

106458-MEC-45DOS-E-2009
Field Operator & Commissioning Engineer

Holds a B. Sc. in Mechanical Engineering and 3 Diplomas. Has about 10 years hands-on experience working in operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/07/1984
Gender : Male
Residence : Qalubia

EDUCATION

- : B. Sc. in Mechanical Engineering, Benha University, 2009
- : Higher Diploma in mechanical energy engineering and technology, Benha Higher Institute of Technology
- : Up-intermediate Diploma in electrical machines, Industrial Technical Institute of Mataria
- : Intermediate Diploma in maintenance of electrical equipments

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

- : Windows, MS Office, Internet
- : Solid Works
- : AutoCAD 2D & 3D
- : Wincad & wicam
- : Cnc cad
- : Plate n sheet
- : Sheet metals cutting suite

TRAINING COURSES AND CERTIFICATIONS

- : Course 6 levels of general English & 6 levels of conversation English training course from real soft for software and systems development.
- : Certificate in Business administration & planning & customer services training course.
- : Certificate in Human resources development communication skills & leadership & teamwork training courses from real soft for software and systems development.

- : PTW training and LOTO certificate.
- : Fire and Safety trainings:
 - First Aid.
 - Safety and Fire fighting.
 - SCBA and H2S Awareness Training.
 - Familiar with Fire & Gas detection system, fire hydrants and monitors.
 - Completion BASIC FIRE FIGHTING at safety zone.
 - Completion of AUTHORISED GAS TESTING at safety zone.
 - Trained in firefighting all type of Extinguishers, CO2, DCP, Deluge system.
 - Experience in the operation of fire extinguishers using Foam, DCP and CO2.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2018 till 2019
- Employer** : GS E&C
- Job title** : Field Operator & Commissioning Engineer
- Job Description** :
- I work with shift system with GS-EPROM team as supervision and Utilities Field Operator.
 - Utilities high pressure boilers start-up and shutdown and normal operation.
 - Cooling tower start-up and normal operation and side stream filter.
 - Nitrogen unit start-up and normal operation.
 - Plant air multistage compressors start-up and normal operation.
 - Raw and demi water start-up and normal operation.
 - Tank farm activity until start-up.
 - Boilers punch list and punch clear (Utility unit).
 - Babcock – Hitachi k.k boilers leak test and water flushing (Utility unit).
 - Babcock – Hitachi k.k boilers soda boiling preparation and start-up (Utility unit).
 - Mechanical run test of high pressure boiler feed water and medium pressure boiler feed water. Gould's pumps, division of itt industries ltd. (utility unit).
 - Nitrogen unit mechanical completion and leak test and preparation to filling (inox India limited) (utility unit).
 - Stroke test and MRT for chemical injection pumps and make calibration.
 - Lube oil cycle flushing for centrifugal compressors (utility unit).
 - Natural gas line leak test.
 - Natural gas introduction & service test.

- Dates** : From 2016 till 2017
- Employer** : GS E&C
- Job title** : Mechanical Commissioning Engineer
- Job Description** :
- Pre-commissioning and Commissioning of all equipment's and machineries in plant.
 - Having good experience in field operation during start-up and emergency safe shutdown.
 - Safe running of the plant without violating SOP & safety procedures.

- Coordinating with maintenance departments for Commissioning, preventive and breakdown maintenance.
- Achieve the target production with design specific consumption.
- Preparation for confined space entry inside reactors, pressure Vessels, columns for maintenance, preparation of hydrocarbon lines for carrying out hot jobs, etc.
- Attend plant emergencies.
- Overall responsibility of the plant during shift hours.
- Monitoring of plant parameters for efficient and optimum operation of plant.
- Execution / monitoring of plant start-ups and shutdown.
- Safe chemical handling and practices with proper PPE.
- Maintaining Weekly & Monthly Reports in Operation Point of View, preparation of Start-up and Shutdown check lists.
- Capability of Taking Individual Charge in all respective areas in Utility also with high confidential performance.
- Continuously monitor the process parameters to avoid the unwanted downtime.
- Work permit system handling like HOT WORK, COLD WORK, HIGHT WORK & CONFINED SPACE.
- Preparation for confined space entry inside reactors, pressure Vessels, releasing columns for maintenance jobs.
- Pumps and other operations like pressure, Temperature, level and Flow monitoring it's normality and abnormality and take the correct decision.
- Having Experience in Tank form operation and utilities.
- Identify, plan and safely execute all maintenance jobs to monitor and record them to reduce the turndown time, increase the reliability of running equipment's and ensure availability of standby ones.
- Safe, continuous and reliable operation of the plants, ensure all environmental parameters are met with, report all unsafe acts and near miss incidents to curb down the lost time accidents.
- Chemical cleaning and Steam Blowing.
- Utilities charging inside battery Limit like Fuel gas, Fuel oil, Flushing oil, Flare, Cooling Water, Utility Water, Nitrogen, Plant air, etc.
- Dealing with routine monitoring of the technical aspects of plant operations: process pre-commissioning, commissioning, start-up and normal running.
- Completely involved in all Pre-commissioning and Commissioning.
- Pre-Commissioning & Commissioning Responsibilities:
 - Review of the plant pfd, p&id, equipment data sheet & operating manuals.
 - Final clearance of piping loops & equipment's.
 - Inspection and checklist laid on pipe lines & equipment's as per procedure.
 - Carry out safety audits and preparing deviation reports.
 - Function testing of the control valves (fcv, etc.).
 - Motor running test for pumps, compressor, air fin cooler (MRT).
 - Carry out various pre-commissioning activities such as hydro test, water flushing, air blowing, drying, card board blasting, system leak test, chemical cleaning and steam blowing.
 - Utilities charging inside battery limit like fuel gas, fuel oil, flushing

