lebanon</p> <p>Bhamdoun Village Solid Waste Management Lebanon</p> <p>Areej Residential Development - Tyre Lebanon</p>

<i>Residential Projects</i>	Byblos Sud Residential Compound Lebanon
	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

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