

Holds a B. Sc. in Chemical Engineering and has about 12 years' experience in commissioning, start-up and operation for Refinery Plant and Petrochemical Plant, Recovery with accumulated knowledge of processes, fractionation towers, separation, process simulation, blow down system and dryer system. Utility unit, stripper column, heater, heat exchanger, pumps and compressors.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/01/1989
Gender : Male
Residence : Currently Iraq

EDUCATION

: B. Sc. in Chemical Engineering, El-Shorouk Academy in Cairo, 2010

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Petroleum Refinery Engineering.
: Process Fluid Mechanics.
: Inorganic Industries (Cement, Fertilizers).
: Nuclear Energy Engineering.
: Mechanical Unit Operation.
: Plant Design and Economics.
: Material Science Corrosion.
: Heat and Mass Transfer.
: Steady State Simulation using Aspen Hysys, Cairo University (Feb. 2010).
: International Computer Driving License, El-Shorouk Academy (2010).
: Many visits to some companies like Water Treatment Co., Suez Co. for Petrochemicals.

- : Training at Khalda Oil Co. (Aug. 2008):
 - Trained on stages of purification of natural gas.
 - Trained on safety systems.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2021 till now
Employer : HDGSK JV
Project : KARBALA REFINERY PROJECT, IRAQ
Job titles :

- Utility, Offsite & Process Trainer
- Commissioning Engineer

Job Description :

- Commissioning Engineer.
- Operation Engineer and responsible for training the operation team in the DCS and out site operators.
- Prepare of SOP (standard operation procedure) of process, offsite and utility units.

Dates : From May 2020 till Jan. 2021
Employer : PM&C Saudi Arabia Co. Ltd
Project : ARAMCO RAS TANURA REFINERY (RTR), CLEAN FUELS PROJECT, KSA
Job title : Commissioning Engineer
Job Description :

- Prepare of SOP (standard operation procedure) of process units (Remote online work).
- Unit experience: SWS, ARU, DHT, NHT, KHT, CDU and VDU, Flare unit, tank farm unit and utility unit.

Dates : From Jan. 2017 till Mar. 2020
Employer : GS E&C
Project : ERC Refinery Project, Mostorod
Job titles : Commissioning Engineer / DCS Engineer
Job Description :

- Unit experience: SWS, ARU, DHT, NHT, KHT, CDU and VDU, Flare unit, tank farm unit and utility unit.
- Supervision of loop test, function test, reviewer logic & cause and effect, reviewer P&ID and operating narrative.
- Commissioning Flow:
 - Confirmation of construction.
 - Instrument loop test, function test and sequence test.
 - Utility service and flushing.
 - Auxiliary equipment running test.
 - Inter lock test.
 - Initial firing test.
 - Soda boiling and dry out.
 - Blowing out.
 - Steam line blow.
 - Safety valve popping test.
 - Combustion test.
 - Performance test.
 - Commissioning schedule.

- Check sheet.
- Job Responsibilities:
 - Control process start-up, shutdown and normal operation.
 - Monitor process parameters and adjust process conditions as per set values, instructions and procedures to maintain optimum rates and product quality.
 - Check routine and non-routine Lab analysis. Update and implement the Lab results in respective books. Based on lab analysis make parameter adjustments to keep the process stream and product specifications on spec.
 - Instruct the field operator to adjust the equipment, manual valves, chemical injections and changeover of equipment as per the process demand & schedule.
 - Deviations from the normal readings are brought to the attention of shift supervisor.
 - Immediately communicating process upsets and process changes in his assigned areas to upstream and downstream panel operators and to shift supervisor.
 - Check alarm summary on continuous basis, reports abnormalities to shift supervisor and take corrective actions to normalize alarms and adjust process parameters to keep the unit streamlined.
 - Keep a track of all the permits issued and update the progress of the maintenance jobs.
 - Handling all types of emergencies, which may include tripping of an equipment, gas or hydrocarbon leak.
 - Complete log sheets and maintain a daily log of all events occurring in the assigned area. Gives and receives a verbal handover at the start and end of every shift.
 - Give and receive verbal and written handovers at the start and end of a shift.
 - Make suggestions for the improvement of plant operations and procedures.
- Key Skills:
 - Extensive expertise (test, design, development and operations), good IT and analytical skills.
 - Compressive experience of pre-commissioning, commissioning, start-up and handover activities in Upstream, Refining, Petrochemical and Downstream Oil and Gas Facilities.
- Process: Deep knowledge in commissioning, start-up, operating, handover and turn around, Distillation and Fractionation Towers, Furnaces. Reactors, Catalyst Handling Units, Distillation Columns, Stabilizer and Splitters Columns.
- Mechanical:
 - Commissioning and operating of: Gas Compressor, Multistage Gas Compressor, Air Compressor, Steam Turbines, Centrifugal and Reciprocating Pumps, Air Blowers, Forced Draft Fan. Static Equipment: Columns, Vessels, Reactors, Regenerators, Pipe Lines.
 - HSE Safe working conditions and International regulations.
- MAJOR DUTIES:
 - Supervising, surveying and checking all commissioning activities (including cleaning the lines by air and steam blowing, water flushing, pigging, chemical degreasing, Leak test, verifying re-

