

Holds a B. Sc. in Mechanical Power Engineering and has over 16 years hands-on experience working in operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/10/1982
Gender : Male
Marital Status : Married
Residence : Minia

EDUCATION

: B. Sc. in Mechanical Power Engineering, El-Minia University, 2004

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Successfully completed a thermal power plant training session in El-Kureimat (2x627MW) Thermal Power Plant Training Center. The training includes all electric & mechanical information about all power plant types (Jul./Aug. 2005).
- : Successfully completed the operating training about SIEMENS V94.3A gas turbine in El-Kureimat Training Center, Egypt. The training course includes all data about Siemens gas turbine, start-up & shutdown procedure, normal & emergency operation, troubleshooting, 6.3KV switchgear, 400 v load center, generator & transformer protection and diesel generator (from Jan. till Mar. 2007).
- : On-site Electrical and Mechanical operation training courses of G.E. gas turbine module MS9001FA by General Electric Company (Oct./Nov. 2008).
- : ALSTOM steam turbine on-shore training (Apr. 2010).
- : HRSG on-shore training by C.M.I. Company (Jun. 2010).
- : D.C.S. (ALSPA P320 control system) on-shore training by ALSTOM Company (Oct. 2010).
- : HRSG aux. on-shore training by INITIC Energia Company (Oct./Nov. 2011).

- : Permit to work system (PTW) and LOCK-OUT TAG-OUT (LOTO) procedures.
- : Successfully completed the protection training session in El-Kureimat Training Center (from May till Nov. 2006).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2016 till Nov. 2021
- Employer** : Arabian BEMCO Contracting Industrial Co.
- Project** : PP#12 Combined Cycle Power Plant, Saudi Arabia
- Job title** : Shift Charge Engineer
- Job Description** :
- Mechanical Operation Engineer: Responsible for the operation activities, following the commissioning activities, following the engineering change and handed over for operation BOP systems and all the pre-commissioning for GE gas turbines 8x180MW GT (7 FA.05), ALSTOM 8 HRSG, ALSTOM steam turbine 350MW, Making commissioning procedure for condensate system, air cooled condenser ACC, feed water system, demine water system, closed cooling system, firefighting system, fuel oil system, fuel gas system, chlorination system, water treatment system, desalination system, GT inlet air chiller system, compressed air system, draining system, HP/LP bypass systems and lube & lifting & hydraulic oil systems.
 - Supervise and perform flushing, chemical cleaning and steam bow.
 - Supervise steam/water sampling system, safety (relief) valves, flue gas analyzing system, chemical cleaning.
 - Pre-commissioning the (Start-up) steam blowing.
 - Managing all aspects of pre-commissioning, commissioning and operation checkout, through initial energizing, start-up of the new process and associated systems.
 - Planning of 'on site' activities and allocation of available manpower on a daily basis.
 - Receiving from client and managing how to clear punch items for handing over.
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- Dates** : From Mar. 2015 till Aug. 2016
- Employer** : SHANAHAN ENGINEERING
- Project** : PP#12 Combined Cycle Power Plant 8x180MW GE gas turbine 7FA.05 controlled by mark Vie, 8 ALSTOM HRSG and 2x340MW ALSTOM steam turbine controlled by YOKOGAWA and ALSPA DCS
- Job title** : Operation Engineer
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- Dates** : From Nov. 2012 till Mar. 2015
- Employer** : GE O&M
- Project** : Sabiyah Power Plant – Kuwait
(Combined Cycle 2000MW 6x250 gas turbine frame 9FA with DLN Technology and 3 Steam Turbines all are controlled by speedtronic Mark 6E)
- Job title** : Control Room Operator

Job Description :

- Start-up and operation for 6x250MW GE gas turbines "mark vie control system" - frame MS9001FA.
- Start-up and operation for GE steam turbine 3x250MW.
- Start-up and operation for HYUNDAI 6 HRSG 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 with Log Out / Tag Out (LOTO) System to all contractors and subcontractors.

Dates : From Apr. 2012 till Nov. 2012

Employer : Arabian BEMCO Contracting Industrial Co.

Project : Al-Qurayyat Simple Cycle Power Plant, KSA

Job title : Control Room Operator (CRO)

Job Description :

- To control and operate safely and efficiently 2x160 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. 2011 till Mar. 2012

Employer : Hyundai Heavy Industries (HHI) Co.

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

Job title : Control Room Operator (CRO)

Job Description :

- To control and operate safely and efficiently 7x180MW GE gas turbines "Mark Vie Control System" - frame MS7001FA with hydrogen Cooled generators.
- 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 Nov. 2010 till Mar. 2011

Employer : Ansaldo Energia Co.

Project : 6th October Simple Cycle Power Plant – 4x185MW, Egypt

Job title : Control Room Operator (CRO)
Job Description :

- Commissioning and operation for 4x185MW SIEMENS AE94.2 gas turbines "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.
- Fast acting in emergency cases.

Dates : From Feb. 2009 till Nov. 2010
Employer : Arabian BEMCO Contracting Industrial & Power Project Co.
Projects : Al-Qurayyah #2 Combined Cycle Power Plant & Al-Riyadh PP#10 Project, Saudi Arabia

Job title : Control Room Operator (CRO)
Job Description :

- Commissioning and operation for 15x180MW GE gas turbines "Mark vie control" - frame MS7001EA with hydrogen cooled generators and 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. 2007 till Feb. 2009
Employer : Upper Egypt Electric Production Company (UEEPC)
Project : El-Kureimat III Combined Cycle Power Plant (750MW)
Job title : Control Room Operator (CRO)
Job Description :

- Commissioning and operation for 2x250MW GE Gas Turbines / frame MS9001FA controlled by Mark Vi.
- Commissioning and start-up for CMI 2 HRSG.
- Commissioning and start-up for ALSTOM steam turbine 2x250MW.
- Start-up/shutdown assessment for steam turbine.
- Commissioning/Re-commissioning for ALSTOM steam turbine and auxiliaries and doing the necessary reporting for that.
- Problem analysis, trouble shooting and performance measurement.

Dates : From Jul. 2005 till Feb. 2007
Employer : Upper Egypt Electric Production Company (UEEPC)
Project : El-Kureimat II Combined Cycle Power Plant (750MW)
Job title : Control Room Operator (CRO)
Job Description :

- Responsible for field & DCS operation of 2x250MW SIEMENS V94.3A gas turbines telepherm xp control System, all of axiliaries and BOP.
- Monitoring generators, transformers, all motors, and pumps and all plant equipment's.
- Safe start-up and shutdown operation.
- Fast acting in emergency cases.
- Ensure everything is operating 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.