- oil, flare, cooling water, utility water, nitrogen, plant air, etc.
- Dealing with routine monitoring of the technical aspects of plant operations: process pre-commissioning, commissioning, start-up and normal running.
- Completely involved in all pre-commissioning and commissioning.
- Successfully commissioned process units.
- Preparing line checklist, blind list and blind diagram for commissioning.
- Experience in preparing and execution of work packs for the plant system and preparing punch list, loop diagrams for water flushing, air blowing, steam outs.
- Review of cause and effect, alarm tags, instrument tags.

Dates : From 2015 till 2016
Employer : Technical Company for boilers & condensers
Job title : Mechanical Engineer
Job Description : Fire tube water boilers industrials, piping, mechanical construction, maintenance of water tube pressures steam boilers, heat exchanger and condensers, some of models of boilers can be maintenance for examples steam boilers furnace generator, epcb, henan yuanda boilers, zg boilers, henan taigvo boilers. Calculators of flow pumps and pressures pumps according of design curves and characteristics curve.

Dates : From 2013 till 2014
Employer : Petromaint
Project : Ras Garaa South Sinai Oil Field
Job title : Technical Mechanical Engineer
Job Description : Maintenance work and installation of flow pumps and pressure pumps and pipes lines for water separator.

Dates : From 2011 till 2013
Employer : Egyptian Germany Company for engineering industrials
Job title : Mechanical Engineer
Job Description : Computer aided design for all sheet metals process by used cad programs for ex.: Solid Works, AutoCAD, cnc cad and inventory quantities.

Dates : From 2009 till 2010
Employer : Technology Company for engineering industrials
Job title : Mechanical Design Engineer
Job Description : SOLID WORKS & AUTOCAD design, industrials, assembly, welding operation, all sheet metals process and costing an inventory quantity. For example of some of products: Tanks, cyclone, filters, stone and plastic grinding machines, concrete station components, plastic recycle lines, some of components of paper recycle lines an steel structures.

Field of experience :

- Experience in Refinery Oil & Gas.
- Experience in Commissioning, Pre-Commissioning, Operation, Utilities & Storages.

- Experienced Mechanical, Commissioning Engineer and Field Operator with 10 years invaluable experience of successful overseeing and completing projects from conception to completion. Having a proven ability to improve efficiency by finding solutions to complex customer problems all too tight work schedules.
- Key Skills:
 - Field & DCS Operation.
 - Pre-Commissioning.
 - Commissioning.
 - Start-up.
 - Normal Safe Plant Operation.
 - Trouble Shooting Operation.
 - Shutdown.
 - Safety.
 - Supervision.
 - Controlling & Monitoring.
 - Document Preparation for pre-commissioning & commissioning activities.
- Safety knowledge:
 - Issuing work permit like General work permit, hot work permit, confined space entry work permit.
 - Performing tool box talk at work location.
 - Ensuring operations activities at the facilities are performed in accordance with established Company Quality procedures, HSE Codes and standards and recognized industry standards.
 - Usage and handling of all types of fire extinguishers.
 - Act as area authority for PTW system at the assigned location.
 - Ensuring PTW system is followed and all safety regulations are adhered in GS C&E.
 - Handling of fire fighting equipment's like water monitors, Mobil foaming equipment's & Personal Protective Equipment's.
 - Preparing Job Safety Analysis & Risk Assessment for the pre-commissioning and Commissioning Activities.
 - Ensuring safety always.
- Other Skills:
 - Convert the engineering drawing to working drawing.
 - Engineering design.
 - Reverse engineering.
 - Sheet metals operation.