

Holds a B. Sc. in Electronics & Communication Engineering and has about 14 years hands-on experience working in operation, commissioning and start-up at Power Plants.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 24/02/1981  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

## **EDUCATION**

: B. Sc. in Electronics & Communication Engineering, Tanta University, 2004

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Successfully completed the training about PTWO in Siemens permit to work system in Cairo New Capital CCPP by Siemens Company (Aug./Sep. 2017).
- : Successfully completed the operating training about CONRO STEAM for steam turbine and (BOP) balance of plant, by ALSTOM Company Training Center in PP#12 Training Center (Dec. 2015).
- : Successfully completed the operating training about GE MS7001FA0.5 gas turbine in PP#12 Training Center, Saudi Arabia (Feb. 2015). The training course includes all data about GE gas turbine, start-up & shutdown procedure, normal & emergency operation, trouble shooting, 13.8KV switch gear, 480 v load center, generator & transformer protection and diesel generator.
- : Successfully completed the operation of GE gas turbine training session in Alquryah Training Center, Saudi Arabia (Sep. 2014).
- : Successfully completed a thermal power plant training session in Nubaria Combined Cycle Power Plant Training Center, the training includes all electric & mechanical information about all power plant types (Mar./Apr. 2008).

# CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2008 till now
- Employer** : Middle Delta Electricity Production Co. (MDEPCO)
- Project** : Nubaria Combined Cycle Power Plant, Egypt
- Job title** : Shift Charge Engineer
- Job Description** :
- Control and operate safely and efficiently 4x250MW Siemens gas turbines "T3000 Control System" - frame V94.3A with Air Cooled generators.
  - To control and operate 2x250MW Mitsubishi steam turbines with "DCS Control System", involve by 4 x HRSG with water cooled condenser and all of combined cycle auxiliaries.
  - Commissioning and operation for 2x250MW GE gas turbines "mark vie control system"- frame MS9001FA.
  - Carrying on the construction work of 1x250MW - ALSTOM steam turbines by ALSTOM company, 2 x HRSG by STF company and all of combined cycle auxiliaries.
  - Control, monitoring Atlas Copco gas compressor station include gas compressors and pressure reducing station.
  - Provide support to the operations team for any kind of operation such as unit start-up / unit shut down / unit cool down / decision making during operation.
  - Support the operations team with the PTW process.
  - Support the operations team in recovering the unit during turbine trips:
    - Support the operations procedures to the Operations Manager.
    - Support the corrective maintenance when required. Act in emergency situations.
    - Support the creation of the QMS regarding the work procedure and instructions for the operations tasks.
    - Lead the possible plant improvements from the operations point of view.
  - Act as bridge for the Engineering support coming from client or other vendors.
  - In case of occurrence of any troubles such as a forced outage the Instrumentation and Control Engineer shall:
    - Attend the location of the trouble immediately.
    - Investigate the cause of trouble and raise a non-conformity or observation report as required.
    - Report the result of the investigation with sufficient data to appropriate sections of the Contractor, and notify the Owner.
    - Establish necessary countermeasures for the trouble in cooperation with the appropriate sections of the Contractor, which includes dispatch of Technical Advisers to site, preparation of procedures, schedule for remedial work, supply of necessary parts to carry out the countermeasures.
  - Provide regular OJT to the Customer Maintenance Staff and Customer Operations staff.
  - Communicate effectively with all levels of employees and project stakeholders.
  - Maintain the highest degree of honesty and integrity at all times.
  - Responsible to solve Customers technical problems.

- To participate at the identification and resolution of technical non-conformities.
- Any other duties as may be required in the scope of your role.

<b>Dates</b>	:	From Oct. 2018 till Dec. 2018
<b>Employer</b>	:	LOTTE E&C – Indonesia Power
<b>Project</b>	:	Grati CCPP (PEAKER) Extension 450MW, Indonesia
<b>Job title</b>	:	Commissioning Team Leader
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• To control and operate safely and efficiently 2x150MW Ansaldo gas turbines “ABB Control System” - with Air Cooled generators.</li> <li>• To control and operate 150MW Skoda steam turbines with “ZAT Control System”, for reliability test involve by 2 x GE HRSG with water cooled condenser and all of combined cycle auxiliaries (Netmation control system).</li> <li>• Monitor desalination plant that produced 40 t/h.</li> <li>• Provide support to the operations team for any kind of operation such as unit start-up / unit shut down / unit cool down / decision making during operation.</li> <li>• Support the operations team with the PTW process.</li> <li>• Support the operations team in recovering the unit during turbine trips: <ul style="list-style-type: none"> <li>- Support the operations procedures to the Operations Manager.</li> <li>- Support the corrective maintenance when required. Act in emergency situations.</li> <li>- Support the creation of the QMS regarding the work procedure and instructions for the operations tasks.</li> <li>- Lead the possible plant improvements from the operations point of view.</li> </ul> </li> <li>• Act as bridge for the Engineering support coming from client or other vendors.</li> <li>• In case of occurrence of any troubles such as a forced outage the Instrumentation and Control Engineer shall: <ul style="list-style-type: none"> <li>- Attend the location of the trouble immediately.</li> <li>- Investigate the cause of trouble and raise a non-conformity or observation report as required.</li> <li>- Report the result of the investigation with sufficient data to appropriate sections of the Contractor, and notify the Owner.</li> <li>- Establish necessary countermeasures for the trouble in cooperation with the appropriate sections of the Contractor, which includes dispatch of Technical Advisers to site, preparation of procedures, schedule for remedial work, supply of necessary parts to carry out the countermeasures.</li> </ul> </li> <li>• Provide regular OJT to the Customer Maintenance Staff and Customer Operations staff.</li> <li>• Communicate effectively with all levels of employees and project stakeholders.</li> <li>• Maintain the highest degree of honesty and integrity at all times.</li> <li>• Responsible to solve Customers technical problems.</li> <li>• To participate at the identification and resolution of technical non-conformities.</li> <li>• Any other duties as may be required in the scope of your role.</li> </ul>

