

100119-CHE-4MOS-E-2011

DCS / Panel / Control Room Operator

Holds a B. Sc. in Petroleum Refining & Petrochemical Engineering and a Diploma in Chemical Engineering. Has about 12 years experience working as DCS / Panel / Control Room Operator.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/03/1987
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Petroleum Refining & Petrochemical Engineering, Suez Canal University, 2011
: Diploma in Chemical Engineering, Alexandria University (2015-2016)

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: HYSYS PROCESS SIMULATION 7.1
: THEN program (The Heat Exchanger Network)
: Pipelines Design Program (Pipe Flow Expert v1.08)
: VISUAL BASIC, MATLAB, LINGO
: AUTOCAD 2D
: Excel Professional for Scientists & Engineers

TRAINING COURSES AND CERTIFICATIONS

: HYSYS PROCESS SIMULATION 7.1 (Cairo University).
: Industrial Energy Management at Energy University (online).
: Heat Transfer Equipment Operation, Start-up & Commissioning at OGS (Oil and gas skills).
: Oil & Gas Storage, Shipping and Utilization at OGS (Oil and gas skills).
: Process Plant Design at OGS (Oil and gas skills).
: HAZID, HAZAN and HAZOP Studies at OGS (Oil and gas skills).

- : Pressure Vessels Design, inspection & Repair at Enppi.
- : Start-up & Commissioning activity at OGS (Oil and gas skills).
- : Surface Facilities Production Operations at OGS (Oil and gas skills).
- : International Computer Driving License (ICDL) V.4.
- : English: 4 Levels conversation Course, AXON (2010).

CHRONOLOGICAL EXPERIENCE RECORD

- Employer** : Alexandria National Refining & Petrochemical Company (ANRPC)
- Job title** : DCS / Panel / Control Room Operator
- Dates** : 2021
- Employer** : EPROM
- Project** : SOPC Co.
- Job title** : DCS / Panel Operator for VDU (Vacuum distillation unit) (New Asphalt unit)
- Job Description** :
- Plant start-up, Shutdown and Emergency Handling ensuring timely execution and Power failure from DCS.
 - Currently working in Yokogawa Centum VP DCS.
 - Present responsibility of Loop checking, function test, stoke checking, etc.
 - Charging of the plant utilities, Cooling water system, Plant Air, Nitrogen, Service water, Steam line, etc.
 - Steam driven Turbine Warm up & start-up.
 - Equipment handling: Reactor, Stripper, Splitter, GAS Compressor (Centrifugal), Drier Reciprocating Compressor, etc.
 - Different type heat exchanger such as shell and tube type, Air Fin cooler, double pipe, and kettle type Exchanger used.
 - Recording of Important Parameter during production.
 - Responsible for steady state operation from DCS.
 - Plant start-up, shutdown and emergency handling ensuring timely execution and Plant Trip, Power Failure, Pump Failure.
 - Start-up of Plants and all Equipment's as per Standard operating procedures.
 - Plant lineup for start-up and shut down.
 - Vessel, separators and filters.
 - Different type heat exchanger such as shell and tube type, Air Fin cooler, double pipe.
 - Recording of Important Parameter during production.
 - Study all running parameters for rectify the problems during production.
 - Responsible for smooth and safe operation of plant and ensuring strict compliances with safety procedure, work permit procedure and standard operating procedure.
 - Responsible for steady state operation from Field.
 - Start-up and normal as well as emergency shutdown that may happen due to utility failure like power failure, cooling water failure, Instrument air failure, Power Failure.
 - Interaction with maintenance group for routine and non-routine maintenance activities, Ensuring equipment's in safe and healthy

condition.

- Dates** : From 2014 till 2020
- Employer** : Alexandria National Refining & Petrochemical Company (ANRPC)
- Job title** : DCS / Panel Operator for CCR (Continues Catalyst Regeneration) Platforming unit, NHT unit, LPG unit
- Job Description** :
- Operate plant process via DCS consoles following approved procedures.
 - Maintain knowledge of all production and efficiency targets.
 - Maintain a continuous overview of plant operations and performance, lead discussions in plant operation trouble shooting for assigned areas of plant ensuring that corrective actions have been completed.
 - Identify and bring to the attention Process and Systems Engineers process problems and assist in their mitigation and implementation.
 - Ensure maximum Naphtha Production and /or efficiency as per the Production Plan ad Plant Operating Strategy.
 - Carry out prompt actions to address any operating deficiencies that may jeopardize safety or breach environmental standards.
 - Maintain accurate written DCS shift Log.
 - Attend and contribute to Hazardous Operations Assessments (HAZOP) as requested by Technical department.
 - Identify and report plant defects using the computer-based Maintenance Planning System.
 - Active participation in plant shutdowns and turnarounds.
 - Support equipment maintenance preparations and securing activities ensuring safe equipment handover to Maintenance department.
 - Identify plant improvement opportunities and submit plant change request and software change request.
 - Attend Pre-commissioning and commissioning work on CCR Platforming unit as new extension in the company.
 - Check form objective for each system component (vessels, control valve) and boxing up vessels in order to insure its construction /installation and readiness for commissioning.
 - Doing walkthrough for each system and noted all comments.
 - Writing punch list for the system and determine its categories A or B or C.
 - Knowledge of leak test work & hydrostatic test.
 - Perform lube oil flushing works & lube oil / coolant filling.
 - Witness for chemical cleaning objective and Steam blowing, steam out works and nitrogen purge & dry out works.
 - The Continuous Catalyst Regeneration (CCR) Section of a UOP Platforming Unit gives refiners the flexibility to operate the reaction section at high-severity conditions with a CCR Section, however, the refiner is able to operate the Platforming Unit without having to shut down for catalyst regeneration. This is done by regenerating the catalyst continuously in the CCR Section while the Platforming reaction section continues to operate.

