101302-ELE-CMS-E-2008
Senior Electrical Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 8 years hands-on experience working in maintenance, construction and commissioning mainly at Damanhour Power Station.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	06/11/1986
Gender	:	Male
Residence	:	Damanhour

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Menoufia University, 2008

LANGUAGES

Arabic	:	Native Language
English	:	Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet
: Linux
: AutoCAD Electrical
: CADdy ++
: Dialux (lighting designing app.)
: Matlab
: Adobe Photoshop
: Eplan Electric P8
: Solid Works

TRAINING COURSES AND CERTIFICATIONS

: Transformers and generators maintenance, Abu Qir Training Center (2010).
: Automation course, Abu Qir Training Center (2010).
: Occupational Health and Safety, WDEPC (2009).
: Safety and occupational hazards, Civil Defense Troops, Egypt (2009).
: National unified grid operating instructions, Abu Qir Training Center (2009).
: Thermal Power Plants operation and system control, WDEPC (2008).

: Wind Farms construction, operation and system control, Zafarana Wind Farm, Red Sea, summer training (2008).
: Power Plants basics, WDEPC, summer training (2006).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2015 till now
Employer : West Delta Electricity Production Co. (WDEPC)
Project : Damanhour Power Station
Job title : Electrical Maintenance Engineer
Job Description :
- Working on implementing the RCM strategy.
- Preparing adaptive maintenance techniques for better assets management.

Dates : From Mar. 2014 till Feb. 2015
Employer : NEM Energy b.v, Egypt
Job title : Electrical Commissioning Engineer
Job Description :
- Drum level monitoring commissioning.
- HRSG electrical auxiliaries commissioning.
- Emergency lighting system commissioning.

Dates : From Jan. 2013 till Jan. 2014
Employer : ABB Power Systems and Automation Technologies, Egypt
Job title : Electrical Commissioning Engineer
Job Description :
- LV MV switchgear commissioning.
- UPS system commissioning.
- DC system commissioning.
- GIS controls upgrade commissioning.

Dates : From Oct. 2008 till Dec. 2012
Employer : West Delta Electricity Production Co. (WDEPC)
Project : Damanhour Power Station
Job title : Electrical Maintenance Engineer
Job Description :
- Responsible for maintenance of all the electrical equipment on site (switchgear, generators, transformers, controls, UPS, batteries).
- Preparing and scheduling maintenance plans.
- Preparing and reviewing electrical drawings.
- Providing tech. support to the tech teams.
- Personnel oversight.
- Supervising contractor works as per contract and reporting to the general manager.
- Preparing tenders.

Field of experience :
- Accomplished, proactive Electrical Engineer with 8+ years extensive experience in electrical construction, commissioning and maintenance.
- Mega power projects experienced.
- Areas of Expertise:

- Electrical commissioning.
- EPC projects.
- Construction & erection.
- Maintenance.
- Power transformers.
- Turbo generators.
- GIS.
- LV / MV / HV switchgear.
- Industrial automation.
- PLC.
- SCADA.
- Motion control.
- Steam power plants.
- CCPP.
- UPS & DC systems.
- Electrical drawings.
- Tenders.
- EPlan Electric.

- Career Highlights:
  - Awarded an exceptional raise for preserving company's assets through innovative maintenance techniques.
  - Participated in commissioning two major mega power projects (Sidi Krir 750MW CCPP – Damanhour 300MW SPP).
  - Awarded a private contract by NEM Energy b.v. to repair the drum level monitoring system of HRSG 1 & 2 of Sidi Krir 750MW CCPP.
  - Saved about 15k$ by carrying out the erection of two MV iron clad switchgear instead of hiring a contractor.
  - Awarded for retrofitting and erecting 24 HV disconnecting switches and slashing the installation cost by 60% along with my colleges.
  - Saved the company about 50K$ by repairing the main DC charger (220V /500A) instead of replacing it.
  - Saved about 20K$ by reprogramming the PLC based blowing systems instead of hiring a contractor.
  - Introduced HV circuit breakers overhauling for the first time and succeeded.
  - Saved with my colleges about 100K$ for disassembling and overhauling three turbo-generators (11.5KV / 85MVA) instead of hiring a specialized contractor.
  - Introduced for the first time RCM strategy to the maintenance departments of the company.