

Holds a B. Sc. in Mechanical Power Engineering and has over 15 years experience working in maintenance, commissioning, construction and material controlling of different kind of contract projects, with demonstrated history of working in power generation and oil & gas sectors (combined cycle, GE gas turbines, outages and upgrade projects) for large multinational companies.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 03/12/1986
Gender : Male
Residence : Ismailia

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2008

LANGUAGES

Arabic : Native Language
English : Excellent
French : Good
German : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D & 3D
: Cadcam, wincam, wincts (for CNC Machine)
: LD & F.b (PLC programming Languages)
: Primavera P6

TRAINING COURSES AND CERTIFICATIONS

: Rotating equipment laser alignment.
: One-month offshore training for maintenance of GE frame 9E gas turbine at GE power & water factory and training centre at Belfort - France.
: One-month operation and maintenance training for (HRSGs and its facilities) at AC BOILER Company - Milano, Italy.
: Participating in manutan international maintenance exhibition at Verona - Italy.
: PMP: 42 approved hrs of training for project management professional under qualified PMI Instructor.

- : Developed Industrial Technology (certificated from ministry of military production) (from Sep. 2008 till Nov. 2008) includes: Mechatronics, PLC, CNC.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2023 till now
- Employer** : GFC Oil and Gas Services & ONS FRANKFURT GMBH Consortium
- Project** : YAMAL LNG Sabetta – Russia federation - trains 2 & 3 (4 x GE 7EA HGPI & 6 x CeCo minor inspection)
- Job Description** :
- Provide full technical advisory and support for 4 x GE Frame 7EA HDGT, auxiliaries and all Train activities.
 - Manage and prepare materials requirements and provide technical guide for the team for better progress achievement.
 - Participate in planning phase and outage preparation communication and management.
 - Discuss the progress daily and manage meetings with the client.
 - Perform all required Quality checks as per FP.
 - Maintain progress and coordinate to resolve obstracles.
 - Borescope inspection for both GT & CECO.
 - Oversee Commissioning activities as per FP.
 - Oversee DGS AND TERTIARY SEAL replacement activities and make sure of the right use of special tools and spare parts.
 - Succeed in handover the project with the team ahead of schedule with best quality and safety.
 - Engineering excellence appreciation officially from customer.

- Dates** : From Aug. 2021 till 2022
- Employer** : GFC Oil and Gas Services
- Job title** : Turbomachinery & Rotating Equipments Maintenance Manager
- Job Description** :
- Mechanical Field Services Engineer - Manager for HDGT & responsible for maintenance, commissioning, Execution, Technical advisory and project cost management executing over 15 outage and projects on different frame types (9E, 9FA MS5002 & their auxiliaries) in Middle East.
 - Oversee Site equipments including 8 HDGT, 2 STG, auxiliaries (Pumps, Compressors, D.E, Fans, Valves and H.Ex.
 - Plan, execute a complete preventive and predictive maintenance plan for the rotating and static equipments.
 - Plan budgets, balance resources, co-ordinate, schedule on primavera P6, guide and ensure execution of plant maintenance activities.
 - Prepare and negotiate with international suppliers the major inspection parts for diesel engines and other capital and strategic spare parts to cover annual plan.
 - Oversee end to end execution of the outages, spare parts and tools preparation and issuance.
 - Outages Management (resources, manpower, spare parts, ITP, QA plan and scope of work).
 - Analyze and solve operational and technical problems related to Gas Turbines & associated systems.

- Perform RCA reporting and apply failure mode effect analysis.
- Condition monitoring frequent reporting (alignment, vibration checks) to maintain equipments status updated.
- Manage warranty claim requests, suggest resolving technical problems & abnormalities and keep reporting with solutions to enhance plants operability.
- Performing CI, HGPI and major inspection for 8 x GE frame 9E and 2 frame 9FA gas turbines.
- Lead site different teams and distribute the activities among disciplines.
- Conduct daily meetings with clients and with different stakeholders through project phases.
- Leading the team and Provide full technical support, all technical Information& required drawings to perform the job as per procedure respecting Quality and safety standards.
- Monitoring and controlling the scope of work and use schedule maintenance techniques to insure project time frame is being achieved.
- Manage all mechanical construction activities up to mechanical completion.
- Perform commissioning for evap cooler and start-up.
- Perform HGPI for 4 units frame 9E.