- Dates** : From 2013 till 2014
- Employer** : Weatherford Company
- Project** : Al-Hammar Oil facility 200,000 BOPD (Eni Plant), Albasra - Iraq

- Job title** : Plant Operator
- Job Description** :
- Chemical handling, transporting and filling.
 - Operate, observe and collect data from all machinery and equipment in his area of responsibility as per operating procedures and safety regulations to maintain plant productivity.
 - Perform local operations as instructed according to approved procedures to reach the on-spec final product.
 - Monitor, observe and collect data from local control panels and instruments of the different systems ensuring stable and efficient plant operation.
 - Detect, solve and report any abnormalities or malfunctions in the equipment or facilities in order to maintain plant reliability.
 - To prepare, follow-up and report maintenance activities of the equipment and facilities ensuring safety for personnel and preservation of the equipment.
 - Report hazards, incidents or accidents and participate in the study and analysis of the root cause to prevent escalation and recurrence.
 - Follow-up housekeeping tasks to eliminate safety hazards and maintain clean working environment.
 - Participate in sample collections for analysis and plant performance monitoring.
 - Handover Shift Log, report and activities to the incoming shift Field Operator to ensure proper and smooth plant operation.
 - Operation of utilities, air compressors, firefighting system, nitrogen package and potable water.
- Dates** : From 2011 till 2013
- Employer** : Khalda Petroleum Co. (Apache)
- Project** : Kalabsha 40,000 BOPD oil facility
- Job title** : DCS / Panel Operator
- Job Description** :
- Preparation of daily production and comments reports.
 - Mechanical isolations, depressurizing, drains, flushing, and take Readings.
 - Ensuring the facility is constructed in Accordance with engineering design, Hazop, industry codes and standards.
 - Reviewing project documents including mechanical completion certificates and as built drawings.
 - Witness to construction and pre-commissioning activities (hydro test, air blowing and reinstatement).
 - Direct supervision for commissioning and gross leak tests (CLT & GLT).
 - Reviewing Cause and Effect with the system supplier.
 - Reviewing pre-commissioning mechanical check sheets, preparing and follow up clearance of mechanical punch lists.
 - Review the P&ID's, PFD, Material Balance and Isometrics.
 - Issue the design basis for the design companies.
 - Prepared the safe chart and the cause and effect for the new green facilities to improve production and increase the safety of the system after un-controlled changes.
 - Execution for start-up procedures according to the operating and maintenance manuals.

- Prepare start-up procedure and operating manual.
- Ensuring that Projects are Designed and Constructed in Accordance with the Company's Engineering Guidelines and Specifications, Industry Codes and Standards, and Regulatory Agency Requirements to meet necessary functionality and performance requirements.
- Preparing risk assessments, HAZOP and HAZID analysis.
- Issue work permits, impose safety requirements, and compliance.
- Attended most Field Instruments and DCS Commissioning:
 - Engineering & Programming of FSC ESD and F&G Systems.
 - Participating in all commissioning phases and start-up of all plant instrumentation.
 - Loop testing, packages reviewing and witnessing and wiring.
 - Review of manufacturers QC records, Calibration check for field installed items.
 - Verification of label and tag numbers, witness of leak test of instrumentation tubing.
 - Experience in operation with DCS Systems (Honeywell, Foxboro, Triconex and Invensys).

- Field of experience :**
- About 12 years' experience working as DCS / Panel (Control Room) Operator in VDU (Vacuum distillation unit), NHT unit (Naphtha hydrotreating unit), CCR platforming unit, LPG unit and Oil & gas processing and attend the commissioning & start-up.
 - Attend commissioning & start-up for VDU (Vacuum distillation unit) (new Asphalt unit) at SOPC Company with EPROM Company.
 - Attend Pre-commissioning, commissioning & start-up for CCR Platforming Unit at Alexandria National Refining & Petrochemical Company (ANRPC).
 - Attend Commissioning & start-up for Al-Hammar Oil facility 200,000 BOPD, and Nitrogen production unit at Weatherford Company (Eni Plant), Albasra, Iraq.
 - Attend Pre-commissioning, commissioning & start-up for new green facility project (for Kalabsha 40,000 BOPD Oil facility) at Khalda Petroleum Company (Apache).
 - Attend Commissioning & start-up for New Compression Station 30.000 MMSCFD at Khalda Petroleum Company (Apache).
 - DCS / Panel / Control Room Operator Major Job duties and assignments:
 - Keep smooth operation by following normal operating condition.
 - Direct operational functions and planning for activities required in the shift.
 - DCS operations and monitoring for all facilities and good knowledge of DCS / SCADA and F&G systems.
 - Direct supervision on plant operation, operating conditions, unit's performance and provide technical assistance to ensure maximum plant productivity with safe regulations.
 - Participate in many planned shutdowns and start up, taking part in all operations activities during plant shut down, start-up and normal operation.
 - Adjust the operating condition to produce oil with the required specs and ensure its consistency with Lab analysis.

- Preparing of daily production report.
- Good knowledge about processing equipment's troubleshooting and maintenance.
- Perform on job training for new DCS Controllers employee during plant normal operation condition.
- Review and update plant operating procedures.
- Capture and apply all internal and external lesson learned based on the appropriate incident investigation.
- FIRE & SAFETY:
 - Knowledge of Fire & Safety procedure.
 - Experience in the operation of Fire Extinguishers using DCP & CO2, Foam Trolley.
 - Familiar with Fire & Gas Detection System, Fire Hydrants, H2S Detector, Personal Protective Equipment (PPE), Escape Set & Breathing Apparatus (BA).
 - Hands-on experience in issuing Work Permit (Hot/Cold/Confined Space Entry & Excavation).