

107197-MEC-45CKS-E-2014
Commissioning & Operation Engineer

Holds a B. Sc. in Mechanical Engineering and has over 5 years hands-on experience working in oil & gas industry.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/12/1992
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Mechanical Engineering, 2014

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Revit MEP 2014
: AutoCAD 2014 (2D)
: Hourly Analysis Program (HAP) 4.8, Carrier E-20 and HVAC selection programs

TRAINING COURSES AND CERTIFICATIONS

: Trainings at:

- Iron and Steel Company (2010).
- Cairo Oil Refining Company (2011).
- Egypt Air (2012).
- Arab Contractors (2013).

: 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.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2016 till now
Employer : GS E&C
Project : Egyptian Refinery Company (ERC Project), Mostorod
Job title : Commissioning & Operation Engineer
Job Description :

- Assigned as a Commissioning Engineer to follow up commissioning activities and prepare the readiness of the refinery for oil in stage, assignment is extended to witness the start-up phase and operation till handing over the project to the ERC owner.
- Participate in NHT/CCR unit start-up and normal operation.
- Perform 3 turn arounds to troubleshoot some problems in CCR unit.
- Monitor daily operation condition in unit and perform any assigned task effeciently and according to HSE rules.
- Trained and assigned as Recieving authority for PTW system in NHT/CCR unit.
- Lead Catalyst Loading activities for Reformer reactors and NHT reactors and perform gamma ray calibration of CCR catalyst levels.
- Lead Catalyst Loading activities for Pressure Swing adsorbing (PSA) at hydrogen Production Unit (HPU).
- Lead Sand Filters & Activated Carbon Filters Loading activity at Raw Water Treatment Unit.
- Preparing the complex daily activities report to the top management.
- Prepare all required Commissioning, operations and start-up procedures.
- Review & Witness reactors & vessels and towers internals installation and inspection to ensure complying with Licensor requirements.
- Reviewing construction implementation as per the project specification, codes & Standards.
- P&ID punching and priorities the punch list from operation point of view
- Supervise implementation of Pre-Commissioning pipeline cleaning operation such as chemical cleaning, water flushing, air blowing, and steam blowing.
- Participated in complex several surveys such as but not limited to thermal expansion consequences, H2S detectors location and optimization, Long Bolts Flanges fire impingement, OWS and CSS, Analyzer house/cabins gas detection requirements.
- Participate in preservation operation for rotating equipment such as compressors and pumps.
- Inspection & execution for leak test and vaccum test.
- Inspection & execution for (reinstatement) activity according GS procedure.
- Review & check missing materials.
- Perform flange management, re-instatement & vessels box-up work after pre-commissioning.

Dates : From Feb. 2015 till Apr. 2016
Employer : Techno-Metal Factory for HVAC Manufacturing

- Projects** : • Dar El Fouad Hospital
• Mall of Egypt
• Burullus New Power Station
• Egyptian Chemical Industries (Kima Aswan)
- Job title** : Production & Maintenance Engineer
- Job Description** : • Make fabrication Duct and Accessories of Duct for these Projects.
• Make shop drawing for any projects to fabrication Duct and Accessories of Duct.
• Used Cam duct software to insert on all CNC machines to be fabrication.
• Used AutoCAD MEP software to insert also on all CNC machines to be fabrication.
• Follow the production process and the quality of the machine.
- Dates** : From Jul. 2014 till Jan. 2015
- Employer** : BIM Gate Engineering Services
- Projects** : • Jahra and Farwaniya Courts Complex, Jahra, Farwaniya, Kuwait
• EL ANDALUS School Project, Doha, Qatar
• ALAMADI Project, Lusail, Qatar
• ELWAKRA MALL Project, Qatar
- Job title** : Fire Fighting & Plumbing Engineer
- Job Description** : • Involved in some of the most cutting-edge and innovative projects and programs of our time, addressing the big challenges of today and shaping the built environment for generations to come.
• Designed, developed and maintained, FF, WATER SUPPLY & DRAINAGE systems and components to required specifications, focusing on economy, quality, reliability, safety and sustainability.
- Further experiences** : Worked as a MEP BIM Coordinator and Revit Specialist for the following consultancy and contracting firms:
• SHAKER GROUP CONSULTANT - Project 57357 Hospital - Smart Building -Egypt.
• CROWN HOME CONSULTANT - Kala King Abd El Aziz International Airport - KSA.
- Field of experience** : • Worked in Commissioning of HVAC Sytems, MEP Systems and finally Oil Refinery.
• Perform & participate in Pre-Commissioning / Commissioning, Start-up & Operating NHT/CCR unit at ERC Refinery.
• Has accumulated knowledge of the following:
- Pipeline Cleaning (Air/water flushing, steam blowing, chemical cleaning).
- Systems reinstatment.
- Vessles/Towers/Reactors internal inspections.
- Leak Testing.
- Mechanical Running tests for Pumps/Compressors.
- Catalyst loading.
- Heaters Dryout.
- NHT/CCR unit start-up and operation.
• 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.
- Preparing Job Safety Analysis & Risk Assessment for the pre-commissioning and commissioning Activities.
- Ensuring safety always.