Dates	:	From Feb. 2017 till May 2021
Employer	:	Baker Hughes - BHGE & GE Power supplied by GFC oil & gas
Project	:	Assigned to different roles at different sites
Job title	:	Freelance Lead Mechanical FSE – Gas turbines / auxiliaries
Job Description	:	<ul style="list-style-type: none"> • From Jan. 2021 till May 2021 - Khurais and Ain Dar - ARAMCO (KSA) - GT frame MS5002, auxiliaries & TURBO PUMP commissioning, performance test: <ul style="list-style-type: none"> - Commissioning, fact finding and startup performance test engineer. - Perform offline water wash and valve line up as per procedure before performance test. - Manage all commissioning activities as per commissioning book and commissioning procedures. - Troubleshoot any things arise. - Conduct daily meeting with Saipem project manager as a client and Aramco as owner. - Prepare daily progress report. - Discuss progress daily with the client and successfully coordinate and facilitate the required activities. - Flender GBX inspection and checks. - Accessory coupling alignment and installation. - Conduct performance test for both GT and turbo pump. • From Feb. 2020 till Jul. 2020 - Working remotely at Covid time with BHGE team in managing the following projects: <ul style="list-style-type: none"> - QATAR GAS fr 9E MI preparation and resources allocation. - QG frame MS5002 modular replacement: <ul style="list-style-type: none"> ❖ Prepare and review special tools list required, manage resources, communicate and coordinate remotely with stackholders, conduct interview for Algerian technicians allowed to travel to Qatar. ❖ Remotely follow up daily progress and prepare daily shift

progress report.

- Oman LNG starting means diesel engine replacement MS5002 (studying the FMI, modification and breakdown activities required and perform resource allocation plan.
- BANAGAS - Bahrain FR3 modular replacement and starting means upgrade turn key project:
 - ❖ Study, understand project FMI, PDMI and provide solutions.
 - ❖ Perform activity breakdown and resources allocation.
 - ❖ Participate in project pricing and tendering.
- From Oct. 2019 till Dec. 2019 - Performing MI FOR GE frame 9E with EDEPC: Prepare for MI tools, special tools and spare parts required for performing the outage Execution of MI activities for the HDGT as per filed procedure respecting safety and quality.
- From Jul. 2019 till Oct. 2019 - HGPI for 4 x GE FR 9E as site lead (turn key):
 - Inspection and apply CBMO fact finding as found reporting.
 - Manage site resources and Set up outage plan on primavera p6 achieving a record of 16 days for each turbine.
 - Facilitate and coordinate with customer for overlapping between turbines with unique results.

Dates : From Feb. 2019 till Apr. 2019
Employer : ARAMCO
Project : Train b unit 462b, GE frame 5 gas turbine (KSA)
Job title : Field Service Engineer (Aux & GT)
Job Description :

- Ahead of successfully commissioning, startup and troubleshooting a list of all startup problems of GT & Aux.
- Lube oil circuit commissioning.
- Troubleshoot and fix auxiliary systems problems such as “Lube oil low pressure problem, hydraulic oil low pressure, main lube oil pump overhauling, air intake system loss of material, and loss of flame trip”.
- Main lube oil pump overhauling.
- Provide RCA for a damaged quill shaft of the main lube oil pump.
- Redesign and machining new pump components and readjusting pump float.
- Handling successfully a high-level meeting between GE & the customer MSSD representative providing a solution to save oil production line and put it back in service in a safely and timely manner which was appreciated officially from customer.
- Appreciation mail received from ARAMCO MSSD.

Dates : From Jan. 2018 till Aug. 2018
Employer : GE Gas Power supplied by Kharafi National
Projects : West Damietta, Nubarria & El-Kureimat 9E, 9FA upgrade project (AGP) and major overhaul (9FA.03 DLN 2.6+XD5 DF, AGP, CDM, EFM, CTM, Opflex, MKVI to MKVIe project)
Job title : Material Control Manager
Job Description :

- This position required special experience for a material control manager with extensive GE background and familiarity with MLI, DWG, capital and consumable parts and scope of work and good understanding of

FMI as it was the challenge of the project.

