

Holds a B. Sc. in Electrical Power Engineering and has over 20 years hands-on experience working in design field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/11/1977
Gender : Female
Residence : Currently Dubai, UAE

EDUCATION

: B. Sc. in Electrical Power Engineering, Ain Shams University, 2000

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D & 3D (2016)
: Revit 2016
: Primavera 3
: Ecodial
: Etap power station
: Simaris panel design software
: Relux
: Thorn
: Calculux
: Dialux
: Gensize

TRAINING COURSES AND CERTIFICATIONS

: MBA Certified with project management speciality from Swiss Business School (2020).
: LEED GA accredited professional from USGBC (2020).
: Local Leader for the Diversity & Inclusion Dept. in Cummins Middle East (2019).

- : Fewa Approved Consulting Engineer, UAE (2018).
- : DEWA approved Solar Energy Expert, Dubai – UAE (2017).
- : Project Management Professional (PMP), Cambridge Institute - Dubai (2016).
- : English (IELTS certified).
- : ICDL
- : Primavera 3 (AUC certified).
- : UK Professional Board Full Member Certified Professional Engineer in the UK Consulting Center (2010).
- : Revit 2014 from Kemet Academy.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2020 till Jun. 2020 (Temporary Contract for 6 months)
Employer : WSP Middle East, Dubai / Sharjah - UAE
Projects : Etihad Rail Project, ASTAD (Qatar), Sulaimania (KSA)
Job title : Senior Utility Engineer
Job Description :

- Worked in the infrastructure & Utilities Dept.
- Work included cable routing for medium voltage, low voltage and low current networks, load distribution demand calculation sheets on both the Medium voltage and low voltage sides in KSA project.

Dates : From Jul. 2018 till Jan. 2020
Employer : Cummins Middle East, Dubai - UAE
Projects :

- ALAIN Data Center with Etisalat & Huawei (UAE)
- Water Management Pump Station with Kuwait Oil Company & Al-Ghanim contracting company (Kuwait)
- Sabic Jubail main building project (KSA) with L&T Company
- Jebel Ali Power Station (K) with DEWA (UAE)

Job title : Lead Electrical Engineer
Job Description : Worked in the project design & implementation Dept.

Dates : From Jan. 2018 till Jul. 2018 (Temporary contract for 6 months)
Employer : Ehaf Consulting Engineers, Abu Dhabi - UAE
Projects :

- Office building project with Abu Dhabi Investment Council
- Administration building project in Dubai with Emirates Real Estate Corporation
- Electrical design of Marriot hotel RAK island
- Aquatic center in Abu Dhabi club for special needs project

Job title : Lead Electrical Engineer
Job Description : Worked in the Engineering Design Dept.

Dates : From Oct. 2015 till Dec. 2017 (Contract per project)
Employer : DC PRO Engineering Office, Sharjah – UAE
Projects :

- Najmat development mixed use building (22 floors) – Al-Reem island
- Crown Plaza hotel Dubai (24 floors)
- JVC tower (30 floors)

- Sharjah tower (46 floors)
- Dubai Marina gate shop drawing project with Al-Jabber Company (which consisted of 3 tower with (43), (57) & (44) floors with common base of (2) basements, ground, mezzanine and 6 podiums)
- Al-Hajj City project shop drawing project with Fouzan contracting company in KSA
- District cooling projects like Khalifah stadium, Al-Wakrah DC plant & Al-Rayhan DC plant projects in Qatar
- Tecom district cooling plant in Dubai

Job title : Lead Electrical Engineer

Dates : From Feb. 2012 till May 2015

Employer : Saudi Bin Laden, Cairo

Job title : Senior Electrical Engineer

Job Description :

- Leading a group of engineers and draftsmen for various projects in KSA i.e. King Faisal Specialist Hospital, King Abdel Aziz International Airport.
- Review design drawings, solve design problems and contradictions, prepare shop drawings using Revit software.
- Preparing load schedules, voltage drop and short circuit calculations.
- Prepare coordination drawings with mechanical, architectural and structural drawings.
- Follow up with site.
- Report any deviation from the approved drawings.
- Coordinate with relevant authorities on approvals and submissions when necessary.

