

100750-MEC-14MOSY-E-1991

Commissioning / Operation Manager

Holds a B. Sc. and a M. Sc. in Mechanical Power Engineering. Has about 30 years hands-on experience mainly in operation, maintenance, commissioning, start-up and site and class training.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 27/11/1967
Gender : Male
Marital Status : Married
Residence : Currently UAE

EDUCATION

: B. Sc. in Mechanical Power Engineering, 1991
: M. Sc. in Mechanical Power Engineering (Energy Analysis and Optimum Performance of Combined Gas and Steam Cycle Power Plants), 2000

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: FORTRAN and VISUAL BASIC

TRAINING COURSES AND CERTIFICATIONS

: PMP Course (2018).
: Training in Project Management Professional 36 h according to PMBOK6th Edition East Delta Power Electricity Company.
: Meeting and Presentation Training East Delta Power Electricity Company.
: Training in Operation of 6x150MW Gas Turbine, SIEMENS Egypt.
: Training in Operation of 3x150MW Steam Turbine, ALSTOM FRANCE.
: Training in Operation and Maintenance of 6x250 t/h Heat Recovery Steam Generator (HRSG), BABCOCK-BORSAG.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2021 till now
Employer : [EGYPTROL](http://www.egyptrol.com) – Subcontractor for Consortium of Elsewedy Power and

		Mitsubishi Power
Project	:	Layyah Power Project (2x365MW Mitsubishi gas turbine – 1x350 Mitsubishi steam turbine) – Combined Cycle
Job title	:	Commissioning / Operation Manager
Job Description	:	<ul style="list-style-type: none"> • Execute and supervise dealings in accordance to commissioning guidelines and deadlines. • Keep abreast in planning strategies to achieve project completion with available resources. • Assist / support and provide input to the commissioning team into policy and procedure reviews and the development of commissioning and Start-up processes. • Establish system boundaries, scope of work, and commissioning/start up execution plans. • Attend and manage daily commissioning meeting with all parties and follow up the commissioning activities and prepare the commissioning daily activities report which include the completed activities done yesterday and the planned activities for today and tomorrow classified to internal activates and witness activities by Owner and Consultant. • Manage assigned staff and miscellaneous resources, and to execute projects within established budgets. • Plan and monitor project budget, conduct research and analysis; provide input into the design and development of project plans and timelines. • Manage, lead and execute commissioning and start-up processes. • Manage risk as assigned by the Project Director or site management by reviewing risk on a regular basis and identifies significant business risk. • Execution, continuously improving efficiency with rigorous performance management. • Interact and negotiate with clients on commissioning goals and guidelines. • Responsible for taking over operation from commissioning team for all commission equipment and coordinating all operation staff activities following the transfer of equipment to operate under Operation Group. • Responsible for the overall administration and supervision of operation staff and operating activities including planned shut down and starting of the plant in accordance with established work plans schedules and ensuring safety of all personnel and environment. • Conduct regular meetings to discuss work progress, schedules, problems, interference, priorities etc. • Responsible for efficiency and progress of work in accordance with production schedules and established standards. • Maintain reporting system which provides sufficient data to ensure that operations are being accomplished within the specified limits, schedules and technical parameters. • Ensure identification of root cause for the identified non-conformances/ deviations and to implement corrective actions/Preventive actions.
Dates	:	From Aug. 2014 till Nov. 2021
Employer	:	EEA (Egypt Electricity Authority)
Projects	:	<ul style="list-style-type: none"> • Damietta Combined Cycle Power Plant: <ul style="list-style-type: none"> - 6x150MW Gas Turbines V 94.2 by SIEMENS Company.

