

Lead Mechanical Static/Rotating Equipment Construction Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 14 years hands-on experience working in construction of static & Rotary Equipment & piping at Oil & Gas Aramco projects, Industrial Gas projects, Power Generation plants, water treatment plants, SWRO Desalination plants at Middle East and Gulf region.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/05/1985
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2007

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Project Management PMP preparation course PMBOK 5th edition at Portolearn Academy.
- : Diploma in Turbo Machinery from EGY CET Center with Engineering Syndicate with contents: Advanced pumps, Gas compressor, Steam Turbines, Gas Turbines, Seals and couplings, Bearings, Shaft Alignment, Heat exchangers, Pipes and valves.
- : Course in Advanced pumps construction and maintenance from Science and Technology Engineering Center (STE).
- : Course in Gas Turbines Maintenance and troubleshooting from OGS.
- : Practical course for how to use surveying equipment (Total station, optical level) in construction field.
- : Trainings at:
 - Middle Delta Electricity Production Company (Talkha Power Station).

- Mansoura Railway workshop for automotive maintenance.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2021 till now
- Employer** : Air Products Company, Al Jubail - KSA
- Project** : JUBAIL IG HUB PROJECT
- Job title** : Lead Mechanical Static/Rotating Equipment Construction Engineer
- Job Description** :
- Manage and supervise Mechanical construction (Static/Rotary Equipment) Scope of work for ASU, SMR and common utilities plants at Jubail IG Hub project.
 - Responsible for managing and supervise installation equipment vendor packages of Air compressors, gases compressors, fin fan coolers, heat Exchangers, Reactors, Knockout drums, Induced /Forced Fans, Cooling tower and pumps.
 - Responsible for leading and follow up Contractor resources manpower and equipment to achieve Project milestones and schedule targets with high Safety and Quality AP and Aramco Standers.
 - Monitor construction productivity and schedule performance and investigate areas of less satisfactory performance. Provide recommendations and institute measures for improvement by modification to operating procedures/work instructions.
 - Prepare and review document system (JSA, Method of statement, Risk Assessments, Critical lifting plans, road closures...etc.).
 - Responsible for rotating Equipment shaft alignment, pumps, compressors, fin fans and final box up & handover to Client Moreover Close all punch list release ECC & TOAC Mechanical items.
 - Interface with Aramco for project ISBL to OSBL tie in points.
 - Work permit issuance for mechanical works areas and following up.
 - Adhere to Company Safety Standards and promote safety culture among the ranks throughout the Company.
- Dates** : From Apr. 2020 till Dec. 2021
- Employer** : SEPCOIII, Al Jubail - KSA
- Project** : AL-JUBAIL SWRO DESALINATION PLANT PHASE 2 PROJECT
- Job title** : Lead Mechanical Construction Engineer
- Job Description** :
- Manage and supervise Mechanical construction (steel structure, AG & UG piping and Static/Rotary Equipment) Scope of work for Al Jubail phase-2 RO plant designed production capacity 400,000 CM per day.
 - Responsible for leading and follow up sub-contractor's resources manpower and equipment at site to achieve Project milestones and schedule targets with highest Safety and Quality Standers.
 - Manage daily interfaces with Civil, Electrical also follow up and review vendor packages.
 - Manage the construction effort and be the construction representative of company with Client. To plan, develop and organize the construction effort to formulate the most cost-effective plan to timely completion within budget and to implement the execution of that plan.
 - Monitor construction productivity and schedule performance and investigate reasons for less than satisfactory performance. Provide

- recommendations and institute measures for improvement by modification to operating procedures/work instructions.
- Responsible for daily Coordination meeting with client and consultant for project mechanical scope of work to discuss daily, weekly, monthly progress reports also area of concern and project constraints discussion and resolve.
- Adhere to Company Safety Standards and promote safety culture among the ranks throughout the Company.

