

101898-MEC-4GMOQSY-E-2004
Mechanical Assistant General Manager

Holds a B. Sc. in Mechanical Power Engineering and has over 19 years experience working in maintenance, operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/08/1981
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

- : B. Sc. in Mechanical Power Engineering, Ain Shams University, 2004
- : Mini MBA from American Chamber with Egyptian Ministry of Petroleum in Leadership Foundation Program

LANGUAGES

Arabic : Native Language
English : Excellent
French : Basics

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : SAP
- : AutoCAD 2D

TRAINING COURSES AND CERTIFICATIONS

- : CMRP (CERTIFIED MAINTENANCE AND RELIABILITY PROFESSIONAL), issued by SMRP (American Society of Maintenance and Reliability Professionals).
- : CAMA (Certified Asset Management Assessor), issued by WPiAM (World Partners in Asset Management).
- : Certified Vibration Analyst Level II (issued by American Vibration Institute).
- : Certified Level II in Magnetic Particles Testing according to ASNT Recommended practices (MT).
- : SQA CERTIFIED ASSESSOR (issued by SCOTCH QUALIFICATION AUTHORITY).
- : CERTIFIED FLANGE MANAGEMENT TEAM LEADER AND COACH issued by OGS AND SHELL GLOBAL.

- : Competency Program Mechanical Team Lead in Bapetco Shell JV: Responsible for assessments for mechanical team including in-house training and on job training across BAPETCO.
- : Preparation for Certified Reliability Engineer (CRE), in progress.
- : Certified Lean Specialist (CLS), in progress.
- : Alignment & Balancing Training, RITEK Training Center.
- : Vibration Analysis for Rotating Machinery, RITEK Training Center.
- : Centrifugal Gas Compressor Operation and Maintenance.
- : Pumps Selection & Design, OGS.
- : Machinery Vibration, Predictive Maintenance & Condition Monitoring, OGS.
- : Bearing Identification, Maintenance and Services, OGS.
- : RCM (Reliability Centered Maintenance) Training, OGS.
- : Gas Compressors: Selection, Operation and Maintenance, EGPC Leadership Program.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2016 till now
- Employer** : BADR EL-DIN Petroleum Company (BAPETCO)
- Job title** : MECHANICAL ASSISTANT GENERAL MANAGER
- Job Description** :
- Overhaul and enhance preventive and corrective maintenance programs, orchestrating train and total shutdowns to ensure seamless operations.
 - Strategically manage the procurement of workshop tools and equipment spare parts, implementing stringent quality control measures.
 - Execute condition monitoring, troubleshoot complex rotating equipment, and conduct failure analysis, driving equipment optimization.
 - Provide invaluable engineering support to Operations, enabling in-depth analysis and data-driven recommendations for troubleshooting rotating equipment issues.
 - Perform comprehensive performance tests on diverse rotating equipment categories, including centrifugal pumps and gas compressors, bolstering equipment efficacy.
 - Swiftly process "Permit To Work" applications for technician-led tasks, adeptly managing notifications through the "SAP" system.
 - Spearhead a culture of safety and environmental compliance, meticulously conducting job hazard assessments and enhancing team-wide HSE performance.
 - Act as the first line of response during emergencies, effectively coordinating and assisting local emergency services as directed by incident controllers.
 - Elevate the execution of maintenance activities, meticulously ensuring adherence to world-class standards for preventive maintenance, inspections, and corrective measures.
 - Spearhead the continuous review and enhancement of operational strategies and procedures, aligning them with the latest technical advancements and maintenance requisites.
 - Facilitate seamless collaboration across engineering disciplines, meticulously overseeing plant equipment overhaul and repair with

unwavering commitment to quality.

- Exemplify astute inventory management, maintaining the master tool store and providing field technicians with access to essential tools.
- Identify, requisition, and manage spare parts and consumables critical for seamless equipment operations, ensuring optimal uptime.
- Skillfully supervise the planning, scheduling, and execution of maintenance activities related to workshop equipment and overhead hoists.
- Display a profound understanding of Reliability Engineering Principles, orchestrating critical analyses including FMEA, FTA, and ETA.
- Exemplify expertise in interpreting mechanical drawings and P&IDs, driving rigorous management of change reviews for the sake of equipment safety and efficacy.
- Showcase extensive knowledge of industry standards and codes pertinent to rotating equipment engineering, including API 610, API 614, API 617, API 618, API 682, API 686, and API 670.
- Actively participate in "Root Cause Analysis" investigations, successfully implementing remedial actions to prevent recurrence.
- Uphold a flexible and optimistic attitude, especially when navigating challenging work environments, and uphold a steadfast commitment to safety and security.
- Key Achievements:
 - Successfully executed critical performance tests on a wide array of rotating equipment, resulting in enhanced operational efficiency and reduced downtime.
 - Played a pivotal role in meticulously modifying and implementing preventive and corrective maintenance programs, culminating in a significant decrease in equipment failures.
 - Spearheaded the successful coordination and execution of numerous train and total shutdowns, optimizing equipment performance and extending their operational lifespan.
 - Led the implementation of safety procedures, significantly reducing workplace incidents and contributing to a safer working environment.
 - Actively contributed to the success of several emergency response situations, showcasing unwavering commitment to safety protocols and protecting personnel and plant assets.
 - Played a key role in improving inventory management processes, leading to a streamlined approach to spare parts and consumables procurement, thereby reducing operational delays.
 - Mentored and trained a cross-functional team of engineers, fostering a culture of continuous learning and skills enhancement within the organization.
 - Collaborated with cross-disciplinary teams to enhance plant equipment overhaul and repair procedures, resulting in optimized equipment performance and reliability.