- Build up strong material control system and material control map.
- Provide full technical support for the team to understand the scope and how to extract materials from DWG.
- Classify the materials shipments into partitions according to MLI and distribute accordingly to site different teams' job by job.
- Provide daily advisory of the work to site different teams (piping, I&C and mechanical) based on materials availability and capability to overlap based on Field modifications instruction and strong understanding for scope of work in which activities can be interchangeable to keep project schedule.
- Provide daily advisory to re adjust planned activities based on spare parts availability, and define the modified scope to each department (piping, I&C and mech crews).
- Support mechanical crew in performing the mechanical activities.
- Perform air blowing and commissioning activities.
- Succeed in keeping unique output which was appreciated from site manager.

Dates : From Jan. 2018 till Apr. 2018
Project : Assiut Power Station 9E planned outage and lifting oil modification (turn key)
Job title : Site Lead
Job Description :

- Plan, supervise, execution and budget control a project of 8 GE units frame 9E combustion inspection.
- Manage the manpower and site requirements.
- Lifting oil circuit modification commissioning and startup supervision.
- Spare parts and tools preparation for outage.
- Schedule the activities on primavera p6 project and control the plan to avoid schedule and budget impact Achieving 14 days as planned instead of 28 days without budget impact by applying critical path method fast tracking / overlapping.
- Excellent preparation for the outage before starting and managing the site man power and spare parts.

Dates : From Feb. 2017 till Apr. 2017
Employer : GE Oil & Gas
Project : Qatar gas train 7 gas turbine fr 9E major overhaul (QATAR)
Job title : Field Service Engineer (Outage QA/QC)
Job Description :

- Responsible for applying GE field procedure for every activity of the outage including disassembly and reassembly of capital parts, critical lifting, turbine and compressor opening and closing clearances checks and verification.
- Prepare major inspection spare parts and update requirements based on CBMO.
- Drive awareness of FMEA (failure mode effect analysis) to the team to avoid the possible failure.
- Supervise turbine compartment and auxiliary compartment inspection as per ITB.
- Supervise Gas compressor Dry gas seal replacement and overhauling.

- Provide advisory daily to apply field procedure instructions.
- Turbine opening and closing clearances verification checks.
- Define RFR and hold points with the team and customer.
- Attend daily meetings with customer and coordinate witness points.
- Prepare daily TBT to the team at every single stage to make the matters right first time.
- Develop daily quality assurance reports and quality improvement actions.
- Recommendation letter after the project received from GE OIL & GAS / Qatar.

Dates : From Jan. 2015 till May 2015
Employer : GE Power / KN
Project : Nubaria Power Station 9FA upgrade project
Job title : Freelance Mechanical Shift Engineer
Job Description :

- Perform modification applied to the different systems as per project FMI.
- Perform commissioning activities and startup for all modified systems.
- Support material controlling and build up material control system.
- Appreciation mail and rewards was received from both GE as a customer and KN management.

Dates : From May 2012 till Feb. 2019
Employer : EDEPC
Project : Al-Shabab Combined Cycle 4x4x1 (1500MW) (8 x GT GE frame 9E, 2 x ANSALDO Energia STG and 8 x HRSG made by Ansaldo Caldaie)
Job title : O&M Senior Turbomachinery & Rotating Equipments Maintenance Engineer
Job Description :

- Manage work daily orders and CMMS.
- Manage warranty claim requests, resolve technical issues and keep company rights during warranty period.
- Prepare preventive, predictive maintenance plan for all mechanical assets (static and rotating).
- Planning, executing HGPI activities for 8 GE frame 9E gas turbine units, achieving challengeable target of a recorded prepared plan for the outage by reaching 16 days each working by critical path method.
- Perform HGPI for 4 units at Damietta power station.
- 8 units HGPI fr 9E gas turbine at Al-Shabab power station.
- Responsible for handling forced outage repair of 2 gas turbine units.
- Perform auxiliary systems maintenance overhauling such as main atomizing air compressor ATLAS COPCO, Overhaul main lube oil heat exchanger GEAECO FLEX H.EX, atomizing air cooler, & main hydraulic pump adjustment AUXILIARY COUPLIG for Frame 9 / PG9171E.
- Supervise the work package (105) & (106) for ST & HRSG installation and commissioning including two modules 4 HRSG each.
- Supervise construction phase up to hydro test.
- Conduct steam blow and chemical cleaning activities.
- Liaise between contractors to close all back-charge issues.
- HRSG Ansaldo Caldaie (construction of all steel structure work, tube harbs and piping DWG and execution and diverter damper upgrade.
- Applying Pressure test for BOP, HRSG & steam turbine piping test

packages.

