

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 6 years hands-on experience working as Design & Site Engineer.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 28/06/1989  
Gender : Male  
Marital Status : Married  
Residence : El-Zaiton, Cairo

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2011  
: El Qoba Secondary School, 2006

## **LANGUAGES**

Arabic : Native Language  
English : Very Good  
German : Basics

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD 2D  
: Dialux  
: RETscreen  
: PVsyst  
: Sketchup 3D & Skelion software

## **TRAINING COURSES AND CERTIFICATIONS**

: Solar PV Design, Code, Economics, and Site Visits, Certified from Heat Spring E-learning, Egypt (2018).  
: Silicon PV Panels, Certified from Heat Spring E-learning, Egypt (2018).  
: Project Management (PMP) – Certified from Brooklyn Academy, Egypt (2017).  
: OSHA - Safety of Construction Industry, Egypt (2017).  
: Operation & Maintenance of Solar power plants – Jordan (2016).  
: Primavera, Egypt (2016).

- : Renewable Energies Workshop - Fraunhofer Institute, Egypt (2014).
- : Summer School of Renewable Energies - Bonn, Germany (2013).
- : Solar Panels Training (2013):
  - Installing, combining and testing Solar Panels.
  - Configuring, testing and operating off-grid installations.
  - Connecting the Solar Panels to storage batteries.
  - Driving a DC & AC Loads with Solar Panels System.
- : Grounding Systems (2012).
- : Automatic Control (2011).
- : Electric Power Distribution, Low Voltage Distribution Course including the following items: Lighting design, Socket distribution, Load estimation, transformer sizing and locations, Riser design, voltage drop and short circuit calculations, Fire alarm system design (2010).
- : Programmable Logic Controller basics (PLC) (2009).
- : Trainings at:
  - Shoubra El-Kheima Power Plant (2010).
  - Atomic Energy Authority (2010).
  - Egypt Air (2008 & 2009):
    - Learned fundamentals of the planes' simulation system.
    - Became familiar with simulators of Airbus 320 & Boeing 337.
    - Became familiar with control systems.
  - Vodafone (2008 & 2009): Learned most of the production line's tasks.
  - Mercedes Benz Service Center (2007): Learned fundamentals of the cars' mechanical system.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2018 till now
- Employer** : ALCAZAR ENERGY
- Project** : Construction supervision of 4x50MW Solar Power Plants in Benban, Aswan, Egypt
- Job title** : Site Project Engineer
- Job Description** :
- Construction supervision of solar power plants.
  - Ensure site performances of projects are delivered to specification, program, within contract price in accordance with company financial authorization procedures.
  - Ensure compliance of projects with Health, Safety & Environmental Regulations.
  - Responsible for the performance on site, management of contractors involved and coordination with the rest of project team.
  - Manage and report on progress.
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- Dates** : From Apr. 2016 till Jan. 2018
- Employer** : ERCC (Environmental Research and Consulting)
- Projects** :
- Representative of DNVGL as an Owner Engineer of Shams Ma'an in PV Power Plant 52.5MW with tracking mounting system in Ma'an, Jordan
  - Design verification of 6x50MW PV Power Plants with respect to Egyptian standards
  - Installation of measurement tower in Shobak, Jordan

**Job title** : Electrical Site Engineer  
**Job Description** :

- Construction supervising of solar power plants.
- Supervising all tests on PV Modules, megger tests of DC, AC & MV cables, VLF test, Cold and Hot commissioning of PCSs.
- Checking and approving all materials on site.
- Reporting about all works on site.
- Preparation and following up snag list.

**Dates** : From Jun. 2014 till Apr. 2016  
**Employer** : Complete Energy Solutions  
**Projects** :

- Installation of PV Power Plant 10MW in Siwa
- Design and installation of 2MW in Abu Ramad & 1MW in Halayeb
- Installation of off grid PV systems for 377 units in Siwa & Sohag
- Project management and installation of 50 solar street lighting columns

**Job title** : Electrical Design & Site Engineer  
**Job Description** : Design and installation of PV systems (On grid, off grid, solar pumping).

**Dates** : From Mar. 2013 till Jun. 2014  
**Employer** : [EGYPTROL](#)  
**Projects** :

- Construction supervision (14 months): Roots Steel factory (3.6 MVA)
- Design of lighting and power distribution system of:
  - Al Shohadaa Islamic Center - Egypt (4.0 MVA)
  - KAU Media Center - KSA (6.0 MVA)

**Job title** : Electrical Design & Site Engineer  
**Job Description** :

- Construction supervision.
- Lighting System Design & Power distribution.
- Single Line Diagrams (Risers & Load schedule).
- Coordination between the electro-mechanical works & invoices checking.

**Dates** : From Oct. 2011 till Dec. 2012  
**Project** : Military Service  
**Job Description** : United Nations peace keeping force in Darfur (UNAMID) - Worked as a Logistics Representative for 2 missions in the Egyptian Signal Company in Darfur - Sector North, Sudan.

**Further experience** : 4 years experience in Logistics field (from 2009 till 2012).