

105302-MEC-14568CMOSV-E-2003
Lead Mechanical Piping, Static & Rotating Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 19 years of experience in heavy industrial projects such as gas plants, petrochemical, power plants, etc. in both departments of construction and commissioning.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Sharkia

EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University, 2003

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : Training course from the American University in Cairo about piping stress analysis by CAESAR II.
- : Training course from the American University in Cairo about design and construction for piping system.
- : Training course from the American University in Cairo about industrial pumps and fans selection, operation and maintenance.
- : API 650 welded tanks for oil storage training course at Inspection Academy.
- : Training course from Egyptian Welding Academy at ULTRASONIC TEST (UT) for material.
- : Training course at Shoubra El-Kheima Power Station for 2 months.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2018 till now
Employer : Out sources supplied by TUV Rheinland to the consortium of ENI and PETROBEL companies (from Nov. 2020 till now)
Out sources supplied by RINA Company to the consortium of ENI and

Project : PETROBEL companies (from Jan. 2018 till Nov. 2020)

Job title : ZOHR Field Development Project (ONSHORE GAS PLANT)

Job Description : Lead Mechanical Piping, Static & Rotating Engineer

My duties include mechanical (piping, static and rotating) activities at: Seven gas trains which consists of AGR (acid gas removal) unit and dew point (silica gel) unit - Three Sulphur Recovery Unit (SRU) - One desalination plant (RO) - as following:

- Preparing and executing of pre-commissioning/commissioning task activities related to piping and mechanical disciplines as Piping cleaning (Steam blowing, Air blowing, degreasing and water flushing), pressure test, hydro test, Drying Out, and Air/Nitrogen leak test, Nitrogen purging/Inerting, punch list, commissioning check lists, system reinstatement and mechanical/equipment Operational Test for Process Area, Utilities and Common Areas.
- Preparing and executing of commissioning task activities related to rotating equipment and its related issues such as motor soft foot, solo run, alignment and leveling using Laser and Dial indicator and complete load run.
- Preparing marked-up P&ID for Nitrogen Leak Test Packages and air blowing loops for all System/Subsystem.
- Creating and carrying out test procedures for Nitrogen Leak Test Packages and air blowing.
- Start-up and operational testing of Demineralized Water System, Instrument & Service Air System, boiler feed water system, drinking water system, steam and condensate systems, utility water system and utility nitrogen system.
- Carry out review of all PIDs, vendor drawings documentation.
- Check P&ID's, Mechanical Data Sheets, piping Drawings (isometric) and Documents with respect to Mechanical performance and specifications.
- Perform & guide various activities related to static equipment likes proper installation of internal inside the vessels as per drawing & specifications.
- The mechanical equipment assets include a wide array of process plant equipment including: pressure vessels; piping, piping connections, piping support systems, piping insulation; spring hangers; hoses, materials handling equipment; refractory systems; manual valves and specialty piping items; and a wide variety of stationary equipment.
- Inspect the equipment (motors, pumps, pressure tanks/vessels, piping connection instruments and other auxiliaries) for correct alignment, bolt tightness, foundation and proper installation as per drawings.
- Ability to perform & guide various activities related to rotating equipment likes lube oil flushing, alignment, lubrication, vibration checks, solo run, load run and start-up etc.
- Knowledge on Catalyst loading.
- Prepare / Execute Mechanical Running Tests and Commissioning Operational Test Procedures (OTPs) for all equipment.

