

Holds a B. Sc. in Mechanical Power Engineering and has over 10 years hands-on experience working in construction, technical office, maintenance and commissioning.

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 : 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

: 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 Feb. 2019 till May 2019
Employer : BAKER Hughes a GE company
Project : Train b unit 462b, GE frame 5 gas turbine, MI & upgrade start-up
Job title : Field Service Engineer
Job Description :

- Turnaround.
- A head of successfully troubleshooting a list of all start-up problems after MI (major inspection) and unit upgrade of a GE frame 5 (general electric) gas turbine located at abqaiq site SAUDI ARAMCO customer.
- Troubleshoot and fix auxiliary systems problems such as Lube oil low pressure problem, hydraulic oil low pressure, main lube oil pump overhauling, and air intake system loss of material.
- Handling Spare parts request and availability check with customer.
- Provide RCA for a damaged quill shaft of the main lube oil pump.
- Perform an as found report for BAKER HUGHES a GE company top management illustrating points required for professional RCA.
- Re-design a new pump based by re-adjusting pump float based on available spare parts which was not as per specification and after handling a high level meeting with MSSD customer 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.
- Perform a rotation check after pump float verification by disengage the accessory coupling.
- Accessory coupling alignment and re-installation.
- Troubleshoot and fix air intake system loss of material and provide advisory of type of electrode to be used for welding based on base material used in the pulse clean system.
- Load coupling clearances measuring and boxing up and Support uncouple test, couple up tests for overspeed trip test for both LB and HP rotor.

Dates : From Mar. 2018 till May 2018
Employer : Kharafi National
Project : Beni Suef Kureimat 9FA upgrade project (AGP)
Job Description :

- Material Control Manager at Kureimat upgrade project (9FA.03DLN2.6+XD5 DF, AGP, CDM, EFM, CTM, Opflex, MKVI to MKVIe project.
- Build up strong material control system & gas.
- Technical advisory for the team to define the scope of each department and how to extract materials from the drawing.

Dates : From Jan. 2018 till Mar. 2018
Employer : Kharafi National
Project : Assiut Power Station 9E planned outage
Job title : Site Lead

Job Description :

- 2 months Turnaround.
- Plan, supervise and budget control a project of 8 GE units frame 9E combustion inspection.
- Schedule the activities on Primavera P6 project and control the plan to avoid schedule and budget impact.
- Achieve 14 days as planned instead of 28 days without budget impact by applying critical path method fast tracking/overlapping.

Dates : From Feb. 2016 till Apr. 2016

Employer : GE oil & gas

Project : Qatar gas train 7 major overall

Job title : QA/QC Engineer

Job Description :

- Drive awareness of FMEA (failure mode effect analysis) to the team to avoid the possible failure.
- Provide advisory to apply field procedure instructions.
- Prepare daily TBT to the team at every single stage to make the matters right first time.
- Prepare daily quality assurance reports and quality improvement actions.
- Recommendation and thanks letter after the project received from GE OIL&GAS.

Dates : From May 2015 till Dec. 2018

Employer : EDEPC

Project : Al-Shabab Combined Cycle Conversion Project 4x4x1 (1500MW)

Job title : Project Field Construction & Commissioning Engineer

Job Description :

- Supervise the work package (105) for HRSG installation and commissioning including two modules 4 HRSG each.
- Supervise construction phase up to hydro test.
- Prepare and trace the punch list.
- Follow up cold and hot commissioning activities (loop check, solo run tests and function test witnessing).
- Chemical cleaning process supervision.
- Steam blow activity supervision:
 - Steam blow temporary piping installation (YP system).
 - Preparation and restoration after chemical cleaning.
 - Walk down and line up systems before steam blowing.
 - Monitoring HRSG operation condition and parameters during steam blowing.
 - Steam blowing for HP, LP bypass system and main steam header for 4 HRSGs with accepted target plate with normal and safe operation.

Dates : From Jan. 2015 till May 2015

Employer : GE Power / KN

Project : Nubaria Power Station 9FA upgrade project

Job Description : Worked for Kharafi National Company as Technical Advisor and Material Control Manager (9FA.03DLN2.6+XD5DF, AGP, CDM, EFM, CTM, Opflex, MKVI to MKVIe project at Nubaria Power Station (1st time at the Middle

East).

