

**100969-ELE-MOS-E-2005**  
**Commissioning & Shift Charge Engineer**

Holds a B. Sc. in Electrical Power Engineering and has about 12 years hands-on experience in operation, commissioning, start-up and maintenance of electrical equipments at several Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 15/12/1982  
Gender : Male  
Marital Status : Married  
Residence : Maadi, Cairo

## EDUCATION

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

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

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

## TRAINING COURSES AND CERTIFICATIONS

- : Operating Training about (HRSG) Heat Recovery Steam Generator and (BOP) Balance of Plant, CMI Company Training Center in BELGIUM (Jun./Jul. 2009).
- : Operating Training about Siemens Gas Turbine Model V94.3A, El-Kureimat Training Center (from Jan. till Mar. 2007). The Training Course includes all data about Siemens Gas Turbine Model V94.3A, start-up & shutdown procedure, normal & emergency operation, troubleshooting, 6.3KV Switchgear, 400 V Load Center, Generator & Transformer Protection and Diesel Generator.
- : Protection Training Session, El-Kureimat Training Center (from Sep. till Nov. 2006). The Training Course includes all the Protection Systems of 220KV (GIS) Gas Insulated Substation, one and half Technique.
- : Training Session in El-Kureimat Training Center in El-Kureimat (2x627MW Thermal Power Station) (Jul./Aug. 2006). The Training includes all electrical & mechanical information about all power plant types.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Mar. 2017 till May 2018  
**Employer** : SIEMENS S.A.E  
**Project** : Beni Suef Combined Cycle Power Plant 4800MW  
**Job title** : Commissioning & Shift Charge Engineer  
**Job Description** :

- To Develop and implements Commissioning strategy consistent with achieving maximum plant efficiency to meet Customer Requirements.
- To create and review test procedures as per SIEMENS commissioning plane and procedures.
- To provide technical training for the client personnel.
- To Monitor progress, recording all test results, witnessing final testing and acceptance of equipment.
- To supervise the operation safely and efficiently for 8x406MW SGT-8000H SIEMENS gas turbines with (SPPA-T300 Control System), SGen - 2000H Hydrogen cooled generators, 8 NEM HRSGs and 4x406MW SST5-5000 SIEMENS Steam turbines.
- To provide technical support for client operation and maintenance team as per SIEMENS strategy.
- To ensure safe working conditions during all commissioning phases.

**Dates** : From Nov. 2014 till Dec. 2016  
**Employer** : JV (BEMCO – GS)  
**Project** : PP#12 Combined Cycle Power Plant, Saudi Arabia  
**Job title** : Lead Commissioning & Operation Engineer  
**Job Description** :

- Perform with commissioning team all commissioning activities for 8x180MW GE- MS7001FA .05 gas turbines "Mark Vie Control System" with hydrogen Cooled generators.
- To perform and follow-up with commissioning team all pre-commissioning and commissioning activities like: Hydro test, chemical cleaning, Steam blowing, safety valves test, etc. for 8 ALSTOM HRSGs and 2x340MW ALSTOM STGs as per ALSTOM Commissioning Inspection and Test Plan (ITPL).
- Assist the implementation of Log Out / Tag Out (LOTO) System in accordance with the company policies and procedures .
- Impart training and supervise the work of subordinate staff.
- To assist the training and qualification of Customer's operations team as per guidelines of the company.
- Take full responsibility for health, safety and environment by following all EHS requirements during work.
- Ensure that shift in charge engineers and members of the operations team adhere to company rules and work ethics.
- To prepare operations activities reports as per requirements of the operation manager.
- To provide coverage for Operations Manager in case of absence.

**Dates** : From Nov. 2013 till Nov. 2014  
**Employer** : Power Generation Engineering and Services Co. (PGESCO)  
**Project** : Giza North Combined Cycle Power Plant

**Job title** : Start-up & Commissioning Engineer  
**Job Description** :

- Commissioning and operation for 6x250MW GE gas turbines "Mark V1e control system" - frame MS9001FA.
- Carrying on the construction work of 3x250MW - SIEMENS steam turbines by ANSALDO Company, 6 x HRSG by STF Company and all of combined cycle auxiliaries.
- Performing and presenting all gas turbine tests.
- Monitoring turbines, generators, transformers, all motors, pump and all plant equipment's.
- Ensure operations related activities are performed in compliance with company standards and regulations.
- Involved in commissioning activities of combined cycle power plant.
- Performing troubleshooting for simple cycle.
- Managing and arrangement between all contractors and sub cont.
- Issue PTWs to all contractors and subcontractors.

**Dates** : From Apr. 2013 till Sep. 2013

**Employer** : Arabian BEMCO Contracting Industrial Co.

**Project** : Qurayyat Simple Cycle Power Plant, Saudi Arabia

**Job title** : Lead Operation Engineer

**Job Description** :

- To control and operate safely and efficiently 2x60 GE gas turbines "Mark vie control system" frame MS7001EA and all of auxiliaries.
- Performing and presenting all turbine commissioning activities.
- Responsible for the safe and proper operation for all plant.
- Fast acting in emergency cases.

**Dates** : From Mar. 2012 till Mar. 2013

**Employer** : Hyundai Heavy Industries (HHI) Co.

**Project** : PP#11 Combined Cycle Power Plant, Saudi Arabia

**Job title** : Commissioning & Shift Charge Engineer

**Job Description** :

- To control and operate safely and efficiently 7x180MW GE gas turbines "Mark Vie Control System" - frame MS7001FA with hydrogen Cooled Gen.
- Involved in commissioning activities for 2x300MW GE-D11 steam turbines with "Mark Vie Control System", 7 x HRSG with air cooled condenser and auxiliary duct burners and all of combined cycle auxiliaries.
- Take regulatory action, based on readings from charts, meters and gauges, at established intervals.
- Involved in commissioning activities of combined cycle power plant.
- Maintain safe and healthy work environment by following and enforcing standards and procedures; complying with legal Regulations.
- Fast acting in emergency cases.
- Communicate with dispatchers to match production with system requirements.

