

Has about 21 years experience working in construction, maintenance, operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 19/07/1978
Gender : Male
Residence : Alexandria

EDUCATION

: Mechanical Power, Technical Institute in Alexandria (Camp Shizar), 2002

LANGUAGES

Arabic : Native Language
English : Excellent
Italian : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: Finite Element Analysis Software such as P6 Primavera Computer Aided Design (CAD) Software
: 3D models, mechanical drawing detailing tools

TRAINING COURSES AND CERTIFICATIONS

: English speaking skills in Abu Qir Training Center.
: Operate Combined Cycle in Abu Qir Training Center.
: Fire Fighting Course in Abu Qir Training Center.
: Advanced H2S Gas course (Level 1 & 2) at MARSIK.
: PTW Training at MARSIK Personal survival techniques for search and rescue.
: Prevention and combating of marine pollution.
: Elementary first aid.
: Fire prevention and firefighting.
: International code for security - operational level.
: Nitrogen and hazard awareness.
: Fall protection.

- : Dropped objective.
- : Commissioning awareness and performing authority.
- : Process safety awareness.
- : Control of work course.
- : Isolation course and LOTO management.
- : Compressed Air by PTA / HSE (LSC), BP Learning School.
- : Introduction to Gas Turbines by PTA / Engineering (LSC), BP Learning School.
- : Management of Mechanical Joint Integrity by PTA / Engineering (LSC), BP Learning School.
- : P&ID Piping by OMSA / Operating Management System (LSC), BP Learning School.
- : Piping Vibration by PTA / Engineering (LSC), BP Learning School.
- : Relief Systems by PTA / Engineering (LSC), BP Learning School.
- : BP Safety Instrumented Systems (SIS) for Operations and Maintenance Technicians by PTA, BP Learning School.
- : ICDL

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2002 till now
- Employer** : WDEPC
- Project** : Sidi Krir Power Plant
- Job title** : Maintenance Mechanical Technician
- Job Description** :
- Maintenance for MITSUBISHI Gas, Steam turbines and Auxiliaries.
 - Maintenance for SIEMENS Steam turbine and Auxiliaries.
 - Inspection and check for:
 - Condenser water box rubber coating - debris filter rotating parts.
 - Equipment alignment with driver and final alignment check.
 - High- and low-pressure valve internal parts inspection.
 - Assembly and re-assembly (for the most) of the following equipments:
 - Pumps (such as feed water, condensate, circulate, service, closed cooling and Waste P/Ps).
 - Compressors (Air compressor and Gas compressor).
 - Vacuum pumps.
 - Heat exchangers.
 - Rotating Filters (such as debris, self-cleaning and travelling screen filters).
 - Air dryer.
 - Attending in 22 Inspections under (MHI Contractor's supervision) as follow:
 - Combustor Inspection (every 8000 operating hours) x 2 units:
 - Scope of work:
 - ❖ Disassembly and re-assembly fuel (oil/gas) branch Piping.
 - ❖ Disassembly