

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 12 years hands-on experience in MEP construction field (Design and installation). Has good engineering experience in Preparation, Reviewing of Electrical Shop Drawing, Site Execution and Supervision, Procurement, Estimation analysis, Cost Control, Material take-off and submittal processes. Follow up the MEP activities and coordination with other trades. Reliable Electrical Engineer with extensive knowledge of drafting and design and project management, familiar with all major engineering standards. Ensure that all construction activities are completed in the most effective and cost efficient manner possible. Electro-Mechanical Maintenance and Quality Control and Quality Assurance (QC/QA).

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/10/1987
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2009

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD program (design drawing, shop drawings (as built))
: MEP (REVIT)
: Ecodial – DOC – ETAB
: Dialux – Dialux evo
: Risk Assessment for lightning protection
: Power Spec Sizer of Generators

TRAINING COURSES AND CERTIFICATIONS

: Writing Skills.
: LEED AP.
: LEED Green Associate.

- : Alfamar Technical sessions.
- : Fire protection in Facade / Safe and tested solutions for perimeter fire barrier.
- : International Computer Driving License (ICDL) course.
- : Programmable Logic Control (PLC), A.D Panasonic (Ain Shams University) (Jun./Jul. 2007):
 - Study the classic control & digital control (relays, contactors, protection devises, LG PLC type, software, ladder diagram).
 - How programming PLC.
 - How the control system for any industrial process.
- : SCADA – PLC Advanced course, A.D Panasonic (Ain Shams University) (Jun./Jul. 2008):
 - How to program any types of PLC such as Siemens.
 - How the control system for any industrial process.
 - Brief notes about SCADA system.
- : Microcontroller Advanced course, A.D Panasonic (Jan./Feb. 2007).
- : Operation and maintenance of equipment, Arab Contractors Company (Sep. 2011): Thread revolves around how to maintain the equipment inside the system water treatment plants and sewerage such as maintenance of motors, pumps, operating panels and transformers and follow up of automated control systems.
- : Occupational Safety and Health Administration (OSHA), Arab Contractors Company (Dec. 2010): Thread is about how to protect people and tasks of public utilities within the work system and urges the importance of industrial security and steps taken so.
- : Training program to prepare and qualify engineer interview electricity, Arab Contractors Company (Mar. 2010): Session focused on how to prepare the engineer in terms of specifications and study contracts and how to deal with customers, whether the owner or contractor soles with rapid exposure to civil and electromechanical works.
- : Primavera program for work schedules for projects, Arab Contractors Company (Oct. 2011): Use the software in the work schedules for use in planning and project control.
- : ABB - Low Voltage Product - DOC Software Training Academy, ABB, Saudi Arabia.
- : Summer trainings at:
 - Egyptian Natural Gas Company (GASCO):
 - Study both types of process control systems as (SCADA – PLC – classic control, etc.) in actual projects.
 - The Egyptian Steel & Iron Company (A.R.E):
 - Study and design of AC machines, DC machines, etc.
 - Study the protection devisees.
 - Follow all operations control system inside factory.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2020 till now
- Employer** : Construction & Reconstruction CRC Dorra Company
- Projects** : EMAAR Mivida Compound (Lake and Beverage) & EMAAR Cairo Gate (Elan)

Job title : Technical Office Team Leader

Job Description :

- Reviewing and evaluating the key performance indicators, objectives, targets of the technical office team and provide recommendations for improved performance.
- Studying tender documents.
- Review design parameters of projects, coordinated with other Dept., follow's pricing, prepare cost analysis sheet's, follow's supplies quotation's as per vendor list.
- Collaborating with other departments to deliver complete solution to the customer.
- Attending the project meetings with the owner and the consultant for missing, contradicting and confusing issues.
- Coordinate with the project manager regarding work priorities and provide the technical office with the requirements that will help complete the work.
- Prepare shop drawing submissions, technical submittals and as built drawings for approvals.
- Prepare and follow up variation orders, cost estimation, project handling over.
- Handling technical communication with VIP customers.
- Issue and resolve project document issues/conditions.

Dates : From Jun. 2014 till Jul. 2020

Employer : Mohamed Turki Mott Macdonald Office for Engineering Consultancy, KSA

Job title : Senior Electrical Engineer (Design, Supervision & Technical Coordinator)

Job Description :

- Interfacing, managing and coordinating with Client & Contractor to communicate ideas to all stakeholders and problems solving.
- Design and fulfill LEED requirements.
- Follow up the projects with competent authorities for accreditation.
- Achieve and accomplish the mainly objectives of design and supervision:
 - Energy efficiency Investigation.
 - Medium and low voltage electrical network function, characteristic, design, control gear and their aspects.
 - Selecting and studying protection aspects.
 - PV solar system characteristic, components and its aspects.
 - Distribution transformers and diesel generation design.
 - Understanding and design of Power factor correction and harmonic filtering.
 - Design and installation of cable system.
 - Wiring Connections, Raceways and Boxes, Devices, switches and sockets.
 - Motor Solution Components, coordination's and Protection aspects.
 - Lighting systems (internal, exterior and façade) lighting.
 - Light current systems (Data, Telephone, Fire Alarm, CCTV, Access control and Public Address...etc.).
 - Guest Room Management System (GRMS).
 - Lightning Protection & Grounding systems.
 - Preparing Tender Documents of Projects including B.O.Q and Specification.
- Major Projects Handled:
Design, installation, Site Supervision and Technical Engineering