**Dates** : From Mar. 2017 till Oct. 2018  
**Employer** : SIEMENS AG  
**Project** : Cairo New Capital Combined Cycle Power Plant 4800MW  
**Job title** : Commissioning & Operation Engineer  
**Job Description** :
 

- To control and operate from DCS safely and efficiently 8x400MW Siemens gas turbines "T3000 Control System" - frame SGT5- 8000H, 8 NEM HRSGs and 4x400MW Siemens STGs.
- Provide support to the operations team for any kind of operation such as unit start-up / unit shut down / unit cool down / decision making during operation.
- Support the operations team with the PTW process.
- Support the operations team in recovering the unit during turbine trips:
  - Support the operations procedures to the Operations Manager.
  - Support the corrective maintenance when required. Act in emergency situations.
  - Support the creation of the QMS regarding the work procedure and instructions for the operations tasks.
  - Lead the possible plant improvements from the operations point of view.
- Act as bridge for the Engineering support coming from client or other vendors.
- In case of occurrence of any troubles such as a forced outage the Instrumentation and Control Engineer shall:
  - Attend the location of the trouble immediately.
  - Investigate the cause of trouble and raise a non-conformity or observation report as required.
  - Report the result of the investigation with sufficient data to appropriate sections of the Contractor, and notify the Owner.
  - Establish necessary countermeasures for the trouble in cooperation with the appropriate sections of the Contractor, which includes dispatch of Technical Advisers to site, preparation of procedures, schedule for remedial work, supply of necessary parts to carry out the countermeasures.
- Provide regular OJT to the Customer Maintenance Staff and Customer Operations staff.
- Communicate effectively with all levels of employees and project stakeholders.
- Maintain the highest degree of honesty and integrity at all times.
- Responsible to solve Customers technical problems.
- To participate at the identification and resolution of technical non-conformities.
- Any other duties as may be required in the scope of your role.

**Dates** : From Mar. 2014 till Mar. 2017  
**Employer** : Saudi Electricity Company (SEC)  
**Project** : PP#12 Combined Cycle Power Plant, Saudi Arabia  
**Job title** : Commissioning & Operation Engineer  
**Job Description** :
 

- To control and operate from DCS safely and efficiently 8x180MW GE gas turbines "Mark Vie Control System" - frame MS7001FA.05 with hydrogen cooled generators, 8 ALSTOM HRSGs and 2x340MW

#### ALSTOM STGs.

- Control, commissioning and monitoring GE gas compressor station include gas compressors and pressure reducing station.
- Provide support to the operations team for any kind of operation such as unit start-up / unit shut down / unit cool down / decision making during operation.
- Support the operations team with the PTW process.
- Support the operations team in recovering the unit during turbine trips:
  - Support the operations procedures to the Operations Manager.
  - Support the corrective maintenance when required. Act in emergency situations.
  - Support the creation of the QMS regarding the work procedure and instructions for the operations tasks.
  - Lead the possible plant improvements from the operations point of view.
- Act as bridge for the Engineering support coming from client or other vendors.
- In case of occurrence of any troubles such as a forced outage the Instrumentation and Control Engineer shall:
  - Attend the location of the trouble immediately.
  - Investigate the cause of trouble and raise a non-conformity or observation report as required.
  - Report the result of the investigation with sufficient data to appropriate sections of the Contractor, and notify the Owner.
  - Establish necessary countermeasures for the trouble in cooperation with the appropriate sections of the Contractor, which includes dispatch of Technical Advisers to site, preparation of procedures, schedule for remedial work, supply of necessary parts to carry out the countermeasures.
- Provide regular OJT to the Customer Maintenance Staff and Customer Operations staff.
- Communicate effectively with all levels of employees and project stakeholders.
- Maintain the highest degree of honesty and integrity at all times.
- Responsible to solve Customers technical problems.
- To participate at the identification and resolution of technical non-conformities.
- Any other duties as may be required in the scope of your role.

#### Skills:

- Experience in a leadership role within a power generation field.
- 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.