- Installation of Condensate pumps, vacuum pumps.
- Follow up all subcontractor work.
- Carry out lube oil flushing.
- Follow up closing all owner Punch list to hand over to the client.
- Develop scope definition and technical data for field issued contract change notice.
- Prepare daily reports.
- Develop punch list of incomplete work.
- Provide technical guidance to contractors as ITP.
- Participate in weekly safety walks and meetings.
- Follow up final walk down before issuance complete construction certificate.
- Conduct chemical cleaning activities.
- Perform steam blow activities up to acceptance criteria.

Dates : From Mar. 2013 till Jan. 2014
Project : Al-Shabab GE 9E gas turbine 1000MW installation and DLN.1 conversion from standard to dry low nox burners upgrade
Job title : Mechanical Construction & Commissioning Engineer
Job Description :

- Follow up all activities for Dry low Nox (DLN1) Retrofit GE gas turbine frame 9EA.
- Inventory of all DLN material for all units.
- Reinstall (Modify) different systems Purge air, atomizing air, cooling and sealing air, water injection, gas fuel system (piping and equipment).
- Carry out all commissioning Required up to start up.

Dates : From Jan. 2010 till May 2012
Employer : Kharafi National
Project : Al-Shabab GE 9E gas turbine 1000MW
Job title : Construction & Commissioning, then Warranty Engineer
Job Description :

- This project gained worldwide recognition because we installed these gas turbines and put them on the electrical grid in less than 7 months.
- Make System Walk Down with commissioning team.
- Record Punch items.
- Release NOCC after Punch items have category (A & B) was clear.
- Clear all Punch items before handed over to the end user Coordinate.
- Coordinate and facilitate all mechanical commissioning activities such as: GT Lube Oil System (including Lift Oil), GT Lube Oil Package, Hydraulic Oil Skid and Piping, Instrument Air.
- GT cold start, load ramps, peak load adjustment, verifying combustion parameters, IGV & OTC.
- Load rejection tests FSNL & house load (part-load & full load).
- GT Erection (including exhaust Manifold, Diffuser and Combustion system).
- GT Inlet Filter House-Evap Cooler-Pulse Comp.
- Responsible for closing all warranty claims after performance test and project hand over.

Dates : From Sep. 2008 till Dec. 2009
Employer : Daliel-Alsouk EST & Riyadh factory - KSA
Job title : Technical Sales & After Sales Support Engineer
Job Description :

- Advise clients with the company products which support their business performing well to act as a consultant not sales person.
- Succeed in closing several deals with new customers.
- Perform market survey enabled the company to penetrate other markets for both thermal insulation, block making machines and concrete batching plants.
- Suggest modifications on the concrete batching plants to match market requirements increasing the capacity by reducing overall cycle time.
- Involved with design team in performing the suggested modifications.
- Target achieved 5 Times.

Field of experience :

- Mechanical Field Engineer for HDGT and rotating equipments responsible for maintenance, commissioning, Execution, Technical advisory and project management executing over 20 outage and projects on different frame types (9E, 7EA, 9FA, MS5002 & their auxiliaries) in Middle East and RUSSIA federation.
- R.E Maintenance Section Head - Plan budgets, cost control, balance resources, co-ordinate, schedule, direct, guide and ensure execution of plant maintenance activities.
- Construction, commissioning and startup for 8x125MW GE gas turbine frame 9E.
- Participate in DLN.1, DLN+2, AGP upgrade projects.
- Participate in tenders/contracts then construction and commissioning phases of conversion from SC TO CC including 2 x STG, 8 x HRSG & ACC combined cycle conversion project.
- Perform CI, HGPI, MI for GE gas turbines frame 9E & 9FA.
- Developing outage plan on primavera p6 for each individual shutdown with unique output.
- Managing material, spare parts and other resources requirements to ensure all operations runs on-time, within budget to cover the plan and scope of work.
- Develop complete maintenance plan covering predictive, preventive and corrective maintenance for all assets (rotating, turbo machinery and static equipments).
- Skills:
 - GE turbine and auxiliaries maintenance.
 - Commissioning.
 - Sales and Marketing.
 - Planning.
 - Rotating equipments (GBX, pumps, etc.).