

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 8 years hands-on experience working as Technical Office Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/07/1988
Gender : Male
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2011

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Dialux

TRAINING COURSES AND CERTIFICATIONS

- : Project Management (PRMG) Diploma (2/6) courses (ongoing), AUC (2014).
- : Green Building Design & LEED GA V4 Prep. Course, AUC (2013).
- : Electric Distribution Course (2011):
 - Lighting design (Interior lighting – exterior lighting – street lighting).
 - Mechanical loads power feeding and sockets distribution.
 - Panel boards design.
 - Cables design.
 - Voltage drop and short circuit calculation.
 - Earthing and lightning networks design.
 - Fire alarm design.
- : Training at ABB – Arab Company.
- : Summer trainings at:
 - Egyptian Contracting Company (SEDE) (summer 2010).
 - South Cairo Company for Electricity Distribution (summer 2010):
 - 1 week in El-Mokattam Training Institute, dealing with all grid

- elements in details.
- 1 week in El-Qalaa Distribution Substation, identifying departments, outside trips to recognize the distribution network components.
- Talaat Moustafa Group "Madinaty" (summer 2009):
 - Network of low & medium voltage.
 - Electrical installations.
- : Visits:
 - Zahfarana Wind Farm (Apr. 2010): 1 day tour to the station.
 - Elsewedy Cables (2010).
 - Segal-M (Apr. 2008): 1 day, identifying different types of circuit breakers.
 - Leoni Wiring Systems (2008).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2013 till now
- Employer** : HORSE ENGINEERING WORKS ALEX. - SUBCONTRACTOR COMPANY - Cairo, Egypt
- Job title** : Electrical Technical Office Engineer
- Job Description** :
- Multi-Project Management, High-Profile multimillion-Pound water infrastructure development projects, Project Budgets up to EGP 500M+.
 - Technical Office Engineer with main focus on water infrastructure and development, Potable water treatment plants, sewage water treatment plants, pump stations, water plant expansion.
 - Tendering (Pre-sale): Tender documents revision (Drawings, Specifications, Final Contract and Technical offer).
 - After-Sale (Bid Accepted):
 - Preparation of calculation sheets (Power, Short-Circuit, Cable C.S.A, Voltage Drop, Earthing and Lux).
 - Preparation of electrical single line diagram (S.L.D) for all plant.
 - Preparation of motor control center (M.C.C) for each building.
 - Preparation of electrical shop drawing for internal and external Cable Route (Power and light current) complete with installation details.
 - Preparation of electrical shop drawing for internal, external lighting and instrumentation & control system.
 - Preparation of electrical shop drawing for earthing, fire alarm and telephone system.
 - After been approved by the main owner Consultant:
 - Quantity survey for all electrical systems.
 - Material take off (M.T.O) from the approved drawings.
 - After reviewing the stock with the procurement department, preparing all the purchase orders.
 - Site problem solving during execution of electrical works by cooperating with the site manager and engineers.
 - Preparation of AS Built Drawings and submit it for approval for final project delivery.
 - Project commissioning and maintenance.
 - Impact & Key Wins::
 - Client Relations & Education.
 - Supply chain.

- Tender.

Employer : AAW Consulting Engineers & Partners (Dr. Ahmed Abdel-Warith) - Cairo, Egypt

Job title : Electrical Technical Office Engineer (Part Time)

Employer : ENVIRO CIVEC ENGINEERING COSULTING FIRM - Cairo, Egypt

Job title : Electrical Technical Office Engineer (Part Time)

Dates : From 2012 till 2013

Employer : ENOIA UTILITIES CONSULTING ENGINEERING - Cairo, Egypt

Job title : Electrical Technical Office Engineer (Contracted)

Job Description :

- Project Budgets to USD \$100M+.
- Accepted independent contract offered by company serving as consultant for Egyptian contracting company. Brought in to helm engineering design and technicality while assisting head office during a time of massive expansion into new regions including the Middle East and North Africa.
- Positioned Company for Successful Expansion through Competitive Project Proposals and Overseas Coordination.
- Selected Highlights:
 - Positioned company to gain edge over competition by completing electromechanical studies and project proposals ahead of schedule. Company was then able to reap bonus of early project submittal.
 - Addressed lack of E&I engineers for Design Engineering in both head office and North Africa branch as well as high need for instrumentation engine.
 - Shouldered extra work, completed all electromechanical studies ahead of timeline, and positioned company to attain expansion goals and success.
- Impact & Key Wins:
 - Overcame E&I engineers deficiency in Gr & NA.
 - Led engineering design & specification for electrical and instrumentation systems.
 - Geographical expansion.

