

**101766-ELE-158CM-E-2007**  
**Construction & Maintenance Engineer**

Holds a B. Sc. in Electrical Power Engineering and has about 10 years hands-on experience working in construction and maintenance.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 22/06/1985  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## EDUCATION

: B. Sc. in Electrical Power Engineering, Kafr El-Sheikh University, 2007

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD 2D

## TRAINING COURSES AND CERTIFICATIONS

: Medium voltage switchgear (maintenance, operation and protection).  
: Process control course.  
: Electrical maintenance and troubleshooting.  
: Summer training at Desuq Distribution Power Station (Jul. 2004).  
: Training course at Horse Company for Eng. Works (from Jul. till Oct. 2007).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jun. 2014 till now  
**Employer** : Abuljadayel Company for contracting & maintenance  
**Project** : North Jeddah Pumping Station  
**Job title** : Construction Engineer

- Job Description** :
- Termination and cable pulling for medium and low voltage systems (13.8KV & 380 V).
  - Grounding and lightning system installation.
  - Installation of MV diesel generator with its synchronization panel.
  - Installation of raceways including cable tray and conduit for cables.
  - Panel and cables Commissioning and testing after installation.
  - Commissioning and start-up for electrical systems as 4160 Volt VFD (Eaton SC9000), 13.8KV MCSET MVSGR, 4160V-2350KW motor pumps and power transformer.
  - Testing and commissioning for 13.8 medium voltage switchgear (MCSET).
  - Calculations for the loads and cables, circuit breakers, contactors and over load protection device selection.
  - Fire alarm system installation.
  - SCADA control system Schneider.
  - Intercom, public address & CCTV system.
  - NOTE: 1 year maintenance contract for the plant after final testing and commissioning for all equipment:
    - Medium voltage switchgear troubleshooting and preventive maintenance.
    - Medium voltage drive (SC9000) troubleshooting.
    - 13.8KV high speed diesel generator with its synchronization system troubleshooting.
    - Hydraulic and electrical penstocks troubleshooting and preventive maintenance.
    - Power and control panels troubleshooting and preventive maintenance.
    - Supervising fire alarm system preventive maintenance.

**Dates** : From Apr. 2012 till Jun. 2014

**Employer** : General Authority of Alexandria Port

**Job title** : Construction & Maintenance Engineer

- Job Description** :
- Troubleshooting and electrical maintenance for boat tugs.
  - Troubleshooting and electrical maintenance for:
    - Motor starters.
    - Main distribution switchboards.
    - Control & protection circuits including sensors and gauges for different purpose.
    - Different motors and compressors.
    - Alarming systems.
  - Construction of 11KV distribution station (11KV MVSG ABB UNIGEAR).
  - Supervision electrical construction projects in the port as water plant and fire fighting network.
  - Supervision executing of lighting works and power circuits.
  - Supervision executing of fire alarm system.
  - Troubleshooting and electrical maintenance for medium and low voltage distribution board.
  - Troubleshooting and electrical maintenance for lighting system of all area of the port.

**Dates** : From Jul. 2010 till Apr. 2012  
**Employer** : Sinai Cement Company  
**Job title** : Construction & Maintenance Engineer  
**Job Description** :

- Supervision construction of Sinai White Cement Company line 1 (Limestone and clay crushers, stacker, reclaimer, raw mill, preheater, kiln, cement mills and packing machine).
- Troubleshooting and electrical maintenance for grey cement production lines including: transformers & motors & drives & control circuits and instrumentation.
- Saving reliability and troubleshooting of Sinai Grey Cement Company line 1, 2.
- Saving reliability and troubleshooting of MV switchgears (6.3KV).
- Saving reliability and troubleshooting of distribution MV and LV machines.
- Maintenance and troubleshooting of MV and LV panels (power, control, protection).
- Preparation and execution the preventive maintenance of MV and LV electrical systems and machines according to ISO 9001.

**Dates** : From Jun. 2009 till Jun. 2010  
**Employer** : Misr Company for Mechanical and Electrical Projects (Kahromika)  
**Project** : EL-ATF Combined Cycle Power Station 750MW  
**Job title** : Construction Engineer  
**Job Description** :

- Transformers:
  - Installation of main transformer 220/21KV, 300MVA and auxiliary transformer 21/6.3 KV, 32/16-16MVA.
  - Installation of Isolated Phase Bus Duct (Bus Bar) between generator, excitation transformer, generator circuit breaker), auxiliary transformer and main transformer.
- Electrical Panels and Batteries:
  - Alignment and fixing of switchgear, load center, motor control center (MCC) and protection relay panels also interconnection inside these panels.
  - Alignment and fixing of Batteries and the interconnection between them.
- Fire Alarm System:
  - Installation of heat and smoke detectors (addressable and conventional type).
  - Installation of manual call points and electronic alarm sirens.
  - Pulling and connecting control and power cables between fire alarm control and indicating panel.
  - Loop check and test for fire alarm system after installation.

**Dates** : From Jan. 2009 till Jun. 2009  
**Employer** : Misr Company for Mechanical and Electrical Projects (Kahromika)  
**Project** : EL-ATF Combined Cycle Power Station 750MW  
**Job title** : Construction Engineer  
**Job Description** :

- Cable Pulling and Termination:
  - Pulling and Termination of medium voltage cables (6.3KV) from auxiliary transformer to switchgear and from switchgear to load

- center.
- Pulling and termination of low voltage cables (380 V) from the load center to motor control center (MCC) to the different motors.
- Pulling and termination of control and instrument cables between different panels.
- Cable tray and conduit:
  - Installation of raceways including cable tray and conduit for cables.
- Commissioning:
  - Commissioning and test after installation including continuity, meager and high potential test after termination.

**Dates** : From 2007 till Dec. 2008

**Employer** : Alexandria Company for food industries developing (AMMCO FOODS)

**Job title** : Maintenance & Operation Engineer

**Job Description** :
 

- Design the low voltage panels for anew production line containing cable calculation.
- Maintenance of control panels of production lines.
- Designing control circuit of different application.
- Fire fighting system (electrical side).

Skills:

- Generation systems technique.
- Distribution systems concepts.
- Loading conditions and supplying with power.
- Lighting and load distribution charts.
- Maintenance of electrical equipment's and power system elements.
- Familiar with protection and control circuits.
- Recognition different electric codes and standards.
- Sensing and alarming systems.
- Preparing technical reports about work site statues.
- How to lead a team in a proper manner performing a lot of tasks at the same time.