

100466-MEC-CSW-E-2001
Senior Commissioning Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 14 years hands-on experience in Oil & Gas and petrochemical mechanical construction, working in large scale construction projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/05/1979
Gender : Male
Marital Status : Married
Residence : Currently UAE

EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University, 2001

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD
: Lufkin Automation programs
: ADCO PTW software

TRAINING COURSES AND CERTIFICATIONS

: English course: upper intermediate 3 & level 7 of conversation at the British Council.
: Principles for Sucker Rod Pumps, Lufkin, Cairo (Nov. 2005).
: PTW permit to work training (ADCO), UAE (Feb. 2012).
: TRA training (Task Risk Assessments), UAE (Feb. 2012).
: H2S/BA Awareness, Emirates ERM Risk Management & Consulting (UAE, Jan. 2011 & UAE, Apr. 2012).
: PMP certified from Cambridge (Mar. 2013).
: NASP (The National Association of Safety Professionals, USA), Cairo (Nov. 2010).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2016 till now
- Employer** : Mott Macdonald, Abu Dhabi, UAE
- Project** : NEB Phase III
- Job title** : Sr. Commissioning Engineer
- Job Description** :
- Help contractor to plan, scheduling and execution of Pre-Commissioning, Commissioning, Start-up and Test Run activities for the project such as:
 - Pre-Commissioning and Commissioning of export line from Rumitha field to BAB (102 KM), TL, GL, PWRI, WAG lines from new CPP to Clusters, in addition to pipelines from Clusters to GL,WAG and WI wells.
 - Pre-Commissioning and Commissioning for the new CPP and Clusters equipments which including but not limited to Oil Export pumps, slug catcher, separators, desalter, strippers, tanks, PG compressors, IA compressor, test separators and utility facilities.
 - Coordination with Construction Team, discipline engineers, Vendors Site representative, Company Operation and Maintenance engineers to expedite carrying out pre-commissioning and commissioning activities, in addition to provide Pre-Commissioning Preservation and Fault Free Start-up support.
 - Follow up implementing and running of project commissioning processes and procedures.
 - Responsible for ensuring that equipment and systems are functioning at the efficiency level for which it were designed and meet the operational needs.
 - Create, update and maintain the commissioning issues log, following up with Contractor/Vendor proper close out of all pending commissioning and post Commissioning issues.
 - Conducts site visits and Cx meetings during the construction phase of projects.
 - Review specifications and design documentation to ensure the systems can be properly commissioned and maintained.
 - Review project submittals for consistency with the design intent, basis of design and the owner's project requirements.
 - Develop the commissioning verification sheets and test procedure.
 - Provide field verification through witnessing and testing to ensure project quality and adherence to design.
 - Develop functional test plans and execute tests for a wide variety of mechanical, and controls systems. Working knowledge of Life Safety systems is a plus.
- Dates** : From Dec. 2012 till Dec. 2015
- Employer** : CH2M HILL, Abu Dhabi, UAE
- Project** : ASAB FFD
- Job title** : Sr. Commissioning Engineer