Services:

- Design, Site Technical Coordination, bidder's submittals reviewing and preparing shop drawings for Five Star Hotel High Riser Building (33 floors, 11MVA, with helipad, Operator: Movenpick, Total budget 450 Million S.R).
- Design, supervision, site technical coordination, bidder's submittals reviewing, preparing shop drawings and authorities approval and hand over for Dahuit Somou Gate Makkah Al Mukarramah (Infrastructure MV/LV, Communication, Street lighting and irrigation networks for area 1, 609, 712 m2, 90 Million S.R).
- Design, installation and operation for sultan tower 13th floors (commercial and administration building, 80 Million S.R).
- Saudi Arabian Monetary Agency (SAMA).
- Marine building at Jeddah Islamic Port.
- Jizan Laboratory for waste water treatment.
- Jizan Pump Station (250 Water and Sewage Treatment Pump Stations).
- ARR Airport (review drawings and submittals, technical support).
- King Fahd Port (MV Generators Station 50MVA).
- Tabouk and Al Wadjh gas turbine power plant (MV, LV, Related systems).
- Rayida College of Nursing.
- Water Front Multi Mix Building.
- MARAFIQ Administration Building.
- ZAHRAA Residential Compound.
- Villas for Turki Group.
- Jeddah Schools Complex.
- King Soud Street (Street, Tunnel and Bridge).
- Wadi Qoub (9KM Landscape Area).
- Mazola Factory (Basateen Foods Factory).
- Red Sea Cable Factory (MV Cable Factory).
- Binzager Factory (Factory for Insulation Materials) (LEED certification: Gold).
- National Petrochemical Industrial Factory.
- Ramky Factory (Development of Industrial Areas).

Dates	:	From Feb. 2010 till Jun. 2014
Employer	:	Arab Contractors Company, Egypt
Projects	:	<ul style="list-style-type: none">• EL SAFF (Sewage Treatment and Utilization of Forest Tree)• ATFEFH (Sewage Treatment and Utilization of Forest Tree)• ABNOB & ELFATAH (Water Treatment)• SODafa (Water Treatment)
Job title	:	Site MEP Engineer
Job Description	:	<ul style="list-style-type: none">• Management Duties:<ul style="list-style-type: none">- Study of tender documents.- Follow up the time schedule for the project.- Follow up and Supervision on the execution of mechanical and electrical works.- Follow up the quality and HSE plans.- Following up Purchase Requests / Orders of MEP materials with procurement dept. till the delivery to site.- Check technical submittals of suppliers and vendors.

- Preparing of material supply orders to vendors/ Manufacturers.
- Monitored the manufacture of electrical devices and operations to ensure compliance with safety protocols.
- Preparing of budgeted prices for quick estimations.
- Vendor's negotiation to achieve the best cost.
- Follow up the civil works which on relation with electromechanical Works.
- Follow up delivery of equipment to the site.
- Follow up erection of the equipment.
- Working plans for the erection works.
- Preparing of Final Technical Submittal for Client approval.
- Follow up handing over testing & commissioning.
- Technical Duties:
 - Review the design and prepare the shop drawings.
 - Coordinate with Relevant government authorities (consultancy, electrical company, National Water Company....etc.).
 - Installation of the electromechanical equipment's (RMU, M.V & L .V switch gears transformer, panels, Motors, ATS, UPS, Cables, Bus ways, pumps, valves, pipes and cable traysetc.).
 - Installation of the power measurement and control equipments (valves, motors protection, level meter inductors, flow meters, and pressure meters...etc.).
 - Installation of (MIMC) and control panels, and PLC systems.
 - Protection devices, control setting.
 - Installation of power and control cables and wiring.
 - Installation of lighting units and outlets.
 - Installation of lightning protection and grounding systems.
 - Installation of mechanical equipments as follow:
 - Preparing of Execution & As-Built drawings.
 - Operation and maintenance of the electromechanical equipments.

- Field of experience :**
- Design, Installation, Supervision, Estimation analysis, Material take-off and submittal processes of MEP systems for industrial, non-industrial, construction and infrastructure network activities.
 - Checking & approving submittals by contractors, QA/QC of works, coordination between various disciplines/contractors to ensure construction quality and design compliance.
 - Knowledge and understanding of green building practices and principles needed to support the use of the LEED green building program.
 - Knowledge of international and local best practices and building codes in design and delivery of large scale projects.
 - Applied Codes:
 - NEC, IEC, ANSI, ASHARE, CSI, IESNA, BS.
 - SECECO, NFPA, RC, ECP, LEED requirements.