

**101272-ELE-125CMOPSTy-E-2006**  
**Testing & Commissioning Team Leader**

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 14 years hands-on experience working in construction, maintenance, operation, protection, testing and commissioning.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 19/07/1984  
Gender : Male  
Marital Status : Married  
Residence : Sharkia

## EDUCATION

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

## LANGUAGES

Arabic : Native Language  
English : Fluent  
French : Basics

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Training course in low, Medium, High voltage Applications (ABB ARAB).
- : Cables Training course in (ELSEWEDY ARAB CABLES).
- : ATAKA Power Station Training courses:
  - Attended a training program in Introduction in Steam Power Station Operation (Boilers - Turbine – S/S Network – Auxiliaries).
  - Attended a training program in (Productive Safety).
  - Attended a training program in (Water Treatment).
  - Attended a training program in (Protection).
  - Attended a training program in (Instruments & Control).
- : Training course in (English language course (Conversation level (4)) (Fayed Training Centre).
- : Training course of study in Interface and Signal conditioning (Electronics Research Institute, Cairo, Egypt).
- : Training course of study in Programmable Logic Controller (Electronics Research Institute, Cairo, Egypt).

- : Training course in MARK VI control & maintenance (Apr. 2011) by General Electric (GE) (AL-SHABAB site, Ismailia, Egypt).
- : Training course in GE EXCITATION control (Apr./May 2011) by GE (AL-SHABAB site, Ismailia, Egypt).
- : Training course in GE SIMPLE CYCLE operation & Trouble shooting (May 2011) (Cairo North Station Training Centre, Cairo, Egypt).
- : Training course in Power System Protection Relays & Isolated Phase Bus ducts by (PSP) (Jul. 2011) (AL-SHABAB site, Ismailia, Egypt).
- : Training course in Advanced DCS (System Engineering) (Aug. 2011) by CISA (AL-SHABAB site, Ismailia, Egypt).
- : Training course in Gas Insulated Switchgear (GIS) System in EL-SHABAB 220KV GIS Substation by Siemens (AL-SHABAB site, Ismailia, Egypt).
- : Training course in protection System in EL-SHABAB 220KV GIS Substation by Siemens (AL-SHABAB site, Ismailia, Egypt).
- : Training course in Telecommunication System in EL-SHABAB 220KV GIS Substation by Siemens (AL-SHABAB site, Ismailia, Egypt).
- : Training course in Operation & Maintenance of (MV SWGR & LV SWGR & DC System & DRY Type Transformer) by Schneider Electric (AL-SHABAB site, Ismailia, Egypt).

## CHRONOLOGICAL EXPERIENCE RECORD

- Employer** : ELECTRO EGYPT ENERGY (EEE)
- Project** : S4 RAS GHAREB 500/22/22KV
- Job title** : Testing & Commissioning Team Leader
- Job Description** :
- Scheme Check, Functional & Operation checks.
  - Line Feeders Protection Relays testing (ABB REL670, ARCTEQ AQ L359).
  - Trx Feeders Protection Relays testing (ABB RET 670, ARCTEQ AQ T353).
  - BB Protection Relays testing (ARCTEQ AQ B398).
  - 22KV Protection Relays testing (GE F650).
  - Final trip test for all protection systems (line, transformer, BB, CBF).
  - 500 & 220KV BB Stability.
  - 500/220/22KV Trx Stability.
- Dates** : From Nov. 2015 till Jul. 2020
- Projects** : ADAM S/S, ALLITH CITY S/S, Alrowaidah (8609) S/S and Quwaizah East S/S
- Job title** : Testing & Commissioning Coordinator
- Job Description** :
- Planning, scheduling for SIS activities and coordinate with customer and CSD representative.
  - Coordinated with customers for technical discussions, got approvals & administered inspection procedures.
  - NCR & NCC document preparation & process Implementation.
  - Was involved in quality, product development & commercial and supply chain management activity related to project execution.
  - Demonstrated abilities in managing the entire gamut of activities related to inspection, testing & commissioning of control and relay panels.
  - Preparing field quality plans along with handling documentation process

that involves compiling technical, site and customer documents.

- Handling team work and Executing overseas projects.
- Managing the entire project & site management activities as a head of Installation and commissioning including project planning and controlling.
- Scheme Check, Functional & Operation checks.
- LCC testing & Protection relays testing.
- CTs & VTs Testing and loop secondary injection.
- GIS Testing (CB & ES/DS, Station Interlocking, Gas analysis, CT primary injection, High Voltage, Contact Resistance, CT primary injection, BB stability with High & Low impedance schemes.
- Final trip test for HV GIS from all protection systems & reviewing over all tripping system.
- Pre-energization activities (End To End, Normalisation, ....etc.).

**Dates** : From Apr. 2015 till Nov. 2015  
**Project** : 8906 S/S with GIS and control systems  
**Job title** : Testing & Commissioning Team Leader  
**Job Description** :

- LCC testing, Scheme Check, Functional & Operation checks.
- Testing for (CT, VT, CB, ES/DS, contact resistance).
- RTK 725 Series Alarm Annunciator adjustment and function check.
- Station Interlocking and Master interlocking.
- Scheme and function check for line feeder control panels and operation.

**Dates** : From Oct. 2014 till Apr. 2015  
**Employer** : National Excellence for Construction & Energy (NECE), KSA  
**Job title** : Testing & Commissioning Engineer  
**Job Description** :

- Scheme and function check for 33KV & 132KV line feeder protection panels.
- Scheme and function check for 33KV & 132KV transformer protection panels.
- Scheme and function check for 33KV & 132KV high impedance BB protection panels.
- Test all aux, timers, MCBs, trip relays, lockout relays and high impedance relays.
- Test advanced relays (7SD522, 7SJ640, 7SJ811, 7VK611, 7UT613, SEL421).
- Final trip test for all protection systems (line, transformer, BB, CBF, stuck breaker).