- Job Description** : • After completion of my assignment as Sr. Construction Engineer in SAS / FFD project with ADCO, I started to handle all site pre-commissioning and commissioning activities direct reporting to Project Commissioning Manager.
- In addition to the above mentioned commissioning fields of experience, roles and responsibilities, please note below details:
- Pre-Commissioning and Commissioning of MOL from ASAB to BAB (92 KM), TL, GL, PWRI, WAG lines from new CDS to 6 RDSs, in addition to pipelines from RDSs to GL,WAG and WI wells.
 - Pre-Commissioning and Commissioning for the new CDS and RDSs equipments which including but not limited to MOL pumps, slug catcher, separators, desalter strippers, spheres, floated and fixed roof tanks, PG compressors, IA compressor, test separators and utility facilities.
- Dates** : From Jan. 2011 till Dec. 2012
- Employer** : CH2M HILL VECO Engineering, Abu Dhabi – UAE
- Project** : ADCO Representative for SAS / FFD Project in Abu Dhabi
- Job title** : Mechanical Construction Engineer (PMT)
- Job Description** : • Involved in implementing all project mechanical specifications according to standard codes (ASME B31.3, 31.4 and 31.8) beside SHELL DEP. To achieve required project Quality and evaluate work performed by the Contractor and subcontractors to insure that the work is being executed in accordance with project specifications.
- Acting as Construction Superintendent, direct report to Construction Manager and supporting in coordinating different activities affected mechanical, safety and work completion.
 - Facilitate and coordinate all mechanical engineering technical work products in the brown/green field (Piping, Pipeline and Equipments).
 - Following up daily site progress, from the Contractor and subcontractors as well as technical information requests.
 - All piping activities in side RDSs, fabrication, erection, punch listing, hydro testing and pre-commissioning hydro testing and pre-commissioning.
 - Handling all pipeline and TL activities fabrication, lowering, HT, precomm, caliber pigging, commissioning and IPS activities.
 - Involved in Shutdown activities belongs to mechanical department such as pre-shut down activities, reviewing shutdown tie in packages and schedule, follow up daily progress of the shut down, surface testing for all tie-in joints and issuing tie-in ITRs (inspection test record) in order to issuing MCC (mechanical completion certificate).
 - Involved in erection of all equipment inside RDSs such as flair stack, poster pumps, multi phase manifold, nitrogen receiver, nitrogen package, chemical skids, gas knockout drum, multi phase flow meter.....etc.
 - Participating in most EPC contractor and PMT meetings such as (weekly construction and kick-off meeting).
 - Follow up commissioning issues with both contractors and vendor in order to close out pending issues properly.
 - Review and approving mechanical documents for contractor and subcontractors in brown/green field such as:

- Piping Tie-in works, method statements, TQs and inspection test plan in order to process according to project procedures.
- Piping /equipments fabrication and erection method statements and inspection test plan.
- Different kinds of permits and certificate (daily, weekly and monthly) approving new TRAs as well.
- All lifting plans for the contractor and sub-contractor exceeding 10 tons.
- Review and approve MCC and RFC for complete system and sub systems.
- Reporting equipments and material failure and follow-up with main contractor all commissioning and warranty issues to achieve proper Project close out.
- Follow-up handing over of all project documents from Contractor to ADCO / ADNOC technical library.

Dates : From Jul. 2009 till Dec. 2010
Employer : Orascom Construction Industries (OCI)
Project : Sorfert Fertilizer Complex Project, Arzew Industries Zone, Oran, Algeria
Job title : Senior Construction Engineer Grade 1B (piping)
Job Description :

- The following are just brief of the activities which I handled, all details mentioned in above tilted field experience and my current project.
- My responsibilities is to handle for the following activities:
 - Piping erection beside fabricating small bore (about 5000 ton).
 - Pipe supports erection for all project (64000 pipe support 2000 ton).
 - Issue all materials from technical office.
 - Requesting all kind of (RFI) and discuss its solutions with technical office.
 - Handling site activities like rigging, required cranes, etc.
 - Arranging for weekly meeting with site supervisors and technical office for proposing site modifications.

Dates : From Jan. 2008 till Jun. 2009
Employer : Consolidated Contractors International Company (CCC)
Project : Bab Habshan Gas Complex Expansion Project (HGCE), Abu Dhabi – UAE
Job title : Senior Site Engineer (Mechanical Piping)
Job Description :

- HGCE Area (units 152, 153 and 133) Site Engineer, responsible for all piping fabrication, erection & engineering activities belongs to units 152, 153 and 133 up to 60" diameter managing and coordination among different disciplines (Safety, Civil, Mechanical, E&I and subcontractors) leading about 500 persons at site (8 Supervisors, 12 Foreman, 30 Charge Hand) which reporting direct to me and I'm reporting direct to Area Construction Manager.
- Responsible for providing the site with all required material (pipes, valves, spools, etc.) and handling all technical problems with engineering DEP.
- Also responsible for completing all test package and closing all punch items relate to test package.
- Helping and facilitate pre-commissioning and re-instatement activates.

Dates : From Jan. 2006 till Jan. 2008
Employer : LUFKIN Middle East
(International company for manufacture, installing and maintenance of Sucker Rod Pumping units (Artificial lift) and well electronic control systems)
Job title : Mechanical Engineer
Job Description :

- Working as Site Mechanical and Maintenance Engineer.
- Leading Lufkin's crew in fields for installing and maintenance the deep sucker rod Pumps dealing with Rigs to install pumps and rods.
- Install the surface pumping unit, flow line and it's control equipment (installing, programming, finally make data analysis for the downloads gotten from the control devices).
- Perform fluid level surveys for Egyptian oil companies by using ventawave2 and data gathering program.
- Work with private programs from www.lufkinautomation.com such as Diag, dynalink, flash up grade, ventawave2.