Dates : From May 2017 till Nov. 2017

Employer : The Egyptian Methanex Methanol Company SAE

Project : Emethanex Damietta 1 Project
(Preparation for Turnaround and execution for plant change requests (PCRs) during the complete shutdown)

- Job title** : Senior Mechanical & Piping Engineer
- Job Description** :
- Plant Turnaround Project planning, preparation and execution.
 - Checking mechanical documents and piping drawings (P&ID and isometric).
 - Check and request material by using MAXIMO software.
 - Supervise and Lead a team from I.E.M.S.A company (contractor) for the PCRs execution.
 - Supervise the preparation and equipment for lifting works.
 - Coordinate with safety and scaffolding teams for works at heights.
 - Coordinate with issue, performing and area authorities the work permit and reviewing JHA.
 - Follow up the flange management activities.
 - Supervise the workshop pipe spool fabrication and field erection.
 - Coordinate with QC team for welding, PWHT and NDT works.
- Dates** : From Aug. 2016 till Apr. 2017
- Employer** : Egyptian Maintenance Co. (EMC)
- Project** : El-Burullus Gas Company (Rashpetco) in West Delta Deep Marine Concession (TAURUS LIBRA ONSHORE MODIFICATION EPC PROJECT) (during partial and complete shutdown)
- Job title** : Senior Mechanical & Piping Engineer
- Job Description** :
- Perform pre-com./commissioning activities according to EMC commissioning tracking system.
 - Preparing marked-up P&ID for Nitrogen Leak Test Packages.
 - Creating and carrying out test procedures for Nitrogen Leak Test Packages.
 - Perform Nitrogen Leak Test Packages for all System/Subsystem.
 - Supervision and preparation of pre-commissioning/commissioning task activities on pressure test, leak test, hydro test, flushing, punch list, commissioning checklists.
 - Report progress on commissioning activities during the construction phase of the Project.
 - Provide documents on commissioning activities that were completed.
 - Participate in joint walk downs of systems / sub-system handover for pre-commissioning and commissioning teams.
 - Assist with compilation of MC Pre-commissioning Dossiers by Subsystem.
 - Ensure all approved modifications to Works are recorded on red-lined as-built drawings, and are verified as correct.
 - Complete the handover documentation packs, which consists of the following:
 - (MC) - Mechanical Completion.
 - (S-RFC) - System Ready for Commissioning.
 - (SH1) - System Handover.
 - (SH2) - System Performance.
 - Punch lists.
 - Colored P&ID.
 - Mechanical Installation and Pre-Commissioning Certificates.
 - Mechanical Commissioning Certificates.
 - Piping Installation and Pre-commissioning Certificates.
 - Piping Commissioning Certificates.

- Technical Quires and all closed Management of Change (MOC) documents.
- System commissioning procedures.
- System Start-up Procedures.

Dates : From May 2015 till Jun. 2016
Employer : Al-Rajhi Construction (ARC) Company
Project : Project of Developing the 2nd Industrial City (MODON) at Jeddah, KSA
Job title : Mechanical & Infrastructure Project Engineer
Job Description :

- Potable water, industrial water and sewer water networks installation.
- (110mm, 160mm, 200mm HDPE pipes and from 200mm to 1000mm GRP pipes).
- Following the related works like excavation, pipe laying, backfilling and sub-base.
- Sewer water manholes installation and pipe connection.
- Air Release Valves, Washout valve, Isolating Valve and gate valves installation.
- House connections and fire hydrant installation.

Dates : From Jul. 2012 till Apr. 2015
Employer : Al-Rajhi Construction (ARC) Company
Project : Immigrant's Housing Project in Jazzan, KSA - Khabth Al Kharesh Site
Job title : Senior Mechanical Engineer
Job Description :

- Plumping installation for 338 villas (KH2 PHASE 2) of the project, 3 schools, 2 mosques (750 prayers) and 1 mosque (1500 prayers).
- HVAC installation for 3 schools and 3 multipurpose halls including wall mounted split units (1.5, 2 and 2.5 tons), cassette units, concealed unites and package unites with its ducts.
- HVAC installation for 3 mosques including free stand unites (5 tons) and wall mounted split units.
- Installation of firefighting pumps (jockey, electrical and diesel pumps), water pipe line and hose cabinet for schools.
- Supervision for Sewerage Treatment Plant (STP) installation by AES Company.
- Installation of Water pump station which have 5 pumps (KSB) one pump capacity is 40 l/sec and Head 70 m.
- Maintenance at the warranty period for the complete project.
- Following up the government authorities (water directorate, housing ministry, education ministry, Awkaf, electricity company) to close all the comments related to the final handing over for every side.

