

100567-MEC-14OSY-E-2000
Senior Mechanical Commissioning Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 22 years' experience working in operation and commissioning of gas/steam turbines.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 02/01/1978
Gender : Male
Marital Status : Married
Residence : Beni Suef

EDUCATION

: B. Sc. in Mechanical Power Engineering, Assiut University, 2000

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : Off-shore trainings:
 - Operation of gas turbine V94.3A in Germany (1 month) by SIEMENS.
 - Operation of Heat Recovery Steam Generation system in BELGIUM & CZECH REP. (1 month) by CMI.
- : On-shore trainings:
 - Operation of BOILER (Babcock - WILCOX) of EI-Kureimat I.
 - Operation of Steam Turbine 2x627MW (GE) of EI-Kureimat I.
 - Operation of SIEMENS Gas Turbine V94.3A of EI-Kureimat II.
 - Operation of GE (9 FA) gas turbine 250MW of EI-Kureimat III.
 - Operation of Steam Turbine 250MW (Hitachi) of EI-Kureimat II.
 - Operation of HRSG by CMI of EI-Kureimat II.
 - 220KV Substations by SIEMENS of EI-Kureimat II.
 - Operation of DCS control system by Emerson.
 - Basic concepts for hydraulic systems at UEEPC Training Center.
 - Fundamentals of control system at UEEPC Training Center.
 - Valves at UEEPC Training Center.

- Safety and Fire-fighting rules at UEEPC Training Center.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2022 till now
Employer : OHLA
Project : SAIH / RAWL at Petroleum Development Oman
 The project consists of 1 HRSG Horizontal type (exhaust flow gases from 1 gas turbine GE frame 9E and control system is Mark Vie) + 1 steam turbine generator 60MW by SIEMENS (control system T3000).
Job title : Senior Mechanical Commissioning Engineer

Dates : From Nov. 2020 till Feb. 2022
Employer : LOTTE E&C
Project : Indonesia Riau GFPP (275MW) IPP Project
 The project consists of 2 HRSG by GE Horizontal type (exhaust flow gases from 2 gas turbine GE frame 6F.03 and control system is Mark Vie) + 2 steam turbine generator 126MW by GE.
Job title : Senior Mechanical Commissioning Engineer

Job Description :

- Supervise all pre-commissioning and commissioning activities.
- Make sure all the preconditions for commissioning of individual units and overall plant are granted.
- Make sure all the technical documents necessary for commissioning of different units are available with commissioning team.
- Be aware of commissioning schedule of the site and accordingly divide the work through comm. team and allocate needed resources such as manpower and tools.
- Make sure that all necessary tools and equipment for comm. are available with the team and calibration is already performed.
- Check availability of suppliers commissioning supervisor in case they are required.
- Make sure all systems are completed and have ECC before taking over by comm. team and following up to remove the remaining open points through punch lists by installation team.
- Commissioning check lists are to be completed and the critical records highlighted.
- Have a complete list of cold and hot loop checks and take them under control for daily/weekly/monthly progress.
- Good knowledge of interfaces between different units by which will provide a correct sequence of commissioning activities.
- Make sure that for all the commissioning works LOTO procedures are held and should fully get involved to PTW system.
- Close connection with HSE unit to make everybody aware of likely danger potentials of commissioning activities.
- Plan all individual units and overall plant are handed over to client after completion of commissioning, the respective operation manuals and documents handed over and necessary training courses are held for client operation team enabling them to run the plant.
- Supervise all acceptance tests of units.
- Report to commissioning manager.

- Dates** : From Sep. 2020 till Nov. 2020
Employer : PSP
Project : Assiut Supercritical Boilers 1x670MW
 (One AC Boilers Supercritical + 1 steam turbine Mitsubishi 1x670MW)
Job title : Commissioning Engineer
- Dates** : From Feb. 2020 till Sep. 2020
Employer : AC Boiler
Project : South Helwan Supercritical Boilers 3x670MW
 (Three AC Boilers Supercritical + 3 steam turbines Mitsubishi 3x670MW)
Job title : Commissioning Engineer
Job Description : Commissioning and Operation Responsibilities: Start-up and shutdown of supercritical boiler and all auxiliaries in safe mode.
- Dates** : From Dec. 2018 till Feb. 2020
Employer : Techint
Project : South Helwan Supercritical Boilers 3x670MW
 (Three AC Boilers Supercritical + 3 steam turbines Mitsubishi 3x670MW)
Job title : Senior Commissioning Engineer
Job Description : Steam Turbine Mechanical Commissioning Engineer:
 - Receiving the systems from QC (Quality Control) & Construction.
 - Responsible for all commissioning activates related to the steam turbine and its auxiliaries.
 - Start-up / Shutdown assessment, trouble shooting and problem analysis.
 - Perform the on-shore training for the customer and preparing the necessary documentation for that.
 - Report to the Commissioning manager / Site manager and Engineering Department.
 - DCS operation using DIASYS.
 - Full knowledge about PTW and LOTO lock out tag out system.
 - Following the Operation Statue, routine maintenance, periodical tests and steam turbine performance.
- Dates** : From Sep. 2017 till Mar. 2018
Employer : SIEMENS
Project : Gas Turbines (SGT 8000H) 8x400MW, Two NEM Heat Recovery Steam BENI SUEF Power Plant Combined Cycle 4800MW - consists of 4 modules each module has Two SIEMENS Generation (HRSG) + One SIEMENS (SST 4000F) steam turbine
Job title : Shift Charge Engineer
Job Description :
 - Combined Cycle Plant commissioning & start-up and operation.
 - Safe Start-up and Shutdown Operation for all Plant.
 - Reviewing results and meeting with managers to discuss methods of improving the productivity of existing systems.
 - Fast Acting in Emergency Cases.
 - Dealing with SPPA-T3000 controller hardware and software (control

system Toolbox).