instatement after cleaning, tightness tests, drying, air freeing). Checking the regulating loops, verifying all equipment's in accordance to the P&ID, signaling any deviation from projects, carry out pre- and final P&ID punch listing prior to issuing of MAC's and punch clearance. Assisting the functional testing, prepare systems for mechanical run-in of rotating equipment, verifying that all pre-mechanical activities are carried out according to project specifications. Actively involved as a Focal Point during Start-up, 72 Hours Test Run and Reliability activities on Control Room and Field as well.

- Performing all the pre-commissioning and commissioning mandatory activities as; air blowing, water flushing, degreasing of subsystems and system reinstate work supervising. Preparation the circuits per systems and subsystems for tightness test and leak test, oxygen freeing, dew point checking, monitoring the ongoing work clearing punch list items. Responsible for safety, safe working practices end environmental issues in all the areas under control, toolbox talking. Involved in controlling HSSE during pre-commissioning and commissioning, permanently reminding to the subcontractors and the taskforce to respect safety procedures.
- In conjunction with the project management and leads, establish an optimal project task force structure to support the Project Execution Plan. Supervising the following activities: Visual and technical inspection of Furnaces, Heat Exchangers, Distillation Towers, issuing a Punch List and ensuring the work is completed successfully, Commissioning, Start-up and Shut-down, Trouble shooting, Emergency Handling of Process Operations of facilities in area in charged.
- During the normal running of units doing permanently being involved in standard operations, in gaining new techniques and to apply safe them in my work performing the training with the operational staff, about: normal running operations, emergency shut down operations of units and how to bring its back in safe conditions. Leading the operational team during verification of the field equipment after overhauling and prior start-up, close monitoring start-up activities and improving safety behavior of operational team.
- Supervising during the shift plant normal running operations, the proper running of main equipment and monitoring the panel and field operator activities. Following up the process parameters and checking the products analysis, controlling the observance of work protections rules. Charged during overhauling activities with all mechanical repairing activities related to Furnaces, Boilers, Heat Exchangers, and Distillation Towers, checking and issuing the completion list.

Dates : From 2011 till Jan. 2017
Employer : TCI SANMAR (a group company of SANMAR-INDIA)
Job titles : Site Engineer – DCS Supervisor – Shift Team Leader
Job Description :

- Worked as Process Engineer on PVC Plant in Port Said.
- The area in which I worked was PVC Polymerization Reactor section,

blow down, VCM Recovery, Drying and Bagging of PVC. Apart from this I handled the Supervision of the DCS.

- Field of experience :**
- One of the team members who participated in the commissioning of the constructed 150 KT FLUID BED DRYER.
 - Presently in the dryer unit with 3 dryer running flash dryer / fluid bed dryer.
 - Continuous monitoring of parameters and changing for effected quality control of product.
 - Checking samples periodically.
 - Familiar with operator of Centrifuges, Blowers, Rotary Conveyors, Heating Coils and exchangers.
 - Familiar with all stages of operation leading to the manufactory of PVC from VCM.
 - Able to identity trouble shooting and to rectify the stone.
 - Familiar with operation in the reactor starting from charging of additives to VCM and initiator.
 - Equipment familiar with Centrifugal Pumps, Reactor parameters, location of all nozzles.
 - Areas worked in: PVC Plant - Polymerization section.
 - Blow down of PVC slurry.
 - Stripping of unreacted VCM from slurry and recovery of VCM.
 - Liquefaction of recovered VCM.
 - Drying and bagging of PVC.
 - Tank farm, utilities section and vent gas absorption.
 - Waste water stripping.