Dates : From Jan. 2005 till Jan. 2016
Employer : OSOCO (Off Shore Shukier Oil Company)
Project : Ras Shukier – Red Sea
Job title : SECTION HEAD & MECHANICAL DEPARTMENT HEAD

- Job Description :**
- Led the Maintenance Department as Section Head, overseeing various operational aspects including predictive maintenance, condition monitoring, and failure analysis.
 - Successfully managed the operation and maintenance of five artificial lifting units for water injection, employing NATIONAL OIL WELL pumps such as models 300Q-5H Quituplex, 300Q-5M Quituplex, 200T-5M Triplex, and 130T-4M Triplex. These units were powered by CATERPILLAR diesel engines and integrated with vertical and horizontal vessels. The system supported the entire GIUBERSON DRESSER jet pump system.
 - Ensured the seamless operation and maintenance of the gas oil separation plant, involving horizontal and vertical vessels for multi-stage separation. Overseeing interstage pumps and employing a sophisticated mixed automatic control system, which combined electrical and pneumatic components. Utilized flow meters, pressure recorders, and controllers from renowned brands such as VERSA, AMOT, FISHER, PARTON, and HALLIBURTON.
 - Spearheaded a comprehensive maintenance program for 10 diesel generators and 5 industrial engines, notably CATERPILLAR models 3406, 3306, and 3304. This encompassed predictive maintenance, condition monitoring, failure analysis, vibration analysis, and preventive maintenance to ensure optimal performance.
 - Key Achievements:
 - Orchestrated the successful overhaul of artificial lifting units, extending their operational life and improving their efficiency, which directly contributed to enhanced well productivity.
 - Championed the optimization of the gas oil separation plant's performance through meticulous maintenance, ensuring uninterrupted processing and adherence to quality standards.
 - Elevated the reliability and performance of diesel generators and industrial engines through a well-structured maintenance regimen, reducing downtime and enhancing overall facility productivity.

- Further experiences :**
- Worked as MECHANICAL COMMISSIONING ENGINEER (Freelancer) in following projects:
 - ROSSETA SHARING FACILITIES (RASHPETCO/SHELL JOINT VENTURE) (main contractor ENPPI/sub. contractor PETROJET, EMC PMC contractor):
 - ❖ Led pre-commissioning, commissioning, and start-up efforts for all rotating equipment in the project.
 - ❖ Successfully managed the initiation of 2 main condensate shipping pumps (Flowserve), 2 booster pumps, 2 recycle pumps, and 2 offloading pumps.
 - ❖ Also, coordinated the integration of 2 tanks and an extensive piping network connecting with the existing ROSSETA facilities.
 - PHASE-2 BOOSTING COMPRESSOR STATION (WASTANY/DANA GAS J.V) (EMC EPC PROJECT):
 - ❖ Directed pre-commissioning, commissioning, and start-up for both rotating and static equipment in the project.
 - ❖ Orchestrated the launch of a turnkey station involving a 3-phase separator, condensate surge vessel skid with 2 SEKO pumps, knock out drum vessel with 2 FLOW SERVE pumps,

