105705-MEC-14COS-E-2016
Mechanical Construction Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 5 years experience in power generation and oil and gas. Skilled in commissioning and start-up for many equipment, systems and field operation.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	01/01/1992
Gender	:	Male
Marital Status	:	Single
Residence	:	Assiut

EDUCATION

: B. Sc. in Mechanical Power Engineering, Assiut University, 2016

: PGD post graduate degree in ME, Assiut University, 2018-2020

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

: Automation Studio

TRAINING COURSES AND CERTIFICATIONS

: PMP certified, AUC.

: Simulation soon basics of engines and maintenance / Maintenance hydraulic circuits for heavy equipment, Arab Contractors (Jul./Aug. 2014).

: Engines, the basic components and the theory of their work and how to get to the problem and ways to solve them / Hydraulic circuits' maintenance and installation, Mansour Chevrolet (Jul./Aug. 2015).

: Training at Cemex Assiut (Aug./Sep. 2015):

- Running, PM and PDM maintenance.
- Root cause analysis.
- Cement production process.
- Establishment of petcock project.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2021 till now

Employer : ANOPC

Project : Assiut Hydrocracking Complex (AHC)

AHC is a deep conversion refining plant for processing “bottom of barrel” and fully converting the fuel oil, based on a “zero fuel oil” Euro V configuration.

Job title : Mechanical Construction Engineer

Job Description :

- Review designs and procedures while adhering to sound engineering principles, standards, practices.
- Supervision and monitoring for executing the plan of many tasks as (Steel Structures, tanks).
- Discuss with technical Consultant (Worley) for issues to Overcoming obstacles which the Contractors may be facing.
- Participate with the Cross-functional team for review RAM study which submitted from (Technip Energies) and commented.
- Follow the online conference for the HAZOP study that helped to envision our products and reach.
- Act as a go-between and proactively facilitate collaboration between engineering, executive teams and suppliers to develop and implement technical solutions.
- Monitoring of work completed and reflected in a comprehensive report.
- Compare the actual work with the schedule.
- Overcoming obstacles for contractors while working side by side Worley.
- Attend weekly meetings with all parties to uncover problems and solve them drastically.
- Past experience with commissioning has helped to be taken into account in construction work to overcome several future challenges.

Dates : From Feb. 2020 till Jan. 2021

Employer : Petrojet

Project : ASORC NAPHTHA COMPLEX (ISBL)

Catalyst complex Naphtha to improve the Criteria for Naphtha.

Job title : Mechanical Commissioning Engineer

Job Description :

- Responsible for the team who execute air blowing and flange management for cycles parts of the system after hydro test and preparing it for final re-instatement up to MCC sign.
- Review PIDs and Isometric for all cycles and systems.
- Inspection for Heat exchanger and equipment by borescope.
- Coordinate with owner (Worley) and consultant (ENPPI) QC team and commissioning team during executing works of Pre-Commissioning.
- Follow clearing punch process.
- Leading for documentation process and sign certification of works.
- Follow the track of cycle package from center to back it to center.
- Commissioning Assistant with Vendor with tools and manpower.
- Coordinate walkthrough and share punch list with all discipline and follow close it.
- Monitor installation, submittals and usage of engineering tools adhering

to project and commissioning guidelines.
- Tracking the progress of Construction achievement and trying to meet deadline.
- Fill the ITR with main contractor and who is responsible for the task.

Dates : From Dec. 2017 till Feb. 2020

Employer : Orascom Construction Industries

Project : ASSIUT COMBINED CYCLE POWER PLANT 1500MW
Add-on Combined Cycle Power Plant Consortium GE add two steam turbines each 250MW.

Job titles : Mechanical Commissioning Engineer

Job Description :
- Participate in commissioning and start-up of Condensate and Closed Cooling System.
- Testing and Start-up of Feed Water pump.
- Responsible of Chemical feed System (Ammonia and phosphate Skid) Commissioning and Maintenance.
- Preservation of DOOSAN boiler after chemical cleaning.
- Participate in Steam blow for boiler and main steam system.
- Commission for lube Oil, hydraulic, lifting and Seal Oil.
- Participate in performance test preparation and taking results of gas turbine GE GT-9E.
- Identify systems and sub-systems by marking up of PID's system definition and shop drawing for electrical system.
- Review operating manuals in cooperation with Vendors.
- Making walk down and Develop punch list procedure and exception list.
- Testing and commissioning for steam turbine system (lube oil, seal oil, lifting oil, hydraulic oil and generator cooling system with hydrogen).
- Clean, lubricate, and maintain equipment such as generators, turbines, pumps, and compressors in order to prevent equipment failure or deterioration.
- Make adjustments or minor repairs, such as tightening leaking gland and pipe joints; report any needs for major repairs.
- Participate in sample collections like collect oil, water, and electrolyte samples for laboratory analysis for analysis and plant performance monitoring.
- Operate, observe and collect data from all machinery and equipment in my area of responsibility as per operating procedures and safety regulations to maintain plant productivity.
- Inspect power plant equipment and indicators to detect evidence of operating problems.
- Handover Shift Log, report and activities to the incoming shift Field Operator to ensure proper and smooth plant operation.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning.
- Report hazards, incidents or accidents and participate in the study and analysis of the route cause to prevent escalation and recurrence.