Dates : From Mar. 2004 till Jan. 2006
Employer : Onshore/Offshore Projects C. (OPCO)
Project : Qasr Gas Development Project, Salam Base, Matrouh
(Consists of connecting 8 Gas Well at QASR field with the two different plants at Tarek and Obayed by 24" (38 km) & 18" (105 km) pipe lines for processing and exporting. Also involve two manifold piping at Qasr and Shams & two supporting facility for separation of gas from waste gases at Tarek and Obayed.)
Job title : Piping Engineer
Job Description :

- Fabrication and erection activities of piping network for various application and temperature including accessories such as valves, filters, strainers, flow elements, silencers, etc.
- Leak test for the supporting facility piping and nitrogen purging.
- Fully involved in the fabrication, erection, inspection and commissioning activities of 24", 18".
- Prepared hydro test package and carry out testing of pipeline and associated piping.
- Have good knowledge with NDT techniques.

Dates : From Dec. 2002 till Mar. 2004
Employer : Saiver Egypt
(Saiver is an Italian Company for manufacturing, installation and consulting all HVAC equipments and work; Fabricating Saiver FAN Coils, Air Handling units, cooling towers (Evapco); Agent for pullen (UK pumps), chillers (Lennox), DX units (Florida heat pump USA); Consulting, fabrication and erection of all chillers water systems such as piping, installations of pump, AHU, FC and duct work.)
Job title : Mechanical Engineer
Job Description :

- Solving all technical issues with the project consultant.
- Issuing all required material for HVAC system such as GA pipes, fittings, FCs, AHUs, pumps, etc.
- Supervise all piping activities and hydro test.
- Supervise installation of all equipments, chillers, FCs, AHUs and pump.

- Daily reporting to the Technical Manager about each project progress.

- Field of experience** :
- 4 years of qualitative experience in commissioning, operations and project management.
 - 11 years of experience in Oil & Gas and petrochemical mechanical construction.
 - Construction Experience:
 - Construction of piping, pipelines, equipments installation and hydro testing in various levels within Egypt, Algeria and UAE.
 - Well conversant with construction of piping fabrication, erection, testing, re-instatement and pre-commissioning from sizes 3/4" to 60".
 - Well conversant with construction of underground/aboveground pipeline from sizes 4" to 48" and testing it hydrostatically for the strength and the leak tightness adding to pre-commissioning.
 - Having excellent analytical skill & knowledge in evaluating and concluding hydro test results considering the air volume and the change in temperature.
 - Conversant with various code and standard applicable for process piping, pipeline construction and hydro testing ASME (B31.3, 31.4 and 31.8), API and SHELL DEP.
 - Possessing excellent experience & knowledge in the construction of cross-country pipeline with associated station works for gas, oil and water injection pipeline net works.
 - Capable of handling installation of different equipments, alignment and release it for hooking up with piping facilities.
 - Commissioning Experience:
 - Good experience in managing pre-commissioning and commissioning of Oil & Gas facilities (MOL, Pipelines, flowlines, piping systems and equipments such as slug catcher, separators, desalter strippers, spheres, floated and fixed roof tanks, MOL pumps, PG compressors and utility facilities).
 - Co-ordination with the Construction team to get the subsystems & systems ready for commissioning. In order to expedite pre-commissioning activities.
 - Preparation of pre-commissioning Commissioning Dossiers, Site Mark ups (Systems & sub-systems), As Built / As Tested / As Commissioned drawings and Subsystem/System list.
 - Arrange and witness Site Acceptance Test (SAT) carried out by vendor.
 - Coordinating between Company PMC, Ops. team, Contactor and Vendor to sort and solve both punch list and warranty related issues.
 - Preparation of commissioning spare parts list and test equipment requirements.
 - Preparation and Execution of Operational Test Procedures.
 - Planning, Scheduling and leading Execution of Decommissioning activities for Pipelines, piping and equipments; which should be carried out by specialized sub-contractor for decommissioning and desludging activities.
 - Follow up with Contractor execution of project Demolition scope of work.