

Holds a B. Sc. in Electrical Power Engineering and has more than 4 years hands-on experience working in design and technical office.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 09/08/1990
Gender : Male
Marital Status : Single
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power Engineering, Ain Shams University, 2013

LANGUAGES

Arabic : Native Language
English : Good
Chinese : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D
: Electrical AutoCAD
: Relux
: Dialux
: ETS 4
: Unity Pro
: CYTRIS
: Viper
: Scent
: MS Project

TRAINING COURSES AND CERTIFICATIONS

: Internship at KAHROMICA: Two months training (summer 2011) as Site Engineer at Cairo West Power Plant (Steam turbine).
: Electrical distribution course (from Aug. till Oct. 2014).

- : Automatic control, Schneider Electric (Jun./Jul. 2013).
- : PLC "Programming Logic Control", Schneider Electric (Jul. 2013).
- : SCADA, Schneider Electric (Jul. 2013).
- : PIC Microcontrollers industrial application, Je telecom Egypt (Oct. 2011).
- : Workshops:
 - Lighting design and Energy auditing session, Philips – 8 hours (Aug. 2013).
 - Generation Station design & operation process, Cairo West Power Plant (Aug. 2011).
 - Human Resource Management, Ain Shams University (Aug. 2013).
 - Social Media "LinkedIn", IRC, U.S Embassy, Cairo (Jun. 2013).
 - Career Development "CV-Writing, Interview and Career Ethics", IRC, U.S Embassy, Cairo (Jun. 2013).
 - Marketing and sales, Ain Shams University (Aug. 2013).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2016 till now
- Employer** : Electrical Engineer for supplying and contracting, Egypt
- Job title** : Electrical Project Engineer
- Job Description** :
- ALMAZA Military Airport:
 - Check medium voltage network, maintenance transformers and replace all suspensive parts.
 - Check low voltage network, load estimation for all buildings, maintenance and increase efficacy for low voltage panel.
 - Preparing load analysis for important building and install adequate generators.
 - Testing, commissioning and start-up 3 generators rating as (2/500, 170 KVA).
 - Powering ATS panel rating as (2/800 A, 400 A).
 - GAMMASA Electrical Network (20 MVA) - Master planning for Accommodation zones, GAMMASA social accommodation, Egypt. The project is comprised of four residential districts:
 - Zone 1 - 45 housing of electrical capacity (5 MVA).
 - Zone 2 - 44 housing of electrical capacity (5 MVA).
 - Zone 3 - 44 housing of electrical capacity (5MVA).
 - Zone 4 - 45 housing of electrical capacity (5 MVA).
 - The design includes the design of electrical substations and service buildings (e.g. schools, Mosque, Medical building...etc.).
 - Design Duties include:
 - Prepare design report, design methodology and Prepare the conceptual design for all buildings.
 - Leading the assigned teams to prepare the required documents to unify the electric design for the whole project and in all buildings.
 - Assist the design team to develop the schematic design as per owner request, provide all provision and facilities after co-ordination with the other departments.
 - Cable size calculation cable scheduling & its route selection.
 - Medium voltage network design (Load estimate - Cable routing - Single line diagram).