- fuel gas skid, and an ARIEL compressor skid driven by a WAUKSHA gas engine.
 - ❖ Also, managed firefighting systems and a booster pump.
 - ASORC NAPHTHA COMPLEX PROJECT (ASSIUT REFINERY OIL COMPANY WITH EGPC) (main contractor ENPPI/sub. contractor PETROJET):
 - ❖ Led pre-commissioning, commissioning, and start-up efforts for rotating equipment in the project.
 - ❖ Successfully facilitated the commissioning of a 3-train NAPHTHA treatment facility involving continuous catalyst regeneration (CCR) and utility projects for steam, industrial water, and instrument air.
 - PWRI (PRODUCED WATER RE-INJECTION) (BAPETCO /SHELL J.V) (main contractor ENPPI/sub. contractor PETROJET):
 - ❖ Currently managing pre-commissioning, commissioning, and start-up activities for all rotating/static equipment in the project.
 - ❖ Overseeing the commissioning of a project aimed at solving the challenge of safe industrial water disposal into injection in old depleted wells. This includes gas turbines, 20 centrifugal and reciprocating pumps, multi-storage tanks, centrifugal pumps, instrument air compressors, and handling separators.
- Mechanical Competency Program Team Leader and Freelancer Mechanical Trainer:
 - Developed and conducted comprehensive training sessions, both in-house and on-the-job, aimed at enhancing the mechanical team's technical proficiency and safety awareness.
 - Defined and communicated new tasks and responsibilities based on evolving industry standards and emerging technical requirements.
 - Focused on promoting safety behaviors and practices, ensuring that team members consistently adhered to critical safety rules, emergency response protocols, and health, safety, and environment (HSE) guidelines.
 - Delivered specialized training on corrective and preventive maintenance techniques for both static and rotating equipment, imparting practical knowledge to enable effective maintenance routines.
 - Championed the implementation of reliability engineering principles, including Failure Modes and Effects Analysis (FMEA) and Fault Tree Analysis (FTA), to optimize equipment reliability and performance.
 - Key Achievements:
 - ❖ Significantly improved the technical proficiency of the mechanical team through targeted training programs, resulting in enhanced equipment maintenance practices and performance.
 - ❖ Led assessments that effectively measured individual progress and competence, ensuring that team members were well-equipped to tackle their roles safely and efficiently.
 - ❖ Nurtured a culture of safety consciousness and awareness, leading to a reduction in incidents and accidents among mechanical teams.
 - ❖ Enabled seamless transitions to new tasks and responsibilities through clear communication and tailored training programs,

ensuring team members were fully equipped to handle evolving challenges.

- ❖ Enhanced the team's ability to carry out effective corrective and preventive maintenance, ultimately contributing to increased equipment reliability and reduced downtime.
- ❖ Empowered teams to apply reliability engineering principles, resulting in improved equipment performance and enhanced operational efficiency.

- Field of experience :**
- Over 19 years of experience in maintenance and reliability engineering within the oil and gas industry. With a proven track record of optimizing rotating equipment performance and minimizing downtime, I excel in developing and implementing strategic maintenance programs. My expertise includes comprehensive knowledge of API standards, precision in vibration analysis, and a strong commitment to safety and environmental compliance. As a certified CMRP and CAMA professional, I bring a wealth of technical skills, including expertise in centrifugal and reciprocating compressors, pumps and control systems.
 - Key Expertise & Achievements:
 - Proficient in maintenance, operation, commissioning, and start-up of various equipment including centrifugal and positive displacement pumps and compressors, water desalination R.O. Units, sewage treatment units, reciprocating engines (diesel & gas), safety relief and ball valves.
 - Expertly executed the major overhaul, pre-commissioning, commissioning, and start-up of diverse equipment including diesel turbocharged engines (Caterpillar brand), turbo expanders-compressors (G.E Rotoflow brand), various types of centrifugal compressors, gas reciprocating compressors (GE), and more.
 - Contributed to the reliability and performance enhancement of equipment such as steam turbines (ELIOTE/MANTURBO brands), Glycol reciprocating triplex pumps (Geveke-Lewa brand), chemical injection reciprocating pumps (Geveke-Lewa brand), and numerous other critical components.
 - Proficiently conducted maintenance, operation, and commissioning efforts on an array of equipment including centrifugal pumps, crude oil export reciprocating pumps, hot oil circulating centrifugal pumps, water well submersible multistage centrifugal pumps, and more.
 - Instrumental in overseeing the pre-commissioning, commissioning, and start-up of a variety of critical equipment, including pipe line centrifugal compressors (Delval Stork brand/Siemens brand), raw gas centrifugal compressors (Demag/Siemens brand), gas reciprocating compressors (GE), and gas double-acting reciprocating compressors (Thomassen brand).
 - Played a pivotal role in managing the start-up and operation of complex systems such as the gas and oil coolers (Korpershoek-Smithco Brands), Glycol systems (Allen tank brand), and the operation of safety relief valves and pressure vacuum valves (Tyco Crosby/PENTAIR brands).
 - Successfully executed the commissioning and start-up of steam turbines (ELIOTE/MANTURBO brands) and various types of pumps, including centrifugal pumps, multi-stage centrifugal pumps

(FLOWSERVE brand), crude oil transfer centrifugal pumps (Sulzer brand), lube oil & cooling water pumps (Alweiller, Imo, Ebara & Luebbe brands), and more.

- Skills:
 - Maintenance Engineering.
 - Rotating Equipment Maintenance.
 - Reliability Engineering.
 - Preventive Maintenance.
 - Corrective Maintenance.
 - Condition Monitoring.
 - Vibration Analysis.
 - Centrifugal Compressors.
 - Reciprocating Compressors.
 - Diesel & Gas Engines.
 - Pumps (Flowserve, Lewa).
 - Compressors (Siemens, Thomassen).
 - Control Systems (Electrical & Pneumatic).
 - SAP (Systems, Applications and Products).
 - API Standards (API 610, API 614, API 617, API 618, API 682, API 686, API 670).