Dates : From Oct. 2006 till Jan. 2012

Employer : EHAP, Cairo

Job title : Lead Electrical Engineer at Design Dept.

Job Description :

- Indoor and outdoor - site and road - lighting design using software programs (Dialux) according to CIBSE, IES codes.
- Preparing drawings using (AutoCAD, Revit MEP).
- Load flow design using (ETAP - Ecodial).
- Preparing calculation sheets for cables sizing, voltage drop, short circuit calculations - all according to the familiar codes (IEC, NEC).
- Cable routing.
- Earthing system design according to IEEE code and lightning protection system using (BS or NFPA codes).
- Fire alarm system, sound system, CCTV.
- Preparing of tender documents (drawings, cost estimation and bill of quantities).

Dates : From Oct. 2000 till Oct. 2006

Employer : ECG (Engineering Consultants Group S.A.), Cairo

Job title : Electrical Design Engineer for low voltage distribution projects

Job Description :

- Indoor and outdoor - site and road - lighting design using software programs (Dialux) according to CIBSE, IES codes.
- Preparing drawings using (AutoCAD).
- Load flow design using (Ecodial).

- Preparing calculation sheets for cables sizing, voltage drop, short circuit calculations - all according to the familiar codes (IEC, NEC).
- Earthing system design according to IEEE code and lightning protection system using (BS or NFPA codes).
- Fire alarm system, sound system, CCTV.

Further experiences : MEP Head Section in Orascom Construction Back Office (TCO), Cairo.

- Field of experience :**
- Senior Electrical Engineer, LEED Accredited Professional & MBA Certified, with over 20 years total experience - 5 years in UAE - with multinational engineering consulting, contracting and manufacturing companies, I have experience in electrical design projects in UAE, Qatar & KSA, worked in the building services for different types of projects covered the commercial, data centers, residential and & healthcare buildings and also worked in the infrastructure & utility services projects in both the medium voltage & low voltage systems. I have good experience in the project management field as well, participated in the determining the project budget, time planning, man hour rates and managing risks.
 - Main Responsibilities:
 - Develop concept designs, including all required drawings and reports, for projects of medium to high complexity for different types of projects like data centers, industrial projects, commercial, healthcare, and residential projects for both medium voltage and low voltage sides.
 - Knowledge of mission critical power distribution, UPS, PDU, MV & LV generators and redundancy requirements for data center projects as per Data center Tier Standard.
 - Strong cross-discipline knowledge of complete critical facility systems.
 - Strong trouble-shooting and analytical skills.
 - Ability to provide solutions to complex projects under pressure.
 - Effective written and verbal communications skills.
 - Familiar with Etap software for power system analysis.
 - Knowledge in data center practices (i.e. fault tolerance, cable routing, calculating power usage).
 - Leading the solar system design in many Dubai projects as an approved solar specialist engineer from DEWA.
 - Lead discussions with clients to determine criteria guiding design, including budget, preferences, etc.
 - Lead small team of junior engineers and draftsmen as required.
 - Choosing the qualified vendors based on the convenient product specifications.
 - Perform site visits as required to maintain the best quality and support the site team.
 - Managing project risks and applying the quality control policies and procedures.
 - Implement the corporate policies and procedures.
 - Essential knowledge of DEWA (Dubai), ADDC (Abu Dhabi), Kahrama (Qatar) & SEC (KSA) regulations, the international

standards NFPA, IEE, IEC, NEC & British Standard as well.

- Distinguished experience in load estimation, transformer & generator sizing, electrical room arrangement, cable routing layout, indoor and outdoor lighting design using Dialux & Dialux Evo software according to (CIBSE, IES codes), preparing drawings using (Autocad, Revit), cables sizing, voltage drop (BS 7671, short circuit calculations design(IEC 60909), circuit breaker coordination study using ETAP, Ecodial or SKM power tools software, relay setting calculation, UPS sizing, capacitor bank sizing, harmonic calculation & voltage dip calculation (IEEE519), Battery sizing calculation, earthing system design according to (IEEE 86/2000) and lightning protection system using (BS/IEC 62305) or NFPA, fire alarm system, public address system, CCTV.