- 3x150MW Steam Turbines by ALSTOM Company.
- 6x250 T/h Heat Recovery Steam Generators, BABCOCK Company.
- 4x150MW GT Frame 9 GE Company.
- West Damietta Combined Cycle Power Plant:
 - 8x125MW GE frame 9 gas Turbines.
 - 1x260MW Steam Turbines by ANSALDO ENERGIA.
 - 1x260MW Steam Turbines by GE Company.
 - 4x200 T/h Heat Recovery Steam Generators, AC Boilers Company.
 - 4x200 T/h Heat Recovery Steam Generators, DOOSAN Company.
 - Air cooled condenser technology GEA Energietechnik GmbH.

Job title : Mechanical Maintenance Engineer & Project Follow-up Engineer

- Job Description** :
- Making sure all safety precautions are taken.
 - Carried out safety tests and recorded results on mechanical equipment and systems and recommending improvements.
 - Regularly making dimensional orientation and materials checks and comparisons.
 - Responsible for the plant and equipment maintenance and replacement of worn-out parts.
 - Having to scrutinize technical mechanical problems and follow corrective procedures to fix the problem and avoid recurrence.
 - Explaining technical problems to non-technical colleagues.
 - Carrying out staff appraisals.
 - Prepared monthly reports for senior managers.
 - Involved in the design of new machines and equipment, whilst at the same time taking account of cost, availability of materials, strength and maintenance requirements.
 - Supervising the smooth operation of the company manufacturing plants.

Dates : From May 2013 till Aug. 2014

Employer : [EGYPTROL](#), SAMSUNG C&T Subcontractor

Project : Qurayyah Independent Power Project (6x750MW) – Combined Cycle

Job title : Head of Plant Operation Group & Deputy Commissioning Team Leader

- Job Description** :
- Establish system boundaries, scope of work, and commissioning/start up execution plans
 - Attend and manage daily commissioning meeting with all parties and follow up the commissioning activities and prepare the commissioning daily activities report which include the completed activities done yesterday and the planned activities for today and tomorrow divided to internal activates and witness activities by Owner and Consultant
 - Manage, lead and execute commissioning and start-up processes
 - Start-up and commissioning of mechanical systems (water, fuel and steam) as well as steam turbine operation; through understanding of industrial safety practices.
 - Responsible for taking over operation from commissioning team for all commission equipment and coordinating all operation staff activities following the transfer of equipment to operate under Operation Group.
 - Responsible for the overall administration and supervision of operation staff and operating activities including planned shut down and starting

of the plant in accordance with established work plans schedules and ensuring safety of all personnel and environment.

- Conduct regular meetings to discuss work progress, schedules, problems, interference, priorities etc.
- Ensure identification of root cause for the identified non-conformances/ deviations and to implement corrective actions/Preventive actions.

Dates : From Nov. 2009 till May 2013
Employer : Ansaldo Caldaie S.P.A.
Projects :

- El-Tebbin Thermal Power Plant 2x350MW gas/oil fired
- Abu Qir Thermal Power Plant 2x350MW gas/oil fired

Job title : Commissioning & Operation Team Leader
Job Description :

- Start-up and commissioning of mechanical systems (water, fuel and steam) as well as steam turbine operation; through understanding of industrial safety practices.
- Boiler start-up, shutdown, steady operation and load controlling as request by dispatch center.
- Working closely with client personal and vendor service engineers.
- Developing system scoping documents, reviewing turnover packages and providing recorded data for system equipments (working closely with client personal and vendor service engineers).
- Work as a Deputy Commissioning Manager.

Dates : From Aug. 2005 till Nov. 2009
Employer : Saudi Electricity Company
Project : Shoaiba Power Plant – KSA:
6x400MW Boiler manufactured by Combustion Engineering Company (induced and forced draft fans, forced circulation steam boiler (1200 t/h), Stage 2):

- 400MW Steam Turbine ABB Company.
- Alstom DCS control system.

Job title : Shift Charge Engineer (Simulator Trainer)
Job Description :

- Responsible for all plant, 6 Turbines, 6 Boilers and their auxiliaries plus BOP. Coordinate contact between the station and dispatch center.
- Steady operation of all units, start-up and save shut down and load controlling as LDC request.
- Responsible for the simulator training programs for engineers and technicians on site.
- Managing the proper application of the Permit to Work System on site.
- Give advice, where required, to the responsible engineer for a hazard identification or risk assessment.