Dates : From Dec. 2018 till Apr. 2020

Employer : SNC LAVALIN

Project : Aramco Ras Tanura Refinery - Expand asphalt production facilities 689, KSA

Job title : Lead Mechanical Construction Engineer

Job Description :

- Responsible for managing and supervise Mechanical construction scope of work (AG & UG piping and static, Rotary Equipment installation and preservation as EPC contractor Aramco projects up to pre-commissioning and commercial operation.
- Responsible for managing and supervise installation equipment vendor packages of Air compressors, Incinerator package/refractory, fin fan coolers, heat Exchangers, Reactors, Knockout drums and pumps.
- Responsible for leading and follow up resources manpower and equipment to achieve Project milestones and schedule targets with high Aramco Safety and Quality Standers.
- Monitor construction productivity and schedule performance and investigate reasons for less than satisfactory performance. Provide recommendations and institute measures for improvement by modification to operating procedures/work instructions.
- Prepare and review Aramco system document (Gate passes, JSA, Method of statement, Risk Assessments, Critical lifting plans, road closures...etc.).
- Responsible for shaft Final alignment Rotary equipment pumps, compressors, fin fans and final box up &handover to Aramco Moreover Close all punch list release ECC & TOAC Mechanical items.
- Adhere to Company Safety Standards and promote safety culture among the ranks throughout the Company.

Dates : From Mar. 2018 till Dec. 2018

Employer : SNC LAVALIN

Project : Aramco Ras Tanura Refinery - New plant Hydrocrackers / gas scrubber 686, KSA

Job title : Lead Mechanical Construction Engineer

Job Description :

- Responsible for managing and supervise Mechanical construction scope of work (AG & UG piping and static, Rotary Equipment installation and preservation as EPC contractor Aramco projects up to pre-commissioning and commercial operation.
- Responsible for manage and supervise installation equipment vendor packages of Air compressors, fin fan coolers, heat Exchangers, Reactors, Knockout drums and pumps.
- Responsible for leading and follow up resources manpower and equipment to achieve Project milestones and schedule targets with high

Aramco Safety and Quality Standers.

- Monitor construction productivity and schedule performance and investigate reasons for less than satisfactory performance. Provide recommendations and institute measures for improvement by modification to operating procedures/work instructions.
- Prepare and review Aramco system document (Gate passes, JSA, Method of statement, Risk Assessments, Critical lifting plans, road closures...etc.).
- Responsible for shaft Final alignment Rotary equipment pumps, compressors, fin fans and final box up & handover to Aramco Moreover Close all punch list release ECC & TOAC Mechanical items.
- Adhere to Company Safety Standards and promote safety culture among the ranks throughout the Company.

Dates : From Aug. 2015 till Mar. 2018
Employer : El Sewedy Co. (PSP) with SIEMENS
Project : BENI SUEF POWER PLANT 4800MW COMBINED CYCLE
Job title : Lead Mechanical Construction Engineer
Job Description :

- Project simple cycle phase:
 - Responsible for managing and supervise installation two units Gas Turbines associated with H2 cooled Generators with Auxiliary Equipment siemens Model CTG-8000H 400MW each from foundation preparation to pre-commissioning.
 - Two gas turbines units Air intake Modules preassembly and installation to final position, pre-commissioning and filter element installation.
 - Responsible for managing and supervise piping erection and field joints for Interconnection piping & pipe supports (lube oil piping, cooling water lines, instrument air, ...).
 - Monitor construction productivity and schedule performance and investigate reasons for less than satisfactory performance. Provide recommendations and institute measures for improvement by modification to operating procedures/work instructions.
- Project combined cycle phase:
 - Responsible for managing and supervise installation two units Steam Turbines Siemens Model SST5-5000 KN 400MW with Auxiliary Equipment, associated with SGEN-2000 Hydrogen Generators.
 - Responsible for managing and supervise piping erection and field joints for Interconnection piping & pipe supports (Main steam, cold reheat, Hot reheat, lube oil piping, cooling water lines, instrument air, ...).
 - Monitor construction productivity and schedule performance and investigate reasons for less than satisfactory performance. Provide recommendations and institute measures for improvement by modification to operating procedures/work instructions.

Dates : From Apr. 2015 till Aug. 2015
Employer : El Sewedy Co. (PSP) with ANSALDO Energia
Project : MAHMOUDIA POWER PLANT 2x165MW SIMPLE CYCLE
Job title : Lead Mechanical Construction Engineer

Job Description :

- Responsible for managing and supervise installation two units Gas Turbines Model Ansaldo AE94.2 associated with H2 cooled Generators with Auxiliary Equipment from foundation preparation to pre-commissioning.
- Two gas turbines units Air intake Modules preassembly and installation to final position, pre-commissioning and filter element installation.
- Responsible for managing and supervise piping erection and field joints for Interconnection piping & pipe supports (lube oil piping, cooling water lines, instrument air, ...).
- Monitor construction productivity and schedule performance and investigate reasons for less than satisfactory performance. Provide recommendations and institute measures for improvement by modification to operating procedures/work instructions.

