

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 4 years hands-on experience working in design (H.V substation and Power Plant Field).

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 26/06/1991  
Gender : Male  
Marital Status : Single  
Residence : El-Marg, Cairo

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2013

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Electrical Design: Etap, Dialux, AutoCAD, E3, Aveva  
: Programming: Mikro C  
: Simulation: Matlab, Proteus, Psim, Visual Basic  
: Revit

## **TRAINING COURSES AND CERTIFICATIONS**

: Career Development (summer 2013).  
: Power System Distribution Basics and Advanced (summer 2013).  
: Micro Controller Programming (summer 2012).  
: Training at South Cairo Electricity Company for Transmission (summer 2012).

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From 2016 till now  
**Employer** : El Sewedy Power System Projects - PSP  
**Job title** : Electrical Design Engineer

- Job Description** :
  - Working as Coordinator at 132/11KV AL WUKAIR 11 S/S Project at Qatar:
    - Protection, Control and SCS system with Siemens Germany/India.
    - 11KV SF6 Metal Clad Switchgear with Siemens German.
    - Remote end modification with Siemens Qatar.
    - SCADA and Telecommunication System with Alstom Qatar.
  - Working as Tender Engineer at:
    - HAMRIYAH PHASE III EXPANSION PROJECT at United Arab Emirates.
    - AL WUKAIR 11 132/11KV SUBSTATION at Qatar.
    - EL ZAFARANA 220/22KV SUBSTATION at Egypt.
    - GAMASA 220/66/11KV GIS SIS at Egypt.
    - ATTAQA COMBINED CYCLE POWER PLANT at Egypt.
    - MAHMOUDIA COMBINED CYCLE POWER PLANT at Egypt.
    - AL Waab 66/11KV SUBSTATION at Qatar.
    - Al-Wakra Logistic City at Qatar.
    - DEWA - 400-132KV SUBSTATIONS (4 S/S) at United Arab Emirates.
    - FEWA - North Emirates S/S (16 S/S) at United Arab Emirates.
    - Hamraween Coal power plant at Egypt.
    - Aweer Station (H) power plant at United Arab Emirates.
    - RUFUJI HYDROPOWER PROJECT at Tanzania.
  - Working as Electrical Design Engineer at:
    - BENI SUEF COMBINED CYCLE POWER PLANT at Egypt.
    - SUEZ GULF 500/220/22KV GIS S/S at Egypt.
    - SOUTH HELWAN SUPERCRITICAL POWER PLANT 3x650MW at Egypt.
    - NEW AL SHABAB POWER STATION at Egypt.
    - AL WUKAIR 11 132/11KV SUBSTATION at Qatar.
  - Attend Factory Acceptance Test for MV SWGR for NEW AL SHABAB POWER STATION at Schneider Factory for SWGR.
  - Attend Consultant Meeting regarding to Calculation for Medium Voltage Cables with EPS consultant for SUEZ GULF 500/220/22KV GIS S/S at Egypt.

**Dates** : From 2014 till 2016

**Employer** : Jawada Engineering Consultant Company

**Projects** : High Voltage Substations:

- Modon-2 110/33/13.8KV Substation for West Area at Saudi Arabia.
- Yanbu North-2 110/13.8KV Substation for West Area at Saudi Arabia.
- Qairwan 132/13.8KV Substation for Central Area at Saudi Arabia.
- Al Narjis 132/13.8KV Substation for Central Area at Saudi Arabia.
- Uqlat Al suqur 132/33KV Existing Substation for Central Area at Saudi Arabia.
- Bab Jeddah 110/13.8KV Substation for West Area at Saudi Arabia.
- Sea port 110/13.8KV Substation for West Area at Saudi Arabia.
- Woasiliah 110/13.8KV Substation for West Area at Saudi Arabia.
- Muna-4 110/13.8KV Substation for West Area at Saudi Arabia.
- SISED 110/13.8KV Existing Substation for West Area at Saudi Arabia.

**Job title** : Electrical Design Engineer

- Job Description** : At Secondary and Protection Department:
- Preparation Operational Single Line Diagram Scheme.
  - Preparation General Layout (Tender).
  - Preparation CT/VT Single Line Diagram Scheme.
  - Preparation Protection Logic Diagram Scheme.
  - Preparation Interlocking Logic Diagram Scheme.
  - Preparation Manual Calculation for High Voltage Cables.
  - Preparation Manual Calculation for Medium Voltage Cables.
  - Preparation Calculation for Lighting using Dailux.
  - Preparation Lighting Schemes.
  - Preparation Manual Calculation for Auxiliary Transformer Sizing.
  - Preparation Manual Calculation for AC Cables and Breakers Sizing.
  - Preparation AC Single Line Diagram Scheme.
  - Preparation AC Breakers setting.
  - Preparation Manual Calculation for Battery and Battery Charger Sizing.
  - Preparation Manual Calculation for DC Cables and Breakers Sizing.
  - Preparation DC Single Line Diagram Scheme.
  - Preparation DC Breakers setting.
  - Preparation SAS/Alarm point list.
  - Preparation Fault recorder list.
  - Preparation Control Cables schedule.
  - Preparation Interfaces with red marked up between Schematic Drawings.
  - Reviewing Detail Design schematics for High voltage Gas Insulated Switchgear.
  - Reviewing Detail Design schematics for Medium voltage Switchgear.
  - Reviewing Detail Design schematics for Low voltage Switchgear.
  - Reviewing Detail Design schematics for Protection panels.
  - Reviewing Detail Design schematics for Control panels.
  - Reviewing Detail Design schematics for Metering panels.
  - Preparation Manual Calculation for Current transformer.
  - Preparation Manual Calculation for Voltage transformer.
  - Preparation Manual Calculation for Heat Dissipation.
  - Preparation Bill of Quantity.
  - Preparation Master Documents List (MDL).
  - Preparation List of Codes and Standard.
  - Preparation Purchase Request (PR).
  - Preparation Purchase Order (PO).
  - Preparation Request for Quotation (RFQ).
  - Preparation Pre/Post bid clarification.
  - Preparation Document of responsibility (DOR) for Suppliers.
  - Preparation Document of responsibility (DOR) for Subcontractors.
  - Reviewing Complete Offers for High voltage Gas Insulated Switchgear.
  - Reviewing Complete Offers for Medium voltage Switchgear.
  - Reviewing Complete Offers for Protection System.
  - Reviewing Complete Offers for Control System.
  - Reviewing Complete Offers for Metering System.
  - Reviewing Complete Offers for Substations Automation System.
  - Reviewing Complete Offers for Telecommunication System.
  - Reviewing Complete Offers for SCADA System.

- Coordinate direct with Suppliers.
- Coordinate direct with Subcontractors.
- Supporting Project/Planner/Proposal teams.
- Following Site progress.