**Dates** : From Dec. 2011 till Feb. 2012

**Employer** : Ansaldo Energia Co. (by EGYPTROL)

**Project** : 6<sup>th</sup> October Simple Cycle Power Plant (4x150MW)

- Job title** : Commissioning & Start-up Engineer
- Job Description** :
- To follow up the Commissioning and start-up activities for 4x185MW Ansaldo Energia AE94.2 gas turbines powered by ABB Control System and all of Auxiliaries.
  - Monitoring generators, transformers, all motors, and pumps and all plant equipment's.
  - Responsible for the safe and proper operation of a power plant.
  - Fast acting in emergency cases.
- Dates** : From Feb. 2011 till Dec. 2011
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Project** : El-Kureimat III Combined Cycle Power Plant (750MW)
- Job title** : Electrical Maintenance Engineer
- Job Description** :
- To investigate problems, diagnosing and repairing faults.
  - To Schedule and undertake periodic maintenance on all electrical equipment, components, and installations.
  - To perform preventive and corrective maintenance for all electrical equipment's inside the power plant as:
    - Low / Medium voltage motors.
    - Low / Medium /High voltage transformers.
    - Switch gears.
    - Batteries.
- Dates** : From Feb. 2010 till Feb. 2011
- Employer** : Arabian Bemco Contracting Industrial & Power Project Co.
- Projects** :
- Riyadh PP#10 Gas Turbine (32x55MW) – KSA
  - Qurayyah 2 Combined Cycle 15x160MW – KSA
- Job title** : Commissioning & Start-up Engineer
- Job Description** :
- Commissioning and operation for 15x180MW GE gas turbines "Mark vie control" - frame MS7001FA with hydrogen cooled generators.
  - Commissioning and operation for 16x80MW GE gas turbines "Mark Vie Control" - frame MS7001EA.
  - Monitoring generators, transformers, all motors, and pumps and all plant equipment's.
  - Maintain safe and healthy work environment by following and enforcing standards and procedures.
  - Issue work permits to all contractors and subcontractors as per CTA procedures.
  - Carry out safety isolation and precautions.
- Dates** : From Jul. 2009 till Feb. 2010
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Project** : El-Kureimat III Combined Cycle Power Plant (750MW)
- Job title** : Shift Charge Engineer
- Job Description** :
- Attending and following the Commissioning and operation for 2x250MW GE Gas Turbines / frame MS9001FA controlled by Mark Vi Control with hydrogen cooled generators, 2-CMI-HRSG, 1x250MW ALSTOM STG All of Auxiliaries & BOP.

- Monitoring generators, transformers, all motors, and pumps and all plant equipment's.
- Safe start-up and shutdown operation.
- Fast acting in emergency cases.
- Involved in HRSG commissioning work.

- Dates** : From Jul. 2006 till Jul. 2009
- Employer** : Upper Egypt Electricity Production Company
- Project** : El-Kureimat II Combined Cycle Power Plant (750MW)
- Job title** : DCS Operation Engineer
- Job Description** :
- Attending and following all Commissioning phases for 2x250MW SGT5-4000F / V94.3A Gas Turbines.
  - Responsible for field & DCS operation of 2x250MW SIEMENS gas turbines model SGT5-4000F/ V94.3A, teleperm xp control System, 2-CMI- HRSG, 1x250MW HITACHI STG, All of Auxiliaries & BOP.
  - Monitoring generators, transformers, all motors, and pumps and all plant equipment's.
  - Safe start-up and shutdown operation.
  - Monitoring the operation from the field if it is required.
  - Fast acting in emergency cases.
  - Ensure all equipments are working smoothly and efficiently.
  - Operation for Siemens 220KV GIS (gas insulated switch yard), 1.5 CB arrangement, contains connections of (6 generators, 8 outgoing & 6 power transformers).
  - Monitoring the control panels for these connections and all protection systems.
  - Carry out the maneuvering of connect and disconnect with dispatch.
  - Carry out safety isolation and precautions.
- Field of experience** :
- 12 years of experience in the field of power plant, Proficient on start-up/operation/maintenance/commissioning of CCPPs, within the range of 750 to 4800MW.
  - Excellent knowledge of Siemens V94.3A, SGT5-8000H and Ansaldo AE94.2 & GE Frame 9FA, 7FA, 7EA Gas Turbines and with all related Aux.
  - Excellent knowledge of HRSGs (ALSTOM, NEM and CMI) & Water/Steam cycle (WSC) and all related BOP.
  - Excellent knowledge of SIEMENS ST5-5000, HITACHI, GE D11 STG & Alstom STG all related BOP.
  - Excellent knowledge of the implementation of Safety rules and Log Out / Tag Out (LOTO) System in accordance with the Company policies and procedures.
  - Proficient with CCPP daily reports, O&M Manuals and Design Engineering Documents, i.e. P&ID, technical specs, data sheet, Layouts, etc.
  - Proficient in team leading and coordinating, familiar with splitting tasks on team's members.
  - Solid experience in preparing technical training materials as a Training Instructor.
  - Previous working experience in Egypt, KSA.

- Ability to read and interpret documents such as P&ID's, schematic diagrams, safety rules, commissioning Books, operating and maintenance instructions and procedure manuals.
- Ability to write routine reports and correspondence. Should be able to read P&ID's.