- Low voltage network design (Cable routing - Single line diagram).
- Street lighting calculation.
- Submit all calculation, Data sheets as per SEC regulations.
- Executive Duties include:
 - Supervise the electricians in handling all electrical works considering the safety and quality requirements.
 - Updating the drawing depends on site condition.
 - Updating of material stock.
 - Coordination with different workers team, Manpower control and solve the problem.
 - Installation low and medium voltage cable.
 - Preparation and testing electrical room (Transformer 1MVA/RMU/LVP 2000KVA) (Transformer 0.5MVA/RMU/LVP 1000KVA).
 - Testing low voltage network cable by using mugger and TDR 510.
- GHARB SOMEED (6TH October City).
- Electrical work at Ain Sokhna road: Testing medium voltage cables by using Mugger and TDR 510.
- EL-MOKHABRAT Compound (150 Arpent), 6TH October City, Egypt:
 - Prepare Shop Drawings, Technical Support, Material Submittals, and Material Orders at optimum cost (LV. CABLING, MV. SUBSTATION, PANEL-BOARDS, CABLE MANAGEMENT, LIGHTING, EARTHING & LIGHTNING SYSTEM).
 - CALCULATING SHORT CIRCUIT CURRENT, VOLTAGE DROP, CABLE SIZE USING DERATING FACTOR, ELECTRICAL LOAD OF PROJECTS, PROPER CIRCUIT BREAKER SELECTION, DESIGN & DRAW PANEL BOARDS SCHEDULE & SINGLE LINE DIAGRAM.
- DORET EL-KARZ (20 MVA), New Cairo, Egypt. The commercial and residential development consists of luxury villas, large family villas, villas, townhouses (2, 4 and 6-plex units), apartments, retail centers, commercial office towers, sports and health center, and community facilities.

Duties include:

 - Medium voltage network design (Load estimate - Cable routing - Single line diagram).
 - Low voltage network design (Cable routing - Single line diagram).
 - Street lighting calculation.
 - Developing designs related to lighting systems, power systems, panel schedules, cable sizing, lighting and power distribution drawings for the project different buildings.
 - Submit all calculation, Data sheets as per EDC regulations.
- Mohamed Naguib' Military Base - Upgrading medium voltage network for military base included 37 ring main units:
 - Upgrading 15 Ring Main Unit, cable termination and earthing system for medium voltage side and transformer side.
 - Supplying and installation 22 Ring Main Unit, cable termination and earthing system for medium voltage side and transformer side.
 - Maintenance 4 generators and startup by loading.

Dates : From May 2014 till Dec. 2015
Employer : Optical Technology Company, Egypt
Job title : Process Engineer
Job Description :

- Prepare product and process reports by collecting, analyzing, and summarizing information and trends.
- Assessing the availability of raw materials and the safety and environmental impact of the plant.
- Managing the cost and time constraints of projects.
- Develop and implement process improvement strategies.
- Work with multi-functional team to achieve project goals.
- Evaluate current processes and provide recommendations.
- Analyze and troubleshoot process problems so as to make continuous and permanent improvements.
- Recommend new ideas and techniques to ensure project success.
- Designing and testing new production units, monitoring modifications and upgrades, and troubleshooting existing processes.

Dates : From Jul. 2013 till May 2014
Employer : Yathreb Office for Consulting & Designing, Egypt
Job title : Electrical Project Engineer
Job Description :

- Perform the lighting calculations, prepare the electrical plans & single line diagrams, Cables & breakers sizing.
- Prepare Shop Drawings, Technical Support, Material Submittals, and Material Orders at optimum cost (LV. CABLING, MV. SUBSTATION, PANEL-BOARDS, CABLE MANAGEMENT, LIGHTING, EARTHING & LIGHTNING SYSTEM).
- CALCULATING SHORT CIRCUIT CURRENT, VOLTAGE DROP, CABLE SIZE USING DERATING FACTOR, ELECTRICAL LOAD OF PROJECTS, PROPER CIRCUIT BREAKER SELECTION, DESIGN & DRAW PANEL BOARDS SCHEDULE & SINGLE LINE DIAGRAM.

Field of experience :

- Execute electrical designs by developing the approved architectural concept to technical feasible designs in compliance with relevant international codes (IEC, IEE, BS, NEC, CIBSE, IESNA, Kahramaa, SEC).
- Manage the workload of a team of Senior, junior engineers & draftsmen.
- Prepare relevant BOQ & specifications.
- Proposal work load estimate.
- Bidding evaluation & Review the contractor deliverables (shop drawing/material submittals).
- Preparing technical reports & assessments, presentations and meetings with clients.