

102546-ELE-14OS-E-2008
Team Leader Commissioning Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 14 years' experience working in operation, commissioning and start-up.

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 Feb. 2020 till now
Employer : Enppi
Project : Assiut Oil Refinery Co. - ASORC NAPHTHA COMPLEX PROJECT ISBL
Job Description :

- Team Leader Commissioning Engineer:
 - Demineralization unit (two trains) 30 m3/hr (ACF 'CATION' STRIPPIBNG TOWER, ANION' MIXD BED).

- Cooling tower.
- Air separation units.
- Nitrogen generation package N2.
- Air Compressor (3 compressors), AIR Dryer.
- Gas fuel system.
- Fuel oil system.
- Diesel fuel system.
- Condensate system.
- Flare package.
- Tanks Storage and make leakage Test.
- Boilers (2 Boilers BoNO ENERGIA water tube and Steam Network).
- Worked at honey well Operating system DCS.
- Utilities Shift Team Leader / Senior Utilities Process Engineer - Controlling and Supervising the following utility units:
 - Supervise shift operation manner and utility plants operation from Both CCR and "DCS" and Offsite, and act as closed communicator with field Operators and Panel Operator. Coordinator with maintenance Team for Preventive and Scheduled maintenance Activities, and Preparing Shut-down list for maintenance.
 - Participate in critical operating procedures on the shift to provide control and coordination which includes commissioning and testing of new equipment, start-up and shut-down for different units and dealing with any emergency situation which may arise according to correct procedures.
 - Issuing all work permits and safety isolation certificates (SIC), conducting first level of investigation of any incidents\accidents and participating in risk analysis for any unusual operational or maintenance activities.
 - Supervise daily laboratory results in the shift and take necessary action to eliminate the non-conformity in the water chemistry for water systems "DEMI, BFW" and Boilers.
 - Prepare standard Operating Procedures for new Utility Plants and review operating standards for major actives.
 - Closed coordination with process shift supervisors and day production Engineer.
 - Prepare special activities reports to production engineer.
 - Prepare Daily Reports and plant performance for different utility plants to production engineers.
 - Monitoring staff performance, proposing and training staff of new operators.

Dates : From Dec. 2017 till Dec. 2019

Employer : GS E&C

Project : ERC (Egyptian Refinery Co.)

Job title : Commissioning Field Engineer (VDU)

Job Description :

- Check pipe lines after construction completion.
- Issue punch lists for open items and follow up until release to test.
- Reactors and vessels inspection.
- Perform catalyst loading activities, sand filters loading and activated carbon filters loading.
- Perform piping Pre-Commissioning activities (Dewatering, Drying and Air Blowing).

- Perform and supervise for All piping Pre-Commissioning Activities as Dewatering, Drying and Air Blowing.
- Samplings of Products & start-ups and shutdowns of Plant.
- Execute start-up, shut down and operating procedures for compressors, furnaces, distillation towers, electric motors, fans, pumps, instrumentation, valves and alarms.

Dates : From Apr. 2015 till Dec. 2017

Employer : GE

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 :

- Utilities: Boilers, Demi water, Cooling tower, Chemical injection skid, Air compressors and Air dryers.
- Industrial Storage Tanks: Containers used for storage of gas, oil & Water and petrochemicals products.
- Operation system Mark VI GE System.
- Switch yard Breakers Schneider and ABB Low voltage.
- Transformer Hyundai and Hyosung.
- 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 reliability Run.

Dates : From Mar. 2013 till Apr. 2015

Employer : Middle Delta Electricity Production Company

Project : New Talkha 750MW Combined Cycle Power Plant
(2 gas Turbines 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.
- Field training.

Dates : From Sep. 2012 till Mar. 2013

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 14 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.