

### PROFILE

I have been working in the construction industry for more than 18 years in both consultation and construction supervision. This leads to extensive experience in this industry from various perspectives. I began my career in the well-known construction company "The Arab Contractors" which is one of the most leading contractors in the MENA region. As a mechanical engineer in the electromechanical design department, my responsibilities included the design, shop drawing and as-built preparation and approval, as well as tendering and material submittals of mechanical systems.

Therefore, I moved to SHAKER Consultancy Group (SCG) which is one of the most leading MEP consultancy firms in MENA region and one of the top 225 classified consultancy firms all over the world as per ENR.

I was participating in the team forming of one of the design groups in the firm, and for 5 years I was leading that design group working on multiple mega projects by coaching and mentoring to develop group members and for sake of group growth and sustainability. This design group specialized in healthcare facilities design, as we have designed more than 5M sq.m of healthcare facilities in the MENA region for different sectors (Governmental and Private). Currently, I am the MEP design manager of the Riyadh branch.

Since 2012, I have been involved in the establishing of LEED consultancy subsidiary "Sustainable Solutions" within the same holding group (SCG). My responsibilities included consulting on LEED projects , supervising construction , approving material and submittals , managerial part, offers and proposals preparation, and business development.

Since then, I have been working and collaborating with local and international consultants for both roles MEP and LEED scopes for various scale projects. projects.

### EDUCATION

Bachelor of Engineering (Mechanical Power Engineering Department- Helwan University) - May 2006

### KEY ACHIEVEMENTS

- Complete mechanical systems design for more than 50 healthcare facilities with different bed capacities vary from 120 to 1700 bed.
- Establish and Lead the mechanical design team to accomplish mechanical system design of 1700bed hospital projects, one in Riyadh and one in Jeddah.
- LEED Gold certification achievement of 4M sq.ft projects (The largest projects in Africa to be LEED Gold) including the full scope of LEED consultancy and LEED documentation.
- Acquire the skills and credentials in both technical and managerial domains and earn five certificates to demonstrate that competence.

### KEY PROJECTS

- Security Forces Medical City, Riyadh and Jeddah. This project contains many diversified buildings and applications with the core building "the hospital" with bed capacity of 1700 bed
- Mall of Egypt and City Center Alamaza, scope of Sustainability achieving LEED Gold certificate. The largest projects in Africa to be LEED Gold certified.
- Jawharat Riyadh and Jawharat Jeddah Mall projects as the MEP Design Manager achieving the success of projects' design and meet the Owner Program Requirements.

### BIO DATA

Date of Birth	: 10 December 1984
Place of Birth	: Cairo, Egypt.
Religion	: Muslim
Gender	: Male
Nationality	: Egyptian
Marital Status	: Married
Military Status	: Exempted
Mobile Phone	: <a href="tel:+201006215949">+20 100 621 5949</a> <a href="tel:+966532632833">+966 53 263 2833</a>
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Website	: <a href="http://Diaa-elgebal.com">Diaa-elgebal.com</a>

### LANGUAGES

- Native Language: Arabic
- Good Command of both written and spoken English

### SKILLS

- Team Leadership and mentorship.
- Problem solving.
- Decision making.
- Prioritization and time-management.
- Design management
- Interpersonal and analytical skills
- Team working spirit.
- AutoCAD / HAP / Microsoft office

### MEMBERSHIP

ASHRAE International Membership  
PMI Membership  
Egyptian Engineers Syndicate

### CERTIFICATES

- |                        |          |
|------------------------|----------|
| - PMI-PBA              | - PMI-SP |
| - PMI-ACP              | - PMP    |
| - PMI-RMP              | -        |
| - ASHRAE HFDP          |          |
| - LEED Green Associate |          |
| - Google PM Certified  |          |

# DIAAELDIN ELGEBALY

## MEP DESIGN MANAGER

### KEY QUALIFICATIONS

For more than 18 years, I have been holding diversified positions and responsibilities including design and construction supervision. Currently as MEP Design Manager, I am responsible for:

- Lead the design process across project's lifecycle from the initiating phase till the closure of the project.
- Create and follow-up the workflow process.
- Review and audit the design deliverables (mechanical part).
- Part of the technical interface team in the firm's KSA branch attending client meetings and coordination workshops.
- Working closely with projects' key stakeholders starting from the early stage, determine the different design concept till project's closure.
- Cooperating closely with project's internal and external stakeholders to achieve project success and meeting business needs.
- Be fully aware of the local and international codes and standards and have the well-understanding and interpretation of those codes to be followed and applied in the design process.

