

# 102014-MEC-14OS-E-2000

## Mechanical Commissioning & Start-up Supervisor

Holds a B. Sc. in Electrical Engineering and has mechanical commissioning field engineering experience for 15 years in oil, gas, refinery, petrochemical, minerals processing, cement industry, power generating station thermal (4 units supercritical 650MW), gas turbine and combined cycle. A Lead Commissioning & Start-up Engineer, responsible in the commissioning, start-up and initial operations of the assigned Facilities till Handover to the Operations organization.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 20/05/1978  
Gender : Male  
Marital Status : Married  
Residence : Benha, Qalubia

### EDUCATION

: B. Sc. in Electrical Engineering, Benha University, 2000

### LANGUAGES

Arabic : Native Language  
English : Good

### COMPUTER SKILLS

: Windows, MS Office, Internet

### TRAINING COURSES AND CERTIFICATIONS

: Certified ICDL (2009).

### CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Nov. 2018 till now  
**Employer** : British Petroleum (BP)  
**Project** : EGYPT, North Alexandria & West Mediterranean Deepwater, IDKU, BP WEST NILE DELTA (WND) Gas Development Project 1.2 Million Cubic Feet / Day  
**Job title** : Mechanical Commissioning & Start-up Supervisor  
**Job Description** :

- Identify commissioning resource requirements and works with the management to Alignment between project cost and schedule.
- Certified/Qualified as a control of work performing authority/isolation

authority according to BP standard.

- Carry out Task Risk Assessment TRA and produce Safe Systems of Work.
- Effectively communicate with main contractor (Bechtel) and the project teams.
- Develop and coordinate comm. plans, pre-functional checklist, functional performance tests, and integrated systems tests and systems manuals for complex mechanical systems, consistent with firm standard.
- Follow up on the action 24HR/48hr/7D activities tracker for all CSU meetings and also track the progress daily.
- Responsible for production and checking of the commissioning test documentation, also for the execution of commissioning tests to schedule and support to acceptance of completed test records.
- Analyze the tests results and have the knowledge to assist with field troubleshooting of commissioned equipment.
- Attend construction / commissioning coordination meetings for the project interface with clients, contractors, equipment vendors and owners' agents also Conduct the operation meetings and ensure the MOM are made and distributed and maintain accurate and up-to-date soft copy records.
- Supervision of the Commissioning technicians under their direct responsibility ensuring that the commissioning team members correctly apply procedures, codes and standards to commissioning activities.
- Direct supervision A/Z as a mechanical comm. Lead field supervisor for, 5 plant air compressors (ATLAS COPCO), instrument air generation plant, nitrogen generation skid, 4 SIEMENS gas turbine generation 7.5 MW, 2 flash gas compressors, 2 emergency diesel generators 3 MW, mono ethylene glycol system, chemical additives system and valving repairing process.
- Support startup/operation team up to the project full capacity as a leader of the fast response team.
- Professional to design secure mechanical/electrical/ instrument isolation system according to British petroleum specs.
- Supervise and ensure smooth commissioning of the project by Coordinating between the various disciplines of my company and the other contractors.

**Dates** : From May 2017 till Nov. 2018  
**Employer** : TECHINT ENGINEERING & CONSTRUCTION  
**Project** : West Damietta Power Station Project, Converting Simple Gas Cycle 1000MW to Combined Cycle 1500MW  
**Job title** : Senior Mechanical Commissioning Engineer  
**Job Description** :

- Coordinate / work with mechanical engineers and other technical disciplines independently in developing piping / equipment installation / assembly in a team environment.
- Inspect site for unsafe conditions and practices and take appropriate corrective action to correct breaches.
- Able to solve technical issues related to component design independently, including any required interface with other disciplines, contractors, suppliers, client and the consultant.
- Execute schedule requirements while maintaining a high degree of

quality in work products side by side with the monitoring of project cost and schedule estimates.

