

**104541-ELE-CDMOS-E-2014**  
**Onshore Field Service Electrical Engineer**

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 2 years hands-on experience working in construction, design, maintenance, operation and start-up.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 16/06/1992  
Gender : Male  
Marital Status : Single  
Residence : New Cairo

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Tanta University, 2014

## LANGUAGES

Arabic : Native Language  
English : Fluent

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: Microstation  
: AutoCAD  
: Dialux  
: Matlab

## TRAINING COURSES AND CERTIFICATIONS

- : Internship at Delta Egypt Foreign Trade (from Dec. 2015 till Feb. 2016):
  - Design, review, evaluate and close out of the L.V. system (lighting control, emergency lighting).
  - Design, evaluate of the central battery system.
  - Coordination between L.V. Systems and other service disciplines (architectural/ civil, structural, mechanical and electrical).
- : Internship at Cairo Oil Refining Company (from Jun. till Aug. 2013):
  - Trained at basic & detailed engineering design.
  - Local fabrication of (towers, pressure vessels, heat exchangers).
  - Construction & erection of refining equipment.
  - Equipment maintenance and technical Services.
  - Inspection & quality assurance.

- : Internship at Egypt Company for spinning and weaving (from Jun. till Aug. 2012): Trained at electrical maintenance workshops.
- : PLC "TIA" Programming Level 1 at Siemens (NASS Academy) (2013):
  - System overview and essential performance features of the SIMATIC S7 system programming using ladder, sequential function chart.
  - Hardware and software start-up of the automation system introducing the TP17B Touch Panel.
  - Introducing VFD drives.
- : Microcontroller at Logic Academy (2014):
  - Microcontroller basic knowledge.
  - Microchip PIC microcontroller (programming - HW setup - projects).
  - C Programming basics.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2017 till now
- Employer** : Egyptian Drilling Company / Maersk Drilling Joint Venture
- Projects** : EDC Rig 51 2000 HP Top Drive NOV PS-500, 3 EA CAT.3512 Diesel Engines, Abu El-Gharadea Fields  
EDC Rig 51 #1 Drilling rig in the world over 93 rigs according to Shell KPI
- Job title** : Onshore Field Service Electrical Engineer
- Job Description** :
- Operating, maintaining and repairing main emergency generators, D.C. Power Conversion (SCR), D.C., A.C. motors, switchboards, refrigeration and air conditioning systems.
  - Starting up and bringing on line generators for parallel or split plant operation, adjusting load, power factor and frequency of generator and monitoring the operating parameters of generators including temperature of generator, frequency, load sharing and protective devices.
  - Troubleshooting and repairing air and vacuum breakers, protective devices, voltage regulators and governor electronic control on generator switchgear.
  - Maintaining transformers inspected, cleaned and testing of insulation of its windings.
  - Installing, troubleshooting and repairing multiple start-stop stations, switches (transducers, pressure, proximity, flow temperature etc.) timers, relays and solid-state switching devices.
  - Repairing BOP electrical control and indication system.
  - Maintaining and repairing all electrical equipment associated with pipe handling machines, top drive units, mud pumps, draw works, cranes as per preventive maintenance systems, miscellaneous galley appliances and equipment, water heaters, fire detection and emergency equipment, washing machines and dryers in the laundry, all lighting, auxiliary electric brake.
- Dates** : From Oct. 2016 till Jan. 2017
- Employer** : Saipem Misr for Petroleum Services
- Project** : Zohr Field, Port Said
- Job title** : Pipe Tally Engineer

- Job Description** :
  - Ensure correct issuing of Pipe Tracking System Records compared with applicable requirements.
  - Verify that correct hardware availability, set up, and functional status before offshore operations start-up.
  - Ensure that prior to offshore operations start-up ensure that applicable soft PTS Data Input has been duly cleared within barge/Vessel PTS infrastructures, and that all existing records are approved by involved parties.
  - Operate PTS during offshore operations within Corporate and Project Applicable Guidelines. Identify Non-Conforming Pipes and ensure correct segregation actions as well as rejection as applicable.
  - Collect QC Inspection Records information/results to be entered into PTS in line with applicable Project PTS Procedure.
  - Ensure that Surplus/Damaged/Rejected Pipes Return activities are carried out within schedule procedures/work instructions.
  - Ensure correct pipes reconciliation figures as per above scheme.
- Dates** : From Oct. 2015 till Oct. 2016
- Employer** : Bahrawy Consultancy Group
- Projects** :
  - Thadeq 132/33KV
  - Rawdah 132/33KV
  - Quawaiah 132/33/13.8KV
  - Azizyah 132/33KV
- Job Description** :
  - Secondary Design Engineer (from May 2016 till Oct. 2016):  
Main duties were to design the following:
    - Full electrical base and detailed design for substations.
    - Prepare single line diagram.
    - Prepare protection single line diagram & relaying and metering one line diagram.
    - Prepare interfacing between all substation panels.
    - Review and revise manufacturer (ABB, Siemens ...etc.) base design.
    - Review and revise manufacturer schematic drawing for protection, control and LCC panels.
    - Reviewing manufacturer offers & project PTS (Project Technical Specification).
    - Full substation cable schedules and final termination.
  - Primary Design Engineer (from Oct. 2015 till May 2016):  
Main duties were to design the following:
    - Grounding system design calculations by (Manual/CYM grid).
    - Earthing grid layout, equipment-earthing layout.
    - Auxiliary transformer sizing calculations and A.C. & D.C. auxiliary one-line diagram.
    - H.V. & M.V. cables trenches and duct banks.
    - A.C. & D.C. cable, circuit breaker sizing calculations.
    - Battery & battery charger sizing calculations.
    - H.V. & M.V. cable sizing calculations.
    - Indoor & outdoor lighting calculations.