Dates : From Jan. 2004 till Jan. 2005
Employer : TECHINT CIMIMONTUBI NIG. LTD
Project : Nigeria Liquefied Natural Gas (NLNG) Plus Project
Job title : Commissioning Engineer
Job Description : Responsible for commissioning of mechanical systems in LNG plant including new loading Getty with four loading arms three of them for LNG and the other for BOG and perform: Air Blowing, oil flushing, water

washing, vessel inspection tray completion, vessel loading, punch listing, piping pigging, vacuum and positive pressure drying, leak testing, tightness testing etc. and completely aware about HSE (health, safety & environment) safety programs inside LNG plants.

Dates : From Jun. 2001 till Dec. 2003
Employer : ALSTOM Power Italy
Project : Shoaiba Power Plant – KSA:
5x400MW Boiler manufactured by Combustion Engineering Company (induced and forced draft fans, forced circulation steam boiler (1200 t/h), Stage 1):

- 400MW Steam Turbine ABB Company.
- Alstom advent power control system.

Job title : Shift Engineer
Job Description : Responsible for:

- Start-up and commissioning of mechanical systems (water, fuel and steam) as well as steam turbine operation; through understanding of industrial safety practices.
- Developing system scoping documents, reviewing turnover packages and providing recorded data for system equipments (working closely with client personal and vendor service engineers).
- Capability of pre-commissioning activities reviewing engineering drawing and specifications to ensure adequate provisions that will be made for testing, flushing, cleaning, steam blow-down, and the ability to conduct systems walk down generating punch lists.
- The ability of administration safety and clearance tagging procedure.
- Follow up performance tests of energy and utility systems, evaluates the testing results against the performance targets and authorize acceptance of performance testing.

Dates : From May 1999 till Jun. 2001
Employer : Ministry of Electricity and Water – Kuwait
Project : Doha West Power & Water Station:

- Boiler manufactured by BABCOCK-BORSAGE (8x1200 t/h).
- 8x300MW Steam Turbine manufactured by MITSUBISHI Company.
- 16x7 MIGPD Desalination Plant.

Job title : Shift Charge Engineer
Job Description :

- Responsible for all plant, 8 Turbines, 8 Boilers and their auxiliaries plus BOP. Coordinate contact between the station and dispatch center.
- Responsible for Desalination Plant (16x1700 t/h) MITSUBISHI Company.

Dates : From Sep. 1992 till May 1999
Employer : Ministry of Electricity and Energy – Egypt
Project : Damietta Combined Cycle Power Plant:

- 6x150MW Gas Turbines by SIEMENS Company.
- 3x150MW Steam Turbines by ALSTOM Company.
- 6x250 t/h Heat Recovery Steam Generators, BABCOCK-BORSAGE Company.

- Job Description** :
- Shift Charge Engineer:
 - Responsible for all plant, 6 Gas Turbines & 3 Steam Turbines and 6 Boilers (HRSG) and their auxiliaries and the BOP.
 - Process Engineer for commissioning and start-up:
 - Responsible for all balance of plant, feed water pumps, condensate pumps, circulating pumps, air compressors, etc. (during plant start-up).
 - Shift Engineer:
 - Work as Disk Operator for Gas Turbine & Steam Boiler-Turbine and its auxiliaries.
 - Supervisor for 220KV GIS switchgear (AEG Company).

Training Programs Implemented:

- Turbine Heat Rate Calculation (Saline Water Conversion Corporation).
- Power Plants Overall Performance (Saline Water Conversion Corporation).
- Corrective maintenance and Minor Inspection of Steam Turbines (West Damietta Power Plant).
- Gas Turbine Major Inspection (Damietta Power Plant).
- Start-up and Save Shutdown of Steam Turbine Power Plant using Simulator Training for Saudi Electricity Company Staff; Shoaiba Power Plant.