Dates : From Nov. 2008 till Apr. 2012
Employer : Kahromika Company
Project : El-Kureimat III Power Station
Job title : Piping Engineer
Job Description :

- Read and interpret piping drawings.
- Review contract documents and identify requirements and scope of work for project execution. Review specifications, drawings and other documents as per project work.

- Monitor the preparation of all necessary documents up to the final IFC (Issued for Construction) stage, e.g. plot plans, piping plans, isometrics, locations plans, pipe support standards, material specifications and other relevant drawings and specifications.
- Prepare BOM for piping system & individual spools.
- Generate spools isometric drawings.
- Optimal and efficient utilization of resources namely manpower, consumables, materials and equipment.
- Good experience with pipe fabrication, pressure testing, repair and installation of pipe spools in accordance with international standard.
- Administer the preparation of the final "As Built".
- Develop and maintain valve list, spring support list, piping special items listing, etc.
- Perform follow-up of piping and mechanical punch lists and be proactive in the punch list clearance process.
- Ensure proper preservation of piping and mechanical equipment.
- Attend weekly meetings with our clients to report progress of the project.
- Participate in joint walk downs of systems / sub-system handover for pre-commissioning and commissioning teams.
- Ensure that the Safety, Quality & Environment requirements of the yard are strictly followed.
- Familiar with Piping Classes.

Dates : From Nov. 2006 till Nov. 2008
Employer : Kahromika Company
Project : El-Kureimat II Power Station
Job title : Piping Engineer
Job Description :

- Create detailed drawings for fabrication.
- Prepare isometric sketches for piping pre-fabrication purposes.
- Prepare materials bill of quantity for piping/accessories, valves, gaskets, etc.
- Review of piping drawings, including but not limited to Isometrics Typical detail drawings, Plot plan, General arrangement, piping layout.
- Establish piping & support fabrication and priority.
- Ensure shop has received and used the correct engineering deliverables.
- Ensure all information and material is available and received at shop.

Dates : From Apr. 2006 till Oct. 2006
Employer : INITEC Energia
Project : Nubarria Power Station
Job title : Mechanical Start-up & Commissioning Engineer
Job Description :

- HP/LP feed water system (AE).
- Closed cooling system (WB).
- Condensate system (AD).
- Circulate water system (WL).
- Waste water and chemical waste system (XW & XH).
- Instruments and service air compressor system (comp air).

- Employer** : KAHROMIKA Co.
- Project** : West Tripoli Power Station in Libya
- Job title** : Construction & Piping Engineer
- Job Description** :
- Repair of fuel tanks (complete replace of bottom plates and partially for shell plates).
 - Repair of fuel pipes and its connection to fuel tanks.
 - Installing new heating pipes.
- Field of experience** :
- Experiences in mechanical engineering activities includes piping, static and rotating equipment scope in addition to MEP and infrastructure.
 - Achieved (in timely manner) a big task of complete N2 leak test for all process system at RASHPETCO project and air blowing for all systems and service test for all utility systems of seven gas trains (AGR) and three Sulphur removal units (SRU) at ZOHR project.
 - Ensure that our teams understand and implement the HSE plan, including permit to work, toolbox talks, visible and relevant safety signs, safety surveillance, audible emergency warning signal, muster areas, and emergency evacuation drills.
 - Agree method statements, risk assessments and job safety analysis. Ensure that all work carried out in accordance with agreed method statements.
 - Monitor subcontractors work plan, work performance, and report it.
 - Good familiarization with international codes and standards.
 - Assist other disciplines to achieve their goals.
 - Support Management where required.