Dates : From Jan. 2014 till Apr. 2015

Employer : El Sewedy Co. (PSP) with General Electric (GE)

Project : IRAQ (Ministry of Electricity (MOE)) Al-Dewaniya Project 4x125MW GAS Turbines Power Plant

Job title : Lead Mechanical Construction Engineer

Job Description :

- Responsible for managing and supervise installation 4 units Gas Turbines Model GE 9E frame associated with air cooled Generators 125MW and Auxiliary Equipment from foundation preparation to pre-commissioning.
- Responsible for execution all BOP equipment and Gas station plant, fuel unloading plant.
- Self-Execution project with all responsibility to lead all resources manpower and equipment to achieve Project milestones and schedule targets with in high Safety and Quality Standers.
- Coordination and reporting with GE and ministry of electricity of Iraq for all technical and progress issues in daily basis and weekly meetings.
- Define clear roles & responsibilities and deliverable requirements in terms of both scope and schedule to all the team members.
- Responsible for analysis erection manual of Turbines and Clarify site check points and allowance of clearances for working groups and alignment procedures and check list in site achievement.
- Monitor construction productivity and schedule performance and investigate reasons for less than satisfactory performance. Provide recommendations and institute measures for improvement by modification to operating procedures/work instructions.

Dates : From Sep. 2012 till Jan. 2014

Employer : El Sewedy Co. (PSP) with Veolia main contractor

Project : El Ain El Sokhna Supercritical Thermal Power Plant 2x650MW Gas/Oil fired Units

Job title : Senior Mechanical Construction Engineer

Job Description :

- Responsible for managing and supervise installation Water treatment plant, Desalination and sewage plant for thermal power station.
- Supervise installation Pumps, compressors, Rotary Equipment, Stationary Equipment and Tanks in desalination Plant & Deminalirzation Plant & condensate polishing Plant and Sewage plant.
- Coordination with Veolia main contractor and PGESCO consultant in all

technical and progress issues in daily basis and weekly meetings.

- Monitor construction productivity and schedule performance and investigate reasons for less than satisfactory performance. Provide recommendations and institute measures for improvement by modification to operating procedures/work instructions.

Dates : From Sep. 2010 till Sep. 2012
Employer : Misr Company for Mechanical & Electrical Projects (Kahromika), Mitsubishi Heavy Industries (MHI) main contractor
Project : Abu Qir Thermal Power Plant 2x650MW gas /oil fired unit
Job title : Mechanical Construction Engineer
Job Description :

- Responsible for managing and supervise installation Steam turbine 650MW Mitsubishi frame associated with H2 cooled Generator and Auxiliary equipment from foundation preparation to pre-commissioning.
- Self-Execution project with all responsibility to lead all resources manpower and equipment to achieve Project milestones and schedule targets with in high Safety and Quality Standers.
- Monitor construction productivity and schedule performance and investigate reasons for less than satisfactory performance. Provide recommendations and institute measures for improvement by modification to operating procedures/work instructions.
- Coordination with Mitsubishi heavy industry main contractor and PGESCO consultant in all technical and progress issues in daily basis and weekly meetings.

Dates : From Oct. 2007 till Sep. 2010
Employer : Misr Company for Mechanical & Electrical Projects (Kahromika), Initec Energia Spain main contractor
Project : Nubaria Power Station III Combined Cycle 750MW
Job title : Mechanical Construction Engineer
Job Description :

- Responsible for managing and supervise installation Steam turbine 250MW Model ALSTOM frame associated with H2 cooled Generator and Auxiliary equipment from foundation preparation to pre-commissioning.
- Responsible for managing and supervise piping erection and field joints for critical and non-critical piping & pipe supports (Main steam, cold reheat, Hot reheat, lube oil piping, cooling water lines, instrument air, ...).
- Coordination with Alstom team main contractor and PGESCO consultant in all technical and progress issues in daily basis and weekly meetings.
- Monitor construction productivity and schedule performance and investigate reasons for less than satisfactory performance. Provide recommendations and institute measures for improvement by modification to operating procedures/work instruction.