

**100992-ELE-1OS-E-2006**  
**Lead Shift Charge / Operation Engineer**

Holds a B. Sc. in Electronics & Electrical Communications Engineering and has about 15 years hands-on experience working in commissioning, start-up and operation at several Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 04/02/1984  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## EDUCATION

: B. Sc. in Electronics & Electrical Communications Engineering, Menoufia University, 2006

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

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

## TRAINING COURSES AND CERTIFICATIONS

- : Gas Turbine operation training in El-Kureimat Power Plant (GE 9001FA).
- : Maintenance of gas turbine stations (SIEMENS), 96 hours GAS TURBINE operation and maintenance training program, Nubaria.
- : On-shore training of ALSTOM (HRSG) operation, Nubaria.
- : On-shore training of Mitsubishi STG (125/22/5 bar HP/IP/ LP) 250MW steam turbine operations, Nubaria.
- : On-shore training of gas turbine Siemens v94.3A each one produces 250MW, Nubaria.
- : On-shore training of high and medium voltage (500KV/220KV/6.3KV), Nubaria.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jan. 2018 till now  
**Employer** : Shanahan Engineering Company

- Project** : Riyadh Power Station No 14 (PP14 - 1850MW):  
PP14 is approximately 40 km away of Riyadh city in KSA. The facility is 2 blocks of a 3 x 3 x 1 combined cycle configuration consisting of:
- 6 GE (Frame 7001FA.05) gas turbines.
  - 6 STF HRSG 2 pressure reheat cycle.
  - 2 GE (Frame D11) Steam Turbines.
- Job title** : Lead Shift Charge Engineer, then Lead Operation
- Job Description** :
- Lead and Manage shift activities for safe and efficient plant operation.
  - Responsible for operating 6 GE gas turbine 9FA05, BOP include WTP.
  - Responsible for operating and switching HV, MV and LV Switchgears.
  - Managing and reporting of operations data on daily, weekly and monthly basis.
  - Attend the daily commissioning meeting to discuss and plane the activities.
  - Ensure that operation procedures, policies and philosophy are applied appropriately to any given operational circumstance.
  - Preparation, Review and Implementation of standard & Emergency operating procedures.
  - Coordinate with external bodies like the client and regional control center for power dispatch and switching operations on transmission lines.
  - Coordinate with maintenance departments and prioritization of jobs to ensure safety and plant availability
  - Investigation and troubleshooting of operational problems.
- Dates** : From Mar. 2016 till Dec. 2017
- Employer** : Arabian Bemco Company
- Project** : Riyadh Power Station No 10 (PP10 - 3900MW):  
PP10 is approximately 40 km away of Riyadh city in KSA. The facility is a 4 x 4 x 1 combined cycle configuration consisting of:
- 40 GE (Frame 7FA) gas turbines.
  - 40 NEM HRSG 2 pressure reheat cycle.
  - 10 GE (Frame 4 SG 128MW) Steam Turbines.
- Job title** : COMMISSIONING & START-UP OPERATION ENGINEER
- Job Description** :
- Carry out all pre-commissioning and operation activities of combined cycle (chemical cleaning, protection test, ACC Fans, first heat, steam blow, start-up and shutdown and turn over tests for HRSG and Steam Turbine).
  - Assist combined cycle operation personnel on daily basis to achieve the optimum operating conditions for combined cycle and keep the power station in the highest available Level of performance and operating condition.
  - Reviewing drawings and specifications to ensure a thorough understanding of plant operational and safety related issues.
  - Applying the project Commissioning Plan in the execution of the work.
  - Coordinate BOP commissioning activities.
  - Lead, manage and coordinate Operation activities.
  - Conduct meeting with commissioning manager to review testing, commissioning progress and HSE conformance on daily and occasionally more frequent basis as well as meetings with the vendors to resolve any equipment related problems.

- Analyze and address critical areas of progress/delays in testing and commissioning.
- Organizing an operation team, incorporating the training and helping recruiting the required staff and.
- Ensuring that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Conduct commission ability reviews of project documents.

**Dates** : From Aug. 2015 till Jan. 2016  
**Employer** : [EGYPTROL](#) - General Electric (GE)  
**Project** : Assiut Power Plant (8 Gas Turbines, each produce 125MW, type: 9E)  
**Job title** : Commissioning & Start-up Operation Engineer  
**Job Description** :

- Carry out all commissioning activities as per manufacture recommendation.
- Start-up of the units:
  - GE Frame 9E Turbo Generator Units.
  - Mark VI Control System.
- Assist Gas Turbine operation personnel on daily basis to achieve the optimum operating conditions for the Gas Turbines and keep the power station in the highest available Level of performance and operating condition.