- Perform chemical cleaning and steam blowing for HRSG.
- BOP operation (cooling water system, fuel forwarding system, firefighting system, ...).
- Identifying, investigating and repairing system faults.
- Supervising the work of manufacturing engineers.
- Train new engineers and support staff.
- Follow all safety instructions
- Operation procedure writer.
- Train the fresh employees.

Dates : From Jul. 2016 till Sep. 2017
Employer : ARABIAN BEMCO
Project : Riyadh PP12 Combined Cycle
The project consists of 8 HRSG Horizontal type (exhaust flow gases from 8 gas turbines GE frame 7FA.05 and control system is Mark Vie) + 2 steam turbine generators 350MW Alstom.
Job title : Combined Cycle Commissioning & Operation Lead Engineer

Dates : From Jan. 2013 till Jul. 2016
Employer : ARABIAN BEMCO
Project : QURAYYAH Power Plant Project "C"
The project consists of 18 HRSG Vertical type (exhaust flow gases from 18 gas turbines GE frame 7FA.03 and control system is Mark Vie) + 6 steam turbine generators D11 by GE + Demin & Remin water plant + Hypocolorination plant, ...etc.
Job title : Commissioning Engineer

Dates : From Jan. 2012 till Jan. 2013
Employer : ARABIAN BEMCO
Project : ALQASEEM III Power Plant – 8 gas turbines frame (7EA), KSA
Job title : Shift Charge Engineer

Dates : From Aug. 2010 till Jan. 2012
Employer : Saudi Electricity Company – KSA
Job title : Consultant Engineer

Dates : From May 2009 till Aug. 2010
Project : Nubaria III Combined Cycle Power Station (750MW)
It was a new plant. Erection started on 2009 based on the following:

- 1 Steam Turbine, 250MW (ALSTOM).
- 2 Gas Turbines, 250MW (GE – 9FA – Mark VI control system).
- 2 Heat Recovery Steam Generators – HRSG (STF S.P.A. ITALY).

Job title : Commissioning Engineer
Job Description :

- CCR Operation Engineer for (GE 9FA) gas turbine mark VI control system.
- HRSG Commissioning & Operation Engineer.

- BOP Commissioning & Operation Engineer.
- Large Turbo Generator Commissioning & Operation Engineer.

Dates : From Oct. 2007 till May 2009
Project : El-Kureimat II Combined Cycle Power Station (750MW)
Job title : Shift Charge Engineer
Job Description :

- Supervising and managing all operation technical and administrative duties.
- Coordinating Load demand requirement per dispatcher and the Grid frequency stability.
- Issuing the work permits to the authorized requesters.
- Supervising the start-up and shutdown programs for all system and equipment.
- Performing the rotating equipments changeover schedules on time.
- Co-ordination for the periodical preventive maintenance schedules.
- Perform on-job training programs to the plant operation staff and others.

Dates : From Aug. 2006 till Oct. 2007
Project : El-Kureimat II Combined Cycle Power Station 750MW
It was a new plant. Erection started on 2005 based on the following:

- 2 Gas Turbines V94.3A, 250MW (SIEMENS), TELEPERM XP control system.
- 1 Steam Turbine, 250MW (HITACHI), MARK VI control system.
- 2 Heat Recovery Steam Generators (CMI SKODA – BELGIUM).
- 1 Water Treatment Plant (Demi and Potable) and water intake.
- The plant is controlled via EMERSON – WDPF DCS control system.

Job title : Unit Operation Engineer
Job Description :

- Supervising and monitoring the Gas Turbines during normal operation, start-up and shutdown programs.
- Looking after the remote and local readings to prepare the daily load and operation reports.
- Implementing the planned unit's operation programs per the start-up & shutdown procedure.
- Following up the project erection, commissioning and start-up during the project construction phase.

Dates : From Dec. 2000 till Aug. 2006
Project : El-Kureimat I Thermal Power Station (2x627MW):

- 2 Steam Turbines, 650MW (GE), control system is MARK V.
- 2 Conventional Boilers, 36 Burners (BABCOCK WILCOX – Canada).
- Water treatment plant.
- The plant is controlled via WESTINGHOUSE DCS (WDPF) control system.

Job title : Operator Engineer
Job Description :

- Follow up boiler operation from local.
- Follow up intake building with all components (trash rack – travelling screen – circulating water pump – raw water pump – fire-fighting pumps – all valves).
- Follow up steam turbine operation from local.

- Carry out all isolation for equipments to maintenance people.

Note:

- Assigned to review tender document and offers comments for the of new combined cycle 750MW project to the:
 - Contract package 101 CTG (combustion turbine generator).
 - Contract package 102 civil work.
 - Contract package 105 HRSG (Heat Recovery Steam Generator).
 - Contract package 106 STG (steam turbine generator).
 - Contract package 111 water treatment.