- Coordinate closely with other technical disciplines in planning and executing work as an integrated team.
- Plan the manpower and equipment required to execute the job.
- Assist in performing construction testing of piping systems as required.
- Responsible for the development of pneumatic and hydro-test packages, also, responsible for verifying / witnessing acceptance of tests and completes final P&ID check prior to turnover.
- Prepare and has full responsibility for managing piping QC records to ensure that they are fully completed and properly submitted in a timely manner to Document Control.
- Experience working with procedures meeting quality assurance programs such as ASME-NQA-1 & ISO-9000.
- Provide input to quantity tracking application and report weekly installed quantities to Project Controls.
- Understanding of material properties and welding design.
- Prepare material requisitions for tools and consumables and coordinate through Procurement to obtain these materials.

<b>Dates</b>	:	From Nov. 2016 till Apr. 2017
<b>Employer</b>	:	Elsewedy Electric - PSP ENGINEERING & CONSTRUCTION
<b>Project</b>	:	Beni Suef Combined Power (4800MW)
<b>Job title</b>	:	Senior Mechanical Commissioning Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"><li>• As a senior mechanical engineer for EPC contractor in charging of supervision as a main contractor to provide technical assistance to the subcontractors, superintendents and crafts.</li><li>• Work closely with other discipline field engineers and coordinate efforts and activities to meet the project requirements.</li><li>• Assist supervision and project controls in the preparation of detailed work plans and short-term schedules.</li><li>• Responsible for the development of piping work packages in conjunction with supervision and interpret design drawings to resolve mismatch constructability issues.</li><li>• Broad knowledge of the application of mechanical design principles as applied to project design.</li><li>• Assisting the Commissioning Team Leader in the identification of the site Testing (FAT) requirements – approval of vendor test documentation, witnessing of vendor testing, approval of vendor test results where required.</li><li>• Prepare material requisitions for tools and consumables and coordinate through procurement plan the manpower and equipment required to execute the job.</li><li>• Develop punch lists and monitors completion of punch items.</li><li>• Ensure the most current design document specifying pipe hangers and inline components is provided to subcontractor to complete work and that all design changes are approved prior to implementation.</li><li>• Monitor the activities of subcontractors to ensure compliance with specifications and schedules.</li><li>• Inspection of field installations and completion of associated</li></ul>

documentation on a continuing basis, and complete the final P&ID checks prior to turnover.

- Punch list management and responsibility of offered sub-systems/systems.

**Dates** : From Sep. 2013 till Mar. 2016  
**Employer** : TECHINT ENGINEERING & CONSTRUCTION  
**Project** : El-Ain El-Sokhna Supercritical Thermal Power Plant 2x650MW  
**Job title** : Mechanical Pre-Commissioning / Commissioning Engineer  
**Job Description** :

- Development of documentation for system testing and turnover including scoping of drawings and Teamwork.
- Preparing system pre-commissioning and commissioning testing procedures and other similar required documents.
- Complete testing per Pre-com procedures and other specific procedures which may be required to be prepared in this position. Complete all test records, data sheets, etc. to fully document testing activities.
- Provide preventative maintenance input for procedures and schedules for maintaining equipment once it has been commissioned.
- Provide input to engineering on revisions required to system descriptions, vendor operating and maintenance manuals, etc. based on review of documents during development of test procedures and executing of the commissioning to ensure all such documents are consistent.
- Prepare NCR & RFI as required to document as-built conditions and/or properly resolve deficiencies.
- Provide technical direction to field manual craft as required to perform assigned tasks.
- Participate in system turnover walk downs, both Construction and Client turnovers; initiate, track and resolve punch list items for assigned areas of responsibility.
- Responsible for the development of pneumatic and hydro-test packages, also, responsible for witnessing acceptance of tests and completes final P&ID check prior to turnover.

**Dates** : From Jun. 2012 till Jul. 2013  
**Employer** : MITSUBISHI HEAVY INDUSTRIES  
**Project** : Abu Qir Power Station, Steam Turbine Power Plant 2x650MW Thermal Power Plant  
**Job title** : Mechanical Commissioning & Operation Supervisor (Steam Turbine)  
**Job Description** :

- Coordinate with engineering on constructability and design issues relating to the mechanical discipline and/or the piping discipline such as mechanical equipment installation, piping installation, and testing.
- Responsible for quantity take-off, control, tracking, reporting and forecasting for mechanical discipline.
- Develop and manage the mechanical and piping construction quality program.
- Coordinate with Field Crafts and Subcontractors to plan/support construction schedules.
- Implement controls over variables affecting mechanical job progress such as equipment installation, maintenance, and testing.