**Dates** : From Jun. 2014 till Jul. 2015  
**Employer** : ANSALDO Energia  
**Project** : Giza North Power Plant Combined Cycle (3 Steam Turbines, each produce 250MW)  
**Job title** : Lead Commissioning Engineer  
**Job Description** :

- Lead all commissioning activity.
- Reviewing drawings and specifications to ensure a thorough understanding of plant operational and safety related issues.
- Applying the project Commissioning Plan in the execution of the work.
- Lead and coordinate BOP commissioning activities.
- Lead, manage and coordinate Operation activities.
- Coordinate with consultant and owner.
- Reporting to the Ansaldo Commissioning manager.
- Conduct meeting with commissioning manager to review testing, commissioning progress and HSE conformance on daily and occasionally more frequent basis as well as meetings with the vendors to resolve any equipment related problems.
- Analyze and address critical areas of progress/delays in testing and commissioning.
- Organizing a commissioning team, incorporating the training and helping to recruit the required staff and operation team.
- Ensuring that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Conduct commission ability reviews of project documents.
- Ensure all construction activities are completed prior to taking up the system for commissioning.

**Dates** : From Jul. 2013 till Jun. 2014  
**Employer** : ANSALDO Energia  
**Project** : 6<sup>th</sup> October Power Plant 600MW Simple Cycle Extension Project  
**Job title** : Commissioning & Turnover Engineer  
**Job Description** :
 

- Prepare the documents from WINPCS (i.e. check-sheet, Punch-list, etc.).
- Make documents for all each Electrical, Mechanical and Instruments Components.
- Follow Commissioning Team.
- Coordination with Electrical, Instrumentation & Mechanical for the work permits for work will be done day by day.
- Compiling of System Component List, Punch List, and Document required for operation, & Inspection test record for system Completion package.
- Monitoring of Punch item category and coordinating & follow up with discipline for the punch closing and inform company for verification.
- Submission of Mechanical, Instrument and Electrical Completion Dossier after completion Commissioning and start up certification.
- Preparation of system definition drawing for Commissionable system for Electrical, Control Automation and Non-P&ID systems.
- Maintaining Librarian filling for all types of documents such as drawings, specifications, manuals, procedures, test records, Field design change, system definition drawing, transmittal and others for easy retrieval when requested.

**Dates** : From Jan. 2008 till Jul. 2011  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : NUBARIA CCPP 2250MW  
**Job title** : Turbine Operation Shift Charge / Site Engineer  
**Job Description** :
 

- Carry out all the required O&M activities as per manufacture recommendation.
- Assist Gas Turbine operation personnel on daily basis to achieve the optimum operating conditions for the Gas Turbines and keep the power station in the highest available Level of performance and operating conditions.
- Safe operation for GTG Siemens 250MW x 4 UNITS and all auxiliaries during the reliability period.
- Energizing of 500KV and 220KV switchyard.
- Switchgear 6.3KV and MCC 400 v for all plant auxiliaries.
- Responsible for daily report.

**Field of experience** :
 

- About 15 years solid experience in Start-up, Operation and PTW of Power generation Plants.
- Strong understanding in the process and operation philosophies of gas and combined power generations.
- Well-exposed and experienced in the operation / Commissioning of the following:
  - Gas Turbine-Generator Units GE Frame 9FA (250MW) & 9E (120MW) & 7FA05 (210MW).
  - Steam Turbine-Generator Units GE Frame 4SC (132MW) & D11

(320MW).

- Gas Turbine-Generator Siemens V94.3A (250MW).
- Steam Turbine-Generator Units Ansaldo Energia.
- Rotating Equipment Operation (Compressors, Pumps, ...etc.).
- HRSG Operation for Alstom Horizontal HRSG & HRSG NEM & HRSG STF.
- Steam Turbine Mitsubishi (250MW).
- PTW and LOTO (Log Out Tag Out).
- Operating Systems (GE Mark VI, Siemens SPPA T3000, Alstom ALSPA P320, MHI DIASYS Netmation, Yokogawa Centum).
- HV, MV and LV Switch gears Switching Operation.
- HRSG Chemical cleaning, Steam blow and Commissioning tests.
- Possess strong leadership and dynamic interface in a team environment and working with others to achieve the best possible output from all functional viewpoints.
- Actively display initiative in the development and modification of existing design with the responsibility for meeting customer requirements and company internal requirements.
- Support the technical development and Design functions through the evaluation and analysis capabilities if requested.
- Demonstrated ability to work independently or to lead a team to complete projects within required timeframes.
- Demonstrated abilities and passion for providing technical advice to staff members and embracing a culture that values teamwork.