

102282-ELE-1M-E-2009
Senior Electrical Maintenance Engineer

Holds a B. Sc. and Diploma in Electrical Power Engineering and has over 13 years experience working in maintenance field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/05/1985
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power & Machine Engineering, Aswan High Institute of Energy, 2009
: Diploma in Electrical Power Engineering, Alexandria University, 2013

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Common faults of steam turbine.
: Design reports by Empac.
: CS3000 operation course (DCS) (Yokogawa).
: Power transformer (Areva).
: Transformer protection (Toshiba).
: PLC certification from Jelecom.
: ICDL certification from New Horizons.
: Training at Interdyne Corporation, under supervision of U.S. Army Corps of Engineers (Jul. 2008 - Sep. 2008).
: Training at Mantrac (Sole Dealer for Caterpillar Equipment in Egypt) (Jul./Aug. 2007).
: Training at Alsei of Power Station (Aug. 2006).

- : Training at Cooperative Association of Petroleum Co. (Jul./Aug. 2006).
- : Training at Abu Qir Company to Generate Electricity.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2010 till now
- Employer** : WEST DELTA ELECTRICTY PRODUCTION COMPANY (WDEPC)
- Project** : Sidi Krir Power Plant (Combined Cycle 750MW)
- Job title** : Senior Electrical Maintenance Engineer
- Job Description** :
- Electrical Engineer member of Maintenance team for:
 - Two MHI Gas Turbine Generator units, Each one is 350 MVA/ 21KV Hydrogen cooled with Static excitation system & Beckwith protection devices, namely:
 - ❖ (M3425-A) Generator Protection Relay with IPScom Software, Version: D- 0133V02. 03. 16.
 - ❖ (M3310) Excitation transformer protection Relay with IPScom Software, Version: D- 0055V01. 07. 00.
 - Digital Automatic Voltage Regulator: Manufacturer: MHI, Type: MEC600.
 - Auxiliary systems of MHI Gas Turbine Generator units (Pulse Air System, Purge air system, Seal air system, Gas Compressor system, Turbine Cooling Air Cooler system, Seal oil system, Lube oil system & Control oil, ...).
 - Motors maintenance works (Megger Test, Bearing Check, ...).
 - DC system: Manufacturer: Gutor Electronic Ltd, Type: SDC -125-600-R.
 - UPS system: Manufacturer: Gutor Electronic Ltd, Type: WEW-1/090-125/230-EAN.
 - Overhead Cranes: Manufacturer: KONE CRANES.
 - Traveling Water Screen system.
 - Trash rack system.
 - Lighting system.
 - Protection of:
 - ❖ GT2 AREVA Main Transformer (300 MVA - 21KV / 500KV – oil immersed - off load tap changer).
 - ❖ GT2 AREVA Auxiliary Transformer (32MVA - 21KV / 6.3KV / 6.3KV - oil immersed - on load tap changer).
 - ❖ Protection device type for Main & Auxiliary Transformers: SIEMENS SIPROTEC.
 - ❖ SIPROTEC types & Protection functions for Main & Auxiliary Transformers are:
 - 7UT613 Main TR. Diff. Relay.
 - 7UT613 Aux. TR. Diff. Relay.
 - 7UT613 Cable Diff. Relay.
 - 7UT635 Overall Diff. Relay.
 - Protection program: DEGSI 4.83 program.
 - Mechanical Tests of Auxiliary Transformer.
 - Protection of Medium Voltages Switchgears (6.3KV) Schneider SF6 type circuit breakers with Sepam protection devices.
 - Testing of Medium Voltages Switchgears (6.3KV) Schneider SF6 type circuit breakers:

- ❖ Contact Resistance Test.
- ❖ Timing Test.
- ❖ Hipot Test.
- Gas Turbine Overhaul Inspection:
Electrical Engineer member of Maintenance team for:
 - Outage April 2015 (Minor Overhaul Inspection).

Dates : From Nov. 2009 till Apr. 2010
Employer : Interdyne Corporation, under supervision of U.S. Army Corps of Engineers for Repair
Job Description : Preventive and Remedial Maintenance of Egyptian Navy Equipment.

Dates : From Oct. 2009 till Nov. 2009
Employer : Nile Linen Group