

102657-ELE-15DE-E-2013
Electrical Site Consultant Engineer

Holds a B. Sc. in Electromechanical Engineering and has about 3 years hands-on experience working in design and technical office.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/01/1992
Gender : Male
Marital Status : Single
Residence : Alexandria

EDUCATION

: B. Sc. in Electromechanical Engineering, Alexandria University, 2013

LANGUAGES

Arabic : Native Language
English : Fluent
French : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet
: ETAP and Microstation powerdraft
: SmartPlant 3D, Everything 3D, AutoCAD, MATLAB, Automation Studio

TRAINING COURSES AND CERTIFICATIONS

: Classic automatic control course, certified by Schneider Electric.
: PLC course, certified by Schneider Electric.
: SCADA course, certified by Schneider Electric.
: Heating, ventilation & air conditioning (HVAC) course at Egycet.
: Negotiation skills course held at the Arab Academy of Science and Technology (2015).
: Everything3D software training course for beginners by AVEVA.
: Microcontroller course (Arduino).
: Final control element course (valve types, maintenance and operation), certified by the Engineers' Syndicate.
: Training for 3 weeks in SUMED in Alexandria, Egypt (Aug. 2010).
: Training for 2 weeks in Mantrac in Alexandria, Egypt (Jul. 2011).

: Training for 4 weeks in Sidi Krir Power Station in Alexandria, Egypt (Jul. 2012).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2017 till now
Employer : PGESCo (Power Generation Engineering & Services Company)
Project : New West Damietta Combined Cycle Add-On Power Plant (250MW)
Job title : Electrical Site Consultant Engineer
Job Description :

- Provide site technical support for the electrical construction activities.
- Establish an Office/Field Engineering working relationship and lines of communications with the Project Engineer including agreement on engineering deliverables.
- Expedite timely engineering resolutions necessary to overcome obstacles and field problems.
- Interpret and/or obtain clarifications of the contract drawings and specifications.

Dates : From Sep. 2015 till Jul. 2017
Employer : PGESCo (Power Generation Engineering & Services Company) – Cairo Head Office, Egypt
Projects :

- New Assiut conversion to combined cycle power plant (2x250MW)
- New West Damietta Combined Cycle Add-On Power Plant (1x250MW)
- Al-Shabab conversion to combined cycle power plant (2x250MW)

Job title : Electrical Engineer
Job Description :

- Design and design review of several electrical equipment & systems within electrical power plants.
- Performing calculations such as:
 - Generator step up transformer sizing.
 - DC / UPS system equipment sizing.
 - Load flow and short circuit calculations using ETAP.
 - Medium voltage and low voltage cables sizing.
 - Emergency diesel generator sizing.
- Drafting and interpreting single line diagrams, metering & relaying diagrams and logic diagrams.
- Issuing specifications & material requisitions for several electrical equipment.
- Reviewing supplier's documents to ensure their compliance with specifications & project's technical requirements.
- Cables sizing, routing & termination using Cable Design Suite which is a software package developed by PGESCo very similar in design, concept and interface to SetRoute.
- Modeling using SmartPlant3D (SP3D) and cable sizing using SmartPlant Electrical (SPEL).
- Technical offers evaluation.
- Originating power plant's load lists.
- Internal coordination with other disciplines (mechanical, instrumentation and control, civil & architectural disciplines)
- In March 2017, I witnessed the factory acceptance test (FAT) of the DC & UPS system comprised of battery chargers rated 2000 A and 800 A

and an inverter rated 150 KVA in the premises of BORRI S.P.A. in Arezzo, Italy.

- Dates** : From Sep. 2014 till Sep. 2015
- Employer** : Al Ezz El Dekhila Steel Company – Alexandria, Egypt
- Job title** : Projects Procurement Engineer
- Job Description** :
- Responsible for purchasing spare parts, plant and equipment through the purchasing cycle.
 - Review requisitions and technical bid documents.
 - Conduct pre-tender studies to determine the suitable bidders to be invited.
 - Prepare commercial bid documents and issue tender invitations.
 - Conduct techno-commercial studies for the submitted offers.
 - Contract negotiation.
 - Issue payments according to the contractual obligations.
 - Lead financial, logistics and customs clearance departments in resolving any problems that may arise.