**Dates** : From Dec. 2013 till Sep. 2014  
**Employer** : SICO (Libya)  
**Project** : BER TERFAS 220KV AIS Substation  
**Job title** : Site Manager  
**Job Description** :

- Perform construction management and related services such as Work Scheduling, Monitoring and Control.
- Review all Construction Contractor's Design Submittals including detailed design calculation, structural design and analysis, construction drawings, installation details and other similar/related activities and

ensure that all design details submitted by construction contractors comply with Customer requirements.

- Maintain quality control procedures for installation of the mechanical/ electrical equipments, and monitor all inspection functions.
- Inspect all contractors' incoming materials for damage and for compliance with Contract's Technical Specifications.
- Hold weekly construction progress meetings separately with Contractors to determine work progress, discuss problems.
- Monitor Contractor's work schedule.
- Review and certify "As Built" Drawings of the construction contractors for correctness and compliance with the requirements of the Client's turnkey project drawing.

**Dates** : From Jan. 2013 till Dec. 2013  
**Employer** : SICO (Scientific Implementation Company) in LIBYA  
**Job title** : Testing & Commissioning Engineer for Protection Modification systems  
**Job Description** :

- Modification and upgrading for protection systems in medium voltage substations (11, 33 & 66KV).
- Installation and commissioning of Siemens digital protection relays (Over current, Earth Fault, Distance, and Trx. Differential).
- Making configuration & setting for Siemens digital relays using DIGSI software.
- Testing of Siemens relays using OMICRON tester.
- Worked in the following plants during project of Rehabilitation of control and protection systems using SCADA:
  - AL KHOMSE TAWLED 30KV OLD SIEMENS (ALKHOMS).
  - ABO-ARGOB (30 KV) OLD SIEMENS (TRIPOLY).
  - TARHONA 66/11KV VATECH (TRIPOLY).
  - TRAGHEN (66/11KV) VATECH (TRAGHEN): Installation, commissioning and testing of the (control system, protection system and interlocking system).
  - SEBHA ALSHAMALIAH (66/11KV) VATECH (SEBHA).

**Dates** : From Oct. 2011 till Jan. 2013  
**Project** : AL-SHABAB POWER STATION (1000MW) SIMPLE CYCLE  
**Job Description** : I&C Construction Engineer - Testing, Calibration, loop checking, Modification and troubleshooting for all power plant Instrumentation like:

- Pressure, level and flow transmitters / switches / Gauges.
- Temperature controllers and measuring instruments like the RTD and THERMOCOUPLE.
- Control Valves operation / Servo / Trouble shoot techniques.
- Electro Pneumatic & Hydraulic Valves, solenoid Valves.
- Responsible for maintenance field devices, instruments and actuators (servo-valves, thermo elements, transmitters, etc.).
- Responsible for maintenance turbine control system (MARK VIE).
- Responsible for maintenance fire fighting system.
- System control in DCS (YOKOJAWA DCS).
- Turbine control system (MARK VIE).

**Dates** : From Apr. 2011 till Oct. 2011  
**Project** : AL-SHABAB POWER STATION (1000MW) SIMPLE CYCLE  
**Job title** : Operation & Construction Engineer  
**Job Description** :

- Electrical Construction Engineer of frame 9E GE Turbines (125MW).
- Start-up and Commissioning Engineer.
- Operation Engineer of frame 9E GE turbines (125MW).
- Shift Engineer responsible for (GIS) gas insulated substation (220KV).
- Dealing with different electrical systems and equipment (different type of transformers, protection systems and signals, buses scheme and 6.6KV & 400v breakers).

**Dates** : From Aug. 2008 till Apr. 2011  
**Employer** : EDEPC  
**Project** : ATAKA POWER STATION  
**Job title** : Operation & Control Engineer  
**Job Description** :

- Start-up boiler, steam turbine and generator.
- Large capacity boiler and auxiliary boiler.
- Cooling water system.
- Power transformers (protection).
- Pumps operation (centrifuge, gear, screw, reciprocating).
- Turbine hydraulic system (EHC & HHC).
- Fans (forced draft fans, cooling fans, gas recirculation).
- Natural gas and heavy fuel oil system.
- Heat exchanger, vessel operation and trouble shooting.
- 220KV equipment.

**Dates** : From Jun. 2007 till Aug. 2008  
**Employer** : CERAMICA CLEOPATRA GROUP (GCC)  
**Job title** : Electrical Maintenance Engineer  
**Job Description** :

- Read wiring diagram of machines and fault analysis the problems.
- Follow machine operation and predict the trouble shoots.
- Design & maintain control circuits
- Designing and carry out Preventive Maintenance programs.

**Dates** : From Nov. 2006 till Jun. 2007  
**Employer** : COLORS HOUSE Company for dyeing, finishing and printing  
**Job title** : Electrical Maintenance Engineer  
**Job Description** :

- Read wiring diagram of machines and analysis the faults.
- To repair the faulty machine.
- Follow machine operation and predict the trouble shoots.
- Design & maintain control circuits.

Skills:

- Power system protection.
- Power electronics.
- Power system control.
- Power generation.

- Good ability to understand any machine construction in short time.
- Very good ability to design system to control and protection.
- Good experience in installing power switching elements as (contactors, relays, over loads and circuit breakers).