- Undertake mechanical/piping testing including leak testing and cleaning/flushing.
- Responsible that Steam Turbine special tools/ spare parts lists.
- Provide field support to facility management for outage oversight and technical decision making.

**Dates** : From Oct. 2011 till Sep. 2012

**Employer** : MITSUBISHI HEAVY INDUSTRIES

**Project** : Nubaria Power Station, Steam Turbine Power Plant 750MW Combined Power Plant

**Job title** : Mechanical Warranty Engineer

**Job Description** :

- Assist the Comm. Coordinators in executing systems tasks and development and reporting.
- Responsible for the conduct pressure test packages /witnessing / verifying / calculating up to acceptance/approved.
- Provide daily, on-site/in-field leadership, execution coordination of a multi-discipline team.
- Interact with Engineering and Operations team for input and draw from past experience and knowledge when executing procedures.
- Punch List management and responsibility of offered Sub systems / Systems.
- Ensure Technicians work is carried out in a safe and controlled manner in accordance with site procedures and PTW system.
- Read, interpret and work from vendor documentation, project drawings, schematic diagrams and equipment manuals.
- Requisition parts and supplies and maintain spare parts inventory.
- Analyze customer warranty claims for validity and take necessary action to satisfy goods warranty policy. Involve other departments, as required, to obtain resolution to warranty claims including Correct and resubmit rejected claims where it is felt that the claim is valid. Reporting on claims rejected for which a resubmission is not possible.
- Proactively investigate overdue claims and discuss issues raised with manufacturer representatives and fellow staff as appropriate.
- Help ensure that warranty return parts are stored in a safe and secure manner and no present danger to staff.

**Dates** : From Mar. 2006 till Nov. 2011

**Employer** : Cairo Electricity Production Company

**Project** : Cairo North Power Station 750MW Combined Cycle System

**Job title** : Power Plant Operation Engineer

**Job Description** :

- Maintain day-to-day operations in a power plant.
- Conducting operational tests.
- Follow up the daily maintenance activities and liaisons with the Power Plant Maintenance Engineer.
- Operate and control Gas Turbines, Steam Turbine, the power distributing system and DG power plant.

**Field of experience** : • Coordinate, with input from engineering and operations staff, the completions and handover of all project systems in order for importance.

- Plan, guide, or prepare project administrative and technical documents as required for the development of mechanical work packages in conjunction with supervision before hydro/ pneumatic test also able to classify /cleared all punch items the result of mechanical walk down.
- Supervise manpower/personnel/tools/additional equipment for the commissioning phase to ensure that key project objectives are strongly met in respect to HSE, quality/ performance, schedule and cost.
- Work within team-work to verify accurate data from engineering and suppliers to Interpret design drawings and interface with engineering office to resolve design and constructability issues incase mismatching between civil/ mechanical /electrical/instrument drawings.
- Contribute to the development of an overall walk downs and create categorized punch item, to ensure seamless transition and handover from Construction to Commissioning then to Operation.
- Qualified as a performing authority according to BP Control of Work department / PTW processes during execution also authorized as process isolation authority (IsA P) able to design/conduct/training the local labor, for 3 isolation scenarios SVI, DBB & +VE isolation.
- Monitor material and equipment delivery and ensure storage, preservation and maintenance are performed and recorded, in line with vendor requirements.
- Sr. Commissioning Engineer qualified to review and approve key start-up methods, procedures, and schedules on assigned project also to perform comm. activities according to technical specifications by totally coordination with client representatives to obtain approval on work as it is accomplished.
- Attend daily meetings with the CSU teams and take minutes and notes as required and make all necessary arrangements for appointments, meetings & venue for the CSU. Computer literate in word processing, spreadsheet, engineering programs and database applications.
- Coordinate the final punch list and cleared it up to final mechanical completion certificate.
- Contribute to and attend Inspection and test plans, including plans for Factory Acceptance Tests (FATS) and Site Integration Tests (SITs).
- Perform assembly of rotating equipment by laser alignment techniques, shimming techniques, experience of using torque manual and hydraulic tools with the correct sequence.
- Capable of performing constructability assignments in the office(s) and/or at the site.
- Finally, I will be fully ready to acquire new experiences in new fields by training and study if it is necessary.