- Dates** : From Aug. 2011 till now
- Employer** : EDEPC
- Project** : Al-Shabab GE 9E gas turbine 1000MW
- Job title** : Maintenance Engineer
- Job Description** :
- Outage Manager (Planning, executing and performing 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.
 - Outage Engineer perform HGPI for 2 units at Damietta Power Station.
 - Responsible for handling forced outage repair of 2 gas turbine units.
 - During installation and commissioning the gas turbine units:
 - Work as Gas Turbine Commissioning Engineer with Kharafi National team supervised by GE.
 - Liquid fuel circuit commissioning responsibility.
 - Read and follow the WBS for mechanical activities of the project.
 - Follow up implementation of the daily activity reports.
 - Blowing and flushing for the different systems according to GE supervision.
 - Compressor offline water wash process with detergent.
 - Installation of evaporative cooling system.
 - Preparing a punch list for all missing mechanical activities according to the contract.
 - Studying P&ID of the gas turbine.
 - In charge of preparing technical diagnostic reports for any trip.
 - Prepare daily and monthly reports.
 - After handing over the project: Work as Mechanical Maintenance Engineer and follow up warranty claims.
 - Project participation:
 - DLN conversion project supervised by GE team: conversion from standard burner to Dry Low Nox burner.
 - Installation and commissioning for all modified systems to apply DLN conversion for GT #1 & GT #2 supervised by Mr. John Brown and I owe him all experience that I got and it was a great chance to work under his supervision.
 - Applying DLN modifications for other 6 units including brg#2 inspection at GT #7 and removing combustion wrapper upper half and CDC to inspect the bearing under.

- Dates** : From Aug. 2010 till May 2011
- Employer** : GRAND Industries for concrete batching plants and all steel structure works (Egypt)
- Job Description** :
- Technical Sales and After Sales Support Engineer.
 - A member of continuous development team.
 - Job achievements:
 - Increasing plant capacity and productivity via optimizing overall cycle time with Maintaining net profit and reducing the cost of all plants and making variety in designs classified into 3 new designs

matching with all types of customers requirement.

- Making of professional feasibility study to encourage customers to make investment in the field of batching plant.
- Closing two deals for batch plants and 2 cement silos.

Dates : From May 2009 till Jul. 2010
Employer : Daliel-alsouk EST & Riyadh factory - KSA
Job title : Technical Sales Engineer
Job Description : Target achieved 4 periods 3 months each, last one was over target.

Field of experience :

- Succeed in performing job requirements and participation in finishing the project ahead of schedule and under allocated budget of 12 units GE 9E Gas turbine HGPI at Damietta Power Station.
- Achieve 28 days as planned instead of 54 days without budget impact by applying Critical path method, fast tracking/overlapping schedule compression skills. For 8 Units GE gas turbine Frame 9E combustion inspection.
- Build up strong material control system for 9FA gas turbine upgrade project (AGP, CDM, CDM) (Advanced Gas path, Casing Temperature Management, Combustion dynamic monitoring).
- Provide Technical advisory for the team to define the scope of each department and how to extract materials from the drawing.
- Apply PMP principles of building a motivated team work.
- Supervise the work package (105) for HRSG installation and commissioning including two modules 4 HRSG each (heat recovery steam generator).
- Supervise construction phase up to hydrotest of 8 HRSG.
- Head for CP-106 AND CP-105 steam turbine & air-cooled condenser and HRSG installation and commissioning at Al-Shabab Project, as a member of the Project Management Team.
- Following up all the technical, contractual, and logistical issues associated with the supply and service contracts of the HRSG & Turbine Packages.
- Following up & supporting the erection, commissioning, and start-up phases of the project.
- Participated in the contract preparation and negotiations of the supply and the erection and commissioning services of the contract Packages for Project with ANSALDO ENERGIA SPA. And ANSALDO CALDIE.
- Prepare and trace the punch list.
- Follow up cold and hot commissioning activities (loop check, solo run tests and function test witnessing).
- Chemical cleaning process supervision.
- Projects summary:
 - From Feb. 2019 till May 2019 – Saudi ARAMCO abqaiq site train B frame 5 GE (General Electric gas turbine) upgrade & Major inspection start-up, testing and troubleshooting up to successful operation with baker Hughes a GE company.
 - From May 2015 – Al-Shabab 1500MW combined cycle conversion project (Ansaldo Energia and Ansaldo Caldie).
 - Mar. 2018 to Apr. 2018 - Beni Suf Kureimat upgrade project

(9FA.03DLN2.6+XD5DF, AGP, CDM, EFM, CTM, Opflex, MKVI to MKVIe project (Advanced gas path conversion project for efficiency improvement and long lifetime).

- Jan. 2018 to Mar. 2018 - Assiut planned outage combustion inspection (working for General Electric GE POWER).
- Feb. 2016 to Mar. 2016 Qatar gas major overall train 7(9E 3 units major overall / Qatar) for GE oil & gas company.
- From Aug. 2011 to Jan. 2012 - Al-Shabab fast track project (simple cycle project 8 units GE frame 9E gas turbine 1000MW).
- Jan. 2015 to Apr. 2015 - at Nubaria Power Station upgrade project (9FA.03DLN2.6+XD5 DF, AGP, CDM, EFM, CTM, MKVI to MKVIe project (1st time at the Middle East).
- Nov. 2012 to May 2013 DLN 1 conversion project: conversion from standard burner to Dry Low Nox burner.