

Holds a B. Sc. in Electrical Power Engineering and has over 18 years experience in Electro-Mechanical Engineering of commercial and residential, healthcare and industrial projects in Egypt, Saudi Arabia and Iraq.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 28/07/1979
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power Engineering, Alexandria University, 2004

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet
: Primavera P6
: Navisworks
: Elite
: HAP
: AutoCAD
: Revit MEP
: Dialux
: Schneider Ecodial
: CMMS software

TRAINING COURSES AND CERTIFICATIONS

: PMP – certified by PMI (2018).
: LEED Green Associate – certified by USGBC (2018).
: LEED AP BD+C – certified by USGBC.
: Six Sigma yellow belt (2018).
: Energy audit – IPA, Jeddah (2018).

- : Maintenance & reliability – certified by CMRP.
- : Training of Trainers – TOT Diploma.
- : OSHA 30 - Certified (2017).
- : HVAC Maintenance (2014).
- : L.V, H.V protection (2013).
- : Fire Fighting Design (2013).
- : Egyptian members of the Safety Committee (2013).
- : Industrial systems protection (2007).
- : Maintenance management, Eng. Syndicate (2006).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2022 till now
Employer : Egyptian Maintenance Co. (EMC) – Iraq branch
Project : EMC Housing Camp, Basra – Iraq
Job title : Electrical Construction Manager

Dates : From Jun. 2019 till May 2022
Employer : International Hospitals Construction Co. (IHCC)
Project : Saudi-German Hospital, Alexandria – Egypt
Job title : Electrical Construction Manager

Dates : From Apr. 2015 till Apr. 2019
Employer : Saudi Consolidated Engineering Company (Khatib & Alami)
Projects :

- The Institute of Public Administration (IPA), Jeddah – KSA
- King Abdullah Housing Project, Riyadh – KSA

Job title : Senior MEP Engineer

Dates : From Feb. 2008 till Apr. 2015
Employer : Falcon Power Systems
Project : Commercial & Industrial Projects in Egypt
Job title : Senior MEP Engineer

Dates : From Nov. 2004 till Sep. 2007
Employer : Electrical Castle Co.
Job title : Electrical Technical Office Engineer

Duties:

- Managing Execution of Electrical / MEP activities.
- Supporting the Project Manager and ultimately the Snr Project Manager in accordance with project Framework, Policies, Procedures and Guidelines.
- Ensuring the company's Project Support Office (Process) complies with Corporate Governance, and maintaining the Project Management aspect of the Framework, Policies, Procedures and Guidelines.

- Applying knowledge, skills, tools and techniques to Project Engineering activities in order to meet or exceed deliverables required from a project.
- To be responsible for assisting the Project Manager in his normal duties.
- Assist in managing the safety aspects during construction:
 - Assist with the conducting of Risk Assessments for construction activities.
 - Ensure site specific Safety, Health Environment (SHE) Requirements.
 - Mitigate risks.
 - Monitor and control risks.
- Assist with the initiation, defining and planning the project (Concept & Feasibility):
 - Attend and assist with Risk Assessments and Hazop meetings.
 - Assist with the developing of Project Schedules including millstones.
- Execute the project:
 - Verify the scope and specifications.
 - Obtain client approval of design and drawings.
 - Assist during the conducting of the Fabrication / Construction / Quality "Kick-Off" meetings. Ensure the fabrication, delivery, and construction of project within time and cost limits.
 - Assist with Quality Inspections.
 - Assist with the conducting of ongoing "Progress" meetings.
 - Assist with the conducting of ongoing "Feedback" meetings with the client.
 - Assist with the ongoing reporting on progress of projects.
 - Assist with the managing of the Cold Commissioning.
 - Facilitate training (Operation and Maintenance).
 - Assist the Construction Manager with Pre-Commissioning meetings.
 - Assist the Construction Manager with commissioning meetings.
- Assist in managing of project delivery with regards to time:
 - Manage resources effectively.
 - Plan resource effectively.
 - Maintain communication structures.
- Assist in managing of project delivery with regards to QA/QC for fabrication and construction:
 - Specify QA / QC requirements.
 - Conduct QA / QC inspections.
 - Manage Project Specifications.
- Assist in managing of project audits with regards to policies, procedures and systems:
 - Assist with site specific audits.
 - Implement audit recommendations for continuous improvement.
- Assist in managing of project delivery with regards to contractual issues:
 - Ensure that the Project complies within the legal framework established in the company.
 - Manage contracts.
 - Ensure compliance in terms of project Framework regarding