### WORK EXPERIENCE TIMELINE

<b><u>SHAKER Consultancy Group</u></b>	<b><u>May 2008 – Present</u></b>
- MEP Design Manager, KSA Branch	Jan 2023 - Present
- Mechanical Team Leader	Feb 2017 – Dec 2022
- Senior Mechanical Engineer	May 2011 – Jan 2017
- Mechanical Design Engineer	May 2008 – Apr 2011
<b><u>Sustainable Solutions, member of SCG</u></b>	<b><u>Jan 2012 – Present</u></b>
- Sustainability and LEED Consultant	
<b><u>The Arab Contractors Company</u></b>	<b><u>Jan 2007 – Apr 2008</u></b>
- Mechanical Engineer	Jan 2007 – Apr 2008

### TRAINING

#### **VRF Selection and operation methodology**

Location: CMidea Headquarter, Foushan. Guangzu, China

Time: October 2013

#### **Internal combustion engines and CNC machines**

Location: The Arab Contractors Company, Shubra Branch

Time: July 2004

### COURSES

#### **ASHRAE Winter Conference, Orlando, Florida-USA. Jan 2020**

1. Air-to-air Energy Recovery applications, Best practices
2. Laboratory Design, The basics and beyond
3. Designing and operating high-performing healthcare HVAC system
4. Principles of Building Commissioning

#### **ASHRAE CAIRO CHAPTER, EGYPT.**

5. District Cooling Plant Design and Operation, October 2020
6. Air Sys. Design Fundamentals, March 2008
7. Calculation of Heating & Cooling Loads, May 2007

#### **Subsidiary Engineers Syndicate-Cairo**

8. Fire Fighting Fundamentals, Mar2008

#### **The Arab Contractors Computer Center**

9. Primavera v3, Aug 2007
10. AutoCAD, Sep 2005

#### **Technology Competency Center**

11. Operating and Maintenance of Pumps, Aug 2006

#### **Faculty of Engineering– Helwan University**

12. Cooling Load Estimation & equipment selection, Aug 2005

PROFESSIONAL EXPERIENCE

MEP Design Manager, KSA Branch

from Jan 2023 to Present.

Duties and Responsibilities

- Lead the design process across project’s lifecycle from the initiating phase till the closure of the project.
- Create and follow-up the workflow process.
- Review and audit the design deliverables (mechanical part).
- Part of the technical interface team in the firm’s KSA branch attending client meetings and coordination workshops.
- Working closely with projects’ key stakeholders starting from the early stage, determine the different design concept till project’s closure.
- Cooperating closely with project’s internal and external stakeholders to achieve project success and meeting business needs.
- Be fully aware of the local and international codes and standards and have the well-understanding and interpretation of those codes to be followed and applied in the design process.

Projects:

- Jawharat Riyadh Mall, 400,000 sq.m total built up area.
- Jawharat Jeddah Mall, 220,000 sq.m total built up area.
- Mobily Data Center; Riyadh and Jeddah. Each has 1200 Racks.
- Neom Offices in NC1-High Density Expansion. New Headquarter for Neom, both buildings and infrastructure works.
- HMG Hospitals, four projects with bed capacity of 200beds each. Projects are located in Dammam, Jubail, Tabuk, and Madinah
- RADCARE Branches. Radiolgy Centers in different locations in Riyadh.
- Preparing the tender documents for ZATCA new land ports in four locations in KSA borders.
- Jeddah Biennale Galleries and Show rooms.

# DIAAELDIN ELGEBALY

## MEP DESIGN MANAGER

**Mechanical Team Leader, from Feb 2017 to Dec 2022.**

**Senior Mechanical Engineer, from May 2011 to Jan 2017.**

**Mechanical Design Engineer, from May 2008 to Apr 2011.**

**SHAKER Consultancy Group**

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### Duties and Responsibilities

- Leading mechanical design team mostly working on healthcare facilities design projects.
- Leading by example as one of the successful methodologies to lead, manage, coach, and mentor the team.
- Create and follow-up the work flow process.
- Resources loading and tasks assignment.
- Design guidelines preparation and work process standardization
- Life Cycle Cost Analysis studies and VE proposals
- Perform technical proposals.
- Review the construction documents prepared by the team.
- Shop drawings and submittal review.

