

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 2 year2 hands-on experience working in design and installation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/04/1991
Gender : Male
Marital Status : Single
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2014
: Secondary Education: Al-Orman Experimental Language School

LANGUAGES

Arabic : Native Language
English : Excellent
German : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet
: PVSyst
: SMA Sunny Design
: PVSol & PVWatt
: VEConfig (Victron Energy)
: AutoCAD 2D
: Google SketchUp
: Zelio soft (Schneider Electric Basic Automation)
: Vijeo Citect (Schneider Electric SCADA)
: Unity Pro (Schneider Electric PLC Programming)
: 7-Step Microwin (Siemens PLC Programming)
: WinCC (Siemens SCADA)
: Visual Basic
: Matlab
: MikroC
: Proteus

TRAINING COURSES AND CERTIFICATIONS

- : Automation Diploma (Classic Control, PLC, and SCADA), Schneider Electric (Aug. 2012).
- : International Products Training, KACO Newenergy GmbH, Neckarsulm (Germany) (Mar. 2016).
- : Solar Pumping Diploma, IAREEE Egypt, Cairo (Egypt) (Feb. 2015).
- : Solar Products Training, Schneider Electric, New Cairo (Egypt) (Dec. 2016).
- : Summer training in Khalda Petroleum Company (Aug. 2011).
- : Summer training at The Arab Contractors Company (Aug. 2010).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2016 till now
Employer : Elsewedy Power S.A.E. (Subsidiary of Elsewedy Electric), New Cairo
Job title : Solar Energy Projects Engineer
Job Description :

- Photovoltaics:
 - Solar site assessment and analysis.
 - Design of PV parks and line diagrams.
 - Simulations and analysis using PVSyst.
 - Construction supervision and reporting.
 - Creating BoMs and shortlists of manufacturers.
 - Supervision of Installation, commissioning and testing.
- Electrical:
 - Shop drawings.
 - Sizing of cables, transformers, breakers ...etc.
 - Short circuit analysis.
 - Fault analysis and maintenance.
- Management:
 - Manage Logistical plans and supply schedules.
 - Preparation of RFPs and RFQs.
 - Data consolidation.
 - Contacting EPCs and negotiations.
 - Due diligence activities.
 - Preparation of projects schedules and milestones.
 - Revision of EPCs tender submittals.
 - Preparing costing sheets.
 - Man force management and evaluation.

Dates : From Jan. 2015 till Jul. 2016
Employer : Cairo Solar, New Cairo
Projects :

- 100 kWp commercial on grid station in Aswan – Ganoub Alwadi Company
- 125 kWp (5x25 kWp) commercial off grid station in Sinai – Armed Forces
- 60 kWp (2x30 kWp) commercial off grid stations in Minya Governorate
- 10 kWp commercial on grid station in Minya Governorate
- 21 kWp commercial on grid station in 6th of October – Practical Arts Institute
- 14 kWp commercial on grid station in 6th of October – Masjid Alrahman
- 3 kWp signage off grid station in Cairo – Heliopolis – The United Bank

- 3 kWp residential off grid station in 6th of October – Karma Compound
 - 5 kWp residential on grid station in North Coast – Long Beach Resort
 - 11 kWp residential on grid station in New Cairo – Mirage Compound
 - 5 kWp residential on grid station in New Cairo – Mountain View Compound
- Job title** : Chief Engineer
- Job Description** :
- Photovoltaics:
 - Solar site assessment and analysis.
 - Design of PV small scale power systems and line diagrams.
 - Construction supervision and reporting.
 - Creating BoMs and shortlists of manufacturers.
 - Supervision of Installation, commissioning and testing.
 - Electrical:
 - Shop drawings.
 - Sizing of cables, transformers, breakers ...etc.
 - Short circuit analysis.
 - Management:
 - Manage Logistical plans and supply schedules.
 - Data consolidation.
 - Contacting EPCs and negotiations.
 - Preparation of projects schedules and milestones.
 - Preparing costing sheets.
 - Man force management and evaluation.
- Dates** : From Nov. 2014 till Jan. 2015
- Employer** : Cairo Solar, New Cairo
- Projects** :
- 6 kWp residential on grid station in New Cairo – Katameyya Heights Compound
 - 10 kWp residential on grid station in New Cairo – Mirage Compound
 - 10 kWp residential on grid station in New Cairo – Mirage Compound
 - 16 kWp residential on grid station in New Cairo – Mirage Compound
 - 4 kWp signage off grid system in Cairo – Downtown – The United Bank
- Job title** : Design & Installation Engineer
- Job Description** :
- Site survey and resources assessment.
 - Design of PV power systems (on-grid, off-grid and hybrid).
 - Preparing shop drawings.
 - Preparing feasibility studies.
 - Installation and construction of PV power systems.
- Dates** : From Jul. 2014 till Nov. 2014
- Employer** : Power House
- Project** : 26 kWp commercial on grid station in 6th of October – Power House HQ
- Job title** : Renewable Energy Engineer
- Job Description** :
- Site survey and resources assessment.
 - Design of PV power systems (on-grid, off-grid and hybrid).
 - Preparing shop drawings.

- Field of experience :**
- Renewable Energy Generation Field:
 - Studying tender/project documents.
 - Conducting "Road survey", "Site survey".
 - Selecting consultants for various studies (geotechnical, topographical, environmental...).
 - Selecting, hiring, and managing measurements' campaigns.
 - Perform solar resource assessment.
 - Performing the conceptual design for PV Power Plants.
 - Making energy production/yield calculations.
 - Sizing and selecting all system components.
 - Designing the Balance of Plant "BoP" including:
 - Short Circuit Calculations.
 - Voltage Drop Calculations and LV/MV Cables' Sizing.
 - Primary and Secondary Switchgear Selection.
 - Preparing the preliminary BoM for structures and civil works.
 - Preparing Technical Feasibility Studies for Projects.
 - Preparing Complete Technical submittal.
 - Projects' planning including: Project Scope, Detailed Costing, Implementation Schedule, Communication Plan, Risk Management Plan, Procurement Plan, and HR Plan.
 - Preparing Complete Commercial study.
 - Contract negotiation and finalization with suppliers/subcontractors.
 - Managing the project construction.
 - Energy Distribution Field:
 - Complete design of LV and MV switchboards with all the needed protection, control, measuring, and monitoring devices ensuring the highest quality and the optimum cost.
 - Perform short circuit, voltage drop, and selectivity studies for networks and heat dissipation calculations.