- contractual issues.
- Perform general aspects:
 - Assist in managing of the Project Team and related activities.
 - Perform a supervisory role.
 - Assist in managing of customer & client relationship (external, internal and cross discipline interfaces).
 - Contribute to Management Reports.
 - Develop employees / contractors.
 - Attend training sessions.
 - Arrange meetings.
 - Conduct meetings.
 - Attend meetings.
- Assist with the handover and close out of operations:
 - Assist with arranging of Hot Commissioning with the client.
 - Assist with the delivering of Critical Spares.
 - Assist with the provisional handing over of the project.
 - Assist with the conducting of Hand-Over meetings with the client.
 - Assist with the beneficial handing over of the project and issuing Beneficial Hand-Over Certificate.
 - Assist with the final hand over of the project and issuing Final Hand-Over Certificate.
- Follow up on fabrication, construction, installation and commissioning completion techniques for:
 - Electrical:
 - Main distributor SF6 medium voltage switchgear, RMU.
 - Package substation power transformers.
 - Diesel generator set and ATS.
 - Low voltage panels, MCCs, VFDs and UPS.
 - Cables trenches and duct bank.
 - Medium voltage cables laying, termination.
 - Low voltage cables laying, termination.
 - Telephone network (man holes, hand holes, FO cables).
 - Low voltage panels and pillars.
 - Water pumping and sewage station MCC and SCADA.
 - Fiber optic cables network between RMU and main substation (RTU communications)
 - Street lighting works (poles, cables, lighting panels).
 - Lighting fixtures and wiring devices.
 - Grounding and lightning system.
 - Server room preparation.
 - IP telephone and data systems.
 - MATV system.
 - IP CCTV system.
 - Nurse call system.
 - Fire alarm system.
 - Public address system.
 - BMS system.
 - Auditorium, Class rooms, computer labs, language labs,

- conference rooms and meeting rooms audio visual system.
- Sports facilities lighting and equipment's.
- SCADA system.

Mechanical:

- Kitchen hoods Ansul fire alarm and fighting.
- Stair well Pressurization fans.
- Smoke vent system works (ventilators and curtains).
- Elevators works.
- Firefighting pumps, sprinklers system and FM200 system.
- Chillers, CWP, AHUs, BCUs and FCUs.
- Child water pipes and duct system.
- Sump pits and lift stations.
- Central heaters and water pumps.
- Parking exhaust fans.
- Plumbing systems (cold, hot water supply and drainage system).

- Field of experience :**
- Maintenance and Facilities Management Instructor.
 - High experience on use and interrupt international and local codes IEC, NEC, NEMA, NFPA, SDCS, SDMS, DEWA.
 - High experience on use and interrupt international and local codes ASHRAE, ASTM, SMACNA, IBC, SBC.
 - Project Management qualifications:
 - Supporting project planning to deliver the project on time, within the budget and acceptable quality as per specifications.
 - Checking the respective trade project cost (cost to complete) with allotted budget, reporting higher management / commercial / estimation department cost trends in a timely manner.
 - Check for the options to propose good value engineering solutions on the designs which could mutually benefit all stakeholders, including a potential improvement to the budgeted profit margins.
 - Take lead in managing / coordinating with engineers and drafting team for the submission / approval of shop drawings, tracking progress by shop drawing register.
 - Liaising with authorities for approvals and having up-to- date knowledge on the current regulations and standards.
 - Good knowledge of contracts management, especially FIDIC.
 - Project risk identification, assessment and management.
 - Conducting regular meetings and site walks to coordinate activities and solve any raised problems.
 - Assets / Facilities Management qualifications:
 - Supporting the development and implementing maintenance activities in line with Company's work plans.
 - Ensuring that maintenance activities are carried out safely, efficiently and effectively.
 - Coordinating the execution of the maintenance activities ensuring the best use of resources and providing support to manage technical and contractual aspects.
 - Supporting field operations to determine any technical and/or operational aspects affecting the reliability and full availability of equipment/machinery of the plant and defining the corrective action

- to improve lifetime and reliability.
- MRO management for inventory to safe the required spare parts and consumables in cost effective manner.
- Experience in performing root cause failure analysis (RCFA), Failure mode effect and criticality analysis (FEMCA).
- Experience in quality management standards ISO, Asset management and OREDA standards.
- Monitor and control the work progress by evaluating the key performance indicators KPIs.
- Preparing periodical maintenance reports and using CMMS software.
- Competency:
 - Project Management.
 - High awareness of HSE policies.
 - Hazard area classification.
 - High awareness of ISO and HAZOP.