**Healthcare Facilities Projects:** +40M sq.ft of total built up area and +10k bed capacity of designed healthcare facilities projects, the following is sample of those projects:

- SFMC Medical Campus in Riyadh and Jeddah. Each has bed capacity of 1700 beds in addition to the other diversified buildings/functions.
- Dr. Suliman Alhabib Hospitals (8 projects with bed capacity from 200 to 800 beds)
- Extension of Wadi ElNeel General Hospital, 400 beds.
- King Suad Medical City, 480 beds.
- Kuwait Cancer Center, 600 beds.
- Egyptian Ministry of Health Projects, 10 projects with bed capacity varies from 100 bed to 400 beds.
- Al Jaber Al Sobah Hospital (design review)
- Iraqi Ministry of Health Hospitals, 4 teaching hospitals with bed capacity varies from 120 to 400 beds.
- Samir Abbas Hospital in Jeddah
- 57357 CCHE Extension (two admin buildings and two medical buildings, in addition to the unique Proton Therapy building which is one of a kind in the globe.
- Magdi Yaqob Heart Center in Aswan.
- Katameiah international hospital
- Sky Medical Cetner, Cairo. Egypt.

### **Other Applications**

- Design of HVAC Systems for Sharm ElShiekh Airport Terminal 2 as part of the renovation.
- Design Review for Greater Cairo Metro Line 4.
- Citadel Plaza, mixed use complex
- Parking of wadi elneel hospital
- Mantrac CRC Workshop, Takoradi. Ghana.
- Faculties of Engineering and Pharmacy redesign and extension for 6<sup>th</sup> October University
- Qatar Foundation Education City, Research and Development Complex, Doha. Qatar.
- University of Dammam, Girls Campus.
- Emaar Uptown Cairo, Village D Azzure.
- Iraqia Univeristy Central Plant
- Security Border Camp, KSA.

Sustainability and LEED Consultant from Jan 2007 to Apr 2008. Sustainability Solutions (Member of SCG)

Duties and Responsibilities

- Managing the projects assigned to the sister company for the task of "Sustainability and LEED Consultancy".
- Perform LEED assessment reports.
- Perform feasibility study to assess which credits are feasible to be targeted and achieved.
- LEED Documentation on LEED online projects' directory
- Follow up with the project team to ensure compliance with the agreed workflow and outcomes.
- Attend coordination workshop with project stake holder to ensure that green building culture and strategy has been well communicated to the whole team.
- Construction supervision in terms of sustainability scope of works to ensure the compliance of purchased material and executed work to the targeted relevant credits.
- Material review and approval
- Lead the process with project's stakeholders.
- or mechanical works
- As built preparation and submission.

Projects:

- Mall of Egypt, LEED for Core and Shell v3. LEED Gold Certified.
- City Center Almaza, LEED for Core and Shell v3. LEED Gold Certified
- Zewail City for Science and Technology. LEED
- 57357 CCHE Extension. LEED for New Construction-Healthcare v3 under campus program.

In addition to working as mechanical team leader in many projects targeting the sustainability in general or LEED specifically and helping the project team to achieve the required sustainability goals during the design process in cooperation to the Sustainability Consultant assigned to the project.

Mechanical Engineer from Jan 2007 to Apr 2008. The Arab Contractors

Duties and Responsibilities

- Working the electromechanical design department of the company
- Mechanical System Design including HVAC Fire Fighting, medical gases, compressed air, and plumbing,
- Shop drawing preparation and submission in addition to review with the consultant to have mutual agreement.
- Construction supervision or mechanical works
- As built preparation and submission.

Projects:

- Esna Lock
- Cleopatra Plaza (mixed use towers)
- Helwan Military Factory
- Conference hall – Helwan Univeristy
- Development of Presidency Information Center in Abddin and Kobba Palaces
- Relocation of military Production Factories (27 and 45)
- Elmarag Potable Water Treatment Station

Other projects Done during this professional journey

- Alhram office building
- Beirut Court
- Fayoum hospital
- Educational buildings in Libya
- CIB Different branches
- Badr Electrical Substation
- Al Salam City mall
- Baha mall, in Baha. KSA
- 6<sup>th</sup> of October Mall
- Al Manjara Factory (furniture factory)
- Hotel in Libya
- Private residence compounds in Egypt, KSA, Egypt, and UAE
- Otham Ibn Affan Specialized Hospital
- Sharm Elsheikh Resort
- Saudi Cultural Center in Egypt
- Mote Royal Resort, Dubai. UAE
- Global Indian International School in Dubai. UAE.