Dates : From 2011 till 2012

Employer : Egyptian Contracting Company (Moukhtar Ibrahim) S.E.D.E. - Cairo, Egypt

Job title : Electrical Technical Office Engineer

Field of experience :

- Driven, efficient, and committed leader... leveraging nearly 10 years managing diversity of high-profile multimillion-Pound water infrastructure development projects and leading teams to execute quality operational developments in various geographic locations.
- Recognized for exceptional communication skills... where ability to listen to needs of stakeholders (creditors, directors, employees, government (and its agencies), owners (shareholders), suppliers, unions) and liaise between disparate groups including vendors, clients, subcontractors, and

other professionals is of paramount importance in maintaining safety, budget, and project deadlines.

- Offer a "whatever it takes" attitude... hinging on creative problem solving, cooperation, and high levels of technical knowledge acquired from depth of in-the- field experience complimented with dedication to professional development.
- Mega project expert... who shepherds complex projects to completion utilizing LEAN principles and keen ability to prioritize and plan effectively to keep teams on track with clear objectives and project timelines.
- LEADERSHIP PROFILE:
 - Multiple Industries: Manufacturing Design & Engineering, Water Infrastructure & Construction.
 - Expertly Leads Technical & Project Teams & Projects EGP 500M+.
 - Saved EGP 3.5M & 5 months Delivery Time in Sohag Gov. for Egyptian Contracting Company (Moukhtar Ibrahim) S.E.D.E.
- VALUE OFFERED:
 - Multi-Project Management.
 - Electrical Projects & Calculations.
 - Business Negotiations.
 - Lean Efficiencies.
 - Design Contributions.
 - Data Analysis & Interpretation.
 - Incident Management.
 - Risk Assessments.
 - Team Training.
 - Project commissioning.
 - Stakeholder Relations.
 - Operation Management.
 - Project Planning & Scheduling.
 - Tender & Supply chain.
 - Electromechanical Studies.
 - Client Relations & Education.
 - Hazard Identification.
 - B.O.T. PROJECTS.
- CAREER & PROJECT HIGHLIGHTS:
 - Contributed to success of EGP 500M "EL-OBOUR POTABLE WATER TREATMENT PLANT" project, through preparing power & cable C.S.A calculation sheet and follow up on Earthing, and cables routing.
 - Played a key role in redesign and deliver Earthing system for "NEW SOHAG POTABLE WATER TREATMENT PLANT" project Led to saving EGP 3.5M and solving a great dispute between Main owner "National Organization for Potable Water and Sanitary Drainage (NOPWASD)" & Main contractor "EGYPTIAN CONTRACTING COMPANY S.E.D.E".
 - Played key role in EGP 350M+ "IBNY BETAK POTABLE WATER TREATMENT PLANT" project by solving a voltage drop problem & cable routing.
 - Solving a pump motor failure incident on delivering "EL-SADAT

CITY POTABLE WATER TREATMENT PLANT" project in short period of time avoiding a penalty clause of EGP 2M.

- Tapped by consulting company to assist in massive global expansion efforts from Greece to North Africa and Middle East. Aggressively recruited due to stand-out performance and history as electrical technical office engineer.
- SOME OF PROFESSIONAL CLIENTS, ENTITIES:
 - Ministry of Housing, Utilities & Urban Communities.
 - National Organization for Potable Water and Sanitary Drainage (NOPWASD).
 - Egyptian Contracting Company "Moukhtar Ibrahim" S.E.D.E.
 - Arab Contractors.
 - New Urban Communities Authority.
- LIST OF SOME IMPORTANT PROJECTS:
 - El-Obour Potable Water Treatment Plant Capacity 400,000 m3 /day.
 - El-Ma'adi Potable Water Treatment Plant Capacity 400,000 m3 /day.
 - El-Sadat City Potable Water Treatment Plant.
 - New Sohag Potable Water Treatment Plant.
 - Ibny Betak Potable Water Treatment Plant.
 - Helwan Pumping Stations.
 - Banha Waste Water Treatment Plant.