

**100981-MEC-18OSY-E-2006**  
**Shift Charge Engineer (Commissioning)**

Holds a B. Sc. in Mechanical Power Engineering and has about 16 years hands-on experience in operation, commissioning and start-up of Power Stations.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 10/08/1984  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2006

## LANGUAGES

Arabic : Native Language  
English : Fluent

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Training in Italy for operation of steam turbine (Ansaldo Workshop at Genua).
- : On-shore training for operation of gas turbine.
- : On-shore training for operation of pumps.
- : On-shore training for operation of HRSG by NEM Company.
- : On-shore training for operation of fire fighting.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Nov. 2021 till Oct. 2022  
**Employer** : [EGYPTROL](http://www.egyptrol.com), Consortium of MHPS & Elsewedy Power  
**Project** : Layyah, Sharjah, UAE  
(2x345MW MHPS Gas turbine 701F through DIASYS Netmation Control system+ and BOB through Emerson Ovation Control System)  
**Job title** : Shift Charge Engineer (Commissioning)

- Job Description** : Responsible for operation shift team for start-up and shutdown all the plant safely and with optimized performance.
- Dates** : From Oct. 2019 till Sep. 2021
- Employer** : [EGYPTROL](#), AC Boilers Subcontractor
- Project** : Al-Shabab Power Plant 1500MW  
(8x125MW GE Gas turbine 9E through Mark Vie Control system + 8 HRSG AC Boiler + 2x250MW Ansaldo Energia Steam turbine through Symphony plus ABB control system)
- Job title** : Shift Charge Engineer (Commissioning)
- Job Description** :
  - Support operation and start-up 8 AC Boiler HRSG through Steam turbine and Air cooled condenser (ACC) with Foxboro Schneider control system.
  - Observe any change in trends behavior and take action before trip.
- Dates** : From Sep. 2018 till Oct. 2019
- Employer** : [EGYPTROL](#), AC Boilers Subcontractor
- Project** : West Damietta 750MW  
(4x125MW GE Gas turbine 9E through Mark Vie Control system + 4 HRSG AC Boiler + 1x250MW Ansaldo Energia Steam turbine through Symphony plus ABB control system)
- Job title** : Shift Charge Engineer (Commissioning)
- Job Description** : Operation and start-up 4 AC Boiler HRSG through Steam turbine and Air cooled condenser (ACC) with Foxboro Schneider control system.
- Dates** : From Jun. 2018 till Sep. 2018
- Employer** : [EGYPTROL](#), Ansaldo Energia Subcontractor
- Project** : 6th October, Egypt  
(4x150MW Ansaldo Gas turbine through Emerson Control system + 4 HRSG Ac boiler + 1x300MW Ansaldo steam turbine)
- Job title** : Control Room Operator (Commissioning)
- Job Description** :
  - Operation and start-up 4 AC boiler HRSG through Steam turbine and Air cooled condenser (ACC) through Emerson DCS.
  - Start-up and Shutdown all units from Dcs.
  - Investigate any issue from alarms and events historical through Emerson Control System and reporting to operation leader.
- Dates** : From Dec. 2017 till May 2018
- Employer** : [EGYPTROL](#), SIEMENS AG Subcontractor
- Project** : AZURA POWER PLANT – Nigeria (150MW x 3 Gas Turbines (SSC5-2000E))
- Job title** : Shift Charge Engineer (Commissioning)
- Job Description** :
  - Monitor the operation of power generating units to ensure reliable and efficient generation.
  - Investigate any issue from alarms and events historical through SPPA-T3000 Control System and reporting to operation manager.
  - Analyze turbine faults and investigate recommend solution.

**Dates** : From Apr. 2017 till Oct. 2017  
**Employer** : [EGYPTROL](#), GE Energy Subcontractor  
**Projects** : Hurghada, Sharm El-Sheikh (6 x LM 6000 GAS Turbine - Generator, 48MW x 6 GAS Turbine Duel fuel, Wood ward control system)  
**Job title** : Control Room Operator (Commissioning)  
**Job Description** :

- Perform Commissioning and start-up and operate the plant Equipment up to T.O.A.C.
- Start-up and shut down of plant equipment's from DCS Room and local.

**Dates** : From Apr. 2016 till Aug. 2016  
**Employer** : Shanahan Engineering Limited  
**Project** : PP12 (8x170MW GE gas turbine 7FA + 8 HRSG ALSTOM + 2x340MW ALSTOM steam turbine), Riyadh – KSA  
**Job title** : Control Room Operator (Commissioning)  
**Job Description** : Start-up 4 ALSTOM HRSG through Steam turbine and Air cooled condenser (ACC) through YOKOGAWA DCS.

**Dates** : From Jun. 2015 till Mar. 2016  
**Employer** : [EGYPTROL](#), GE Energy Subcontractor  
**Project** : Heliopolis – GE TM 2500  
**Job title** : Control Room Operator (Commissioning)  
**Job Description** :

- Start-up and shut down of plant equipment's from DCS Room and local.
- Monitor alarmist.
- Check event list from DCS.

**Dates** : From Dec. 2013 till Apr. 2015  
**Employer** : [EGYPTROL](#), SAMSUNG C&T Subcontractor  
**Project** : Qurayyah Independent Power Plant, KSA:

- 4000MW (6x655MW) Combined Cycle Power Plant.
- 12x229MW SGT6-5000FD-5Duel fuel, Ultra Low NOx Siemens make Gas Turbine.
- 12 x Horizontal HRSG without duct firing at two pressure levels BHI Make HRSG.
- 6x226MW SSTG - 4000 Siemens make Condensing Steam Turbine Generator.
- Siemens T3000 control system.

**Job title** : Shift Charge Engineer (Commissioning)

**Dates** : From Jan. 2012 till Jul. 2013  
**Employer** : [EGYPTROL](#), Ansaldo Energia Subcontractor  
**Project** : 6<sup>th</sup> October Simple Cycle Power Plant (4x150MW = 600MW):

- 15.75/220KV switchyard.
- Fuel gas system.
- Symphony plus ABB control system.

**Job title** : Shift Charge Engineer (Commissioning)  
**Job Description** :

- Start-up and shut down of plant equipment's from Control Room.
- Plant parameter readings taken from DCS.

- Check parameters quality.

**Dates** : From Jan. 2008 till Dec. 2011  
**Employer** : West Delta Electricity Production Co.  
**Project** : Sidi Krir Power Station:  

- 2x250MW Mitsubishi Heavy Industries (MHI) gas turbine.
- 1x250MW Steam Turbine (ANSALDO).
- Heat Recovery Steam Generator (NEM).
- YOKOGAWA CONTROL SYSTEM.
- Metito Water Treatment Plant.

**Job title** : Control Room Operator (Operation)

**Dates** : From Jan. 2007 till Dec. 2007  
**Employer** : West Delta Electricity Production Co.  
**Project** : Sidi Krir Power Station:  

- 2x320MW Steam turbine Siemens (320MW).
- 2 thermal boiler water tube (Babcock).
- Water desalination (multi stage flash distillation).

**Job title** : Control Room Operator (Operation)

**Field of experience** :

- Direct report to Operation Manager / Commissioning Manager.
- Supervise control room / field operator in start-up & shut-down and operation settings for power plant.
- Create reports, such as Daily Generation Reports, Safety Meeting Report, Incident Report and other reports related to facilities failure and send to Operation Manager for approval.
- Log-in all activities during 12 hrs shift operation and make turn over to the next shift.
- Suggestions and Implementation of Process Modifications which improve plant productivity & reliability.
- DCS operation of power plant.
- Day to day's extensive operational / maintenance Jobs Planning and safe execution including the issuing the Safety Work Permits (PTW - hot work, cold work, height work, confined space permit) for routine maintenance jobs, performance monitoring, optimization, troubleshooting and coordination with various maintenance departments.
- Primary accountability to Ensure / Implement Safe Work Practices by following all safety, health, environmental and operation procedures.
- Maintaining the Operations Integrity to meet Production Demand and effectively Manage Expenses and to minimize the Production Cost.
- Preparation of Checklists, Safe Operating Procedures (SOPs), carrying out Risk Assessments (JSA) and ensuring safety standards at the work place.
- Ensure all Safety Facilities are available at site and in ready mode at all time, and also responsible to organize Periodic Trial Run of all passive drives / machines & keeping records of their status to maintain the integrity of facilities.
- Providing Operational & Technical Advice / Guidance of operations activities to maximize operational and production requirement.

- Summary:
  - Experience work in Gulf area as Saudi Arabia (Saudi Electricity Company) and United Arab Emirates (Sharjah Electricity & Water Authority).
  - Extensive knowledge of plant equipment and process.
  - Lead shift team to operate power plant with optimized performance.
  - Familiar with operation of combined cycle and Gas Turbine as SIEMENS and GE as (9E, 7FA, LM6000, TM2500), MHI, Ansaldo Energia.
  - GT, STG and other BOP trouble shooting experience and experience in associated auxiliaries.
  - Operating system experience as SPPA-T3000, Mark VIe, Yokogawa, DIASYS Netmation, Emerson Ovation, Wood Ward, Symphony plus ABB and Foxboro Schneider.