

102574-ELE-1MOS-E-2005
Electrical Maintenance Engineer

Holds a B. Sc. in Electrical Power Engineering and has over 16 years hands-on experience, including 13 years working in operation, maintenance, commissioning and start-up at Sidi Krir Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/09/1979
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power Engineering, Menoufia University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Training course on basic operation of (Mitsubishi) 701F gas turbine and auxiliaries, operation of purge air compressors, operation of pulse air compressors operation of gas compressors. In addition to classroom training deeply covers the description of the above mentioned topics (Jun. 2009).
- : Training course in (Schneider Electric) on operation and maintenance for MV SWGR's type (RoNex), MV C.B's type (LF), LV SWGR's type (Blok Set), LV C.B's, D.O.L starters, Sepam configuration, Characteristics, Protection function, measurement, metering reading, Transformer classification, concept, types, routine tests and EMCS system overview (Apr. 2010).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2014 till now
Employer : West Delta Electrical Production Co.

- Project** : Sidi Krir 750MW Combined Cycle Power Station
(2 x 2 Mitsubishi Gas Turbines, 3 x Atlas Copco Gas Compressors, 2 x 2 NEM Heat Recovery Steam Generator, 1 x Ansaldo Energia Steam Turbine, Toshiba main contractor for Auxiliaries, Yokogawa DCS System & Schneider Switchgear)
- Job title** : Electrical Maintenance Engineer
- Job Description** :
 - Beckwith protection devices: (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.
 - Overhead Cranes.
 - Traveling Water Screen system.
 - Trash rack system.
 - Maintenance of Medium Voltages Switchgears (6.3KV) Schneider SF6 type circuit breakers.
- Dates** : From Jan. 2011 till Jun. 2014
- Employer** : West Delta Electrical Production Co.
- Project** : Sidi Krir 750MW Combined Cycle Power Station
(2 x 2 Mitsubishi Gas Turbines, 3 x Atlas Copco Gas Compressors, 2 x 2 NEM Heat Recovery Steam Generator, 1 x Ansaldo Energia Steam Turbine, Toshiba main contractor for Auxiliaries, Yokogawa DCS System & Schneider Switchgear)
- Job title** : Shift Charge Engineer
- Job Description** :
 - Coordinate production start-ups, shutdowns, and changeovers.
 - Assure safe, fast and efficient resolution of problems to return systems and equipment to ready-to-run condition; encourages reasoned and reasonable risk-taking.
 - Operation within standard operating procedures and Job Safety Analysis.
 - Supervise subordinates in accordance with plant policies and procedures.
 - Manage staff to resolve complex or out of policy operation problems.
 - Serve as a coach and mentor to team members and motivates team members to work effectively, productively, and with minimum supervision in a team environment.
 - Develop effective training/education plans for team members to meet changing expectations of a competitive environment.
 - Coordinate department activities and special projects to ensure quality and meet timetables.
 - Coordinate with Human Resources for appropriate staffing levels.
- Dates** : From Jun. 2009 till Jan. 2011
- Employer** : West Delta Electrical Production Co.
- Project** : Sidi Krir 750MW Combined Cycle Power Station
- Job title** : Mechanical & Electrical Commissioning & Start-up Engineer
- Job Description** :
 - Following and supervising installation, pre-commissioning and commissioning tests of 3 Atlas Copco Gas Compressors including: trial tests and runs, Surge Region Setups for each compressor and

Compatibility with Gas turbine demands and abnormalities.

- Following and supervising installation, pre-commissioning and commissioning tests of 2 Mitsubishi's 701F Gas turbines, Power Generators and its auxiliaries including: trial tests, simulation and interlock tests, trial run ups, load rejection tests, load runback tests, trip tests and house load test and that's for Gas and Oil Firing.
- Following and supervising installation, pre-commissioning and commissioning tests of 2 NEM's Heat Recovery Steam Generators including doing steam blowing of main steam lines.
- Following and supervising installation, pre-commissioning and commissioning tests of Ansaldo Energia's Steam Turbine, Power Generator, Steam Condenser and Steam Bypasses and its auxiliaries including: trial run up, online and offline tests, simulation tests, load rejection tests, load runback tests and trip tests.
- Following and supervising installation, flushing, pre-commissioning and commissioning tests of main plant auxiliaries' systems: Service water system, Circulating water system, Vacuum System, Condensate System, Closed Cooling System, Compressed Air System, Service Gas System, Fuel Oil System and filling System.
- Worked as a Process Engineer in reviewing and modification of plant logic with instrumentation and control department to achieve maximum compatibility of plant logic.
- Reporting any new activities on site, following commissioning tests, coordinating with several contractors to achieve minimum time with maximum progress step by step with project consultant (PGESCo.).

Dates : From Apr. 2006 till Oct. 2008
Employer : Prefabricated Buildings Industry in Armed Forces
Job title : Electrical Maintenance Engineer / Operation Engineer