

102546-ELE-1OS-E-2008
Commissioning & Operation Lead Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 11 years hands-on experience working in operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/12/1986
Gender : Male
Marital Status : Married
Residence : Mansoura

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, El-Shorouk University, 2008

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Gas turbine operation course SIEMENS V94.3A - T3000 control system.
: Training course in security of power plants.
: CMI Energy + Skoda Praha HRSG on-job training.
: ALSTOM Site operation training about I&C Steam turbine generator and auxiliaries.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2017 till now
Employer : Orascom Construction Company
Project : Assiut Power Plant Combined Cycle 1500MW
(GE frame 9E gas turbine and 8 HRSG DOOSAN + (2x250MW) GE D200 steam turbine)
Job title : Commissioning & Operation Lead Engineer

- Job Description** :
 - Operation system Mark VI GE System.
 - Switch yard Breakers Schneider and ABB Low voltage.
 - Transformer Hyndaiy and Hysong.
 - GIS and Back energized from grid to devices.
 - Hydro test, re-installation and walk down
 - Make punch list.
 - Solo run test to all motor pumps.
 - Check alignment of pumps.
 - Starting flashing to loops to prepare the HRSG.
 - Steam blow to value CFR.
 - Target plate.
 - Hot cleaned at ACC.
 - Check and Flashing lube and Hydraulic oil.
 - All them worked under LOTO.
 - Make performance test.
 - Load rejection test.
 - Test the realability Run.
- Dates** : From Mar. 2015 till Apr. 2017
- Employer** : Middle Delta Electricity Production Company
- Project** : New Talkha 750MW Combined Cycle Power Plant
(2 gas Turbine Siemens (SGT5-4000F), 2 HRSG CMI, Steam turbine ALSTOM DKYZZ3-2N41C)
- Job title** : Deputy Operation Manager
- Job Description** :
 - Daily reports for the normal operation of units.
 - Solve problems & fix faults.
 - Trouble shooting, effective response to emergency conditions and compliance to safety procedures.
- Dates** : From Sep. 2012 till Mar. 2015
- Employer** : Middle Delta Electricity Production Company
- Project** : New Talkha 750MW Combined Cycle Power Plant
- Job title** : Shift Charge Operation Engineer
- Job Description** :
 - Daily reports for the normal operation of units.
 - Co-ordinate between Operation Dept. & Maintenance Dept. to solve problems & fix faults.
 - Troubleshooting, effective response to emergency conditions and compliance to safety procedures.
- Dates** : From Oct. 2010 till Sep. 2012
- Employer** : Middle Delta Electricity Production Company
- Project** : New Talkha 750MW Combined Cycle Power Plant
- Job title** : Field & DCS Engineer for steam turbine
- Job Description** :
 - Participate in commissioning and start-up of ALSTOM (250MW) DKYZZ3-2N41C steam turbine.
 - Participate in construction, commissioning, steam blow, by-pass operation and start-up of ALSTOM (250MW) and CMI HRSG.
 - Steam Turbine Operator for ALSTOM (250MW).

- Dates** : From Mar. 2009 till Oct. 2010
- Employer** : Middle Delta Electricity Production Company
- Project** : New Talkha 750MW Combined Cycle Power Plant
- Job title** : Field & DCS Engineer for SIEMENS gas turbine
- Job Description** :
- Participate in construction, commissioning and start-up of SIEMENS V94.3A gas turbine.
 - Operation of 2x250MW SIEMENS V94.3A gas turbine - Teleperm XP control system and T3000 new operating control system and associated auxiliary through DCS.
 - Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.
 - Performing the unit start-ups and shutdowns per assigned targets.
 - Troubleshooting, effective response to emergency conditions and compliance to safety procedures.
 - Diagnose and resolve day-to-day operational problems.
 - Raising defects for equipment & doing isolation and de-isolation procedures according to the work permit.
 - Perform high/medium voltage switching operations.
 - Handling plant fire fighting.
- Field of experience** :
- Over 11 years experience with gas turbine and combined cycle control system and operation parameters.
 - Full understanding of the principles of gas turbine and combined cycle operation with the ability to comprehensively record and understand and interpret the performance curves of gas turbine.
 - Troubleshooting and fault-finding skills on gas turbine and combined cycle, control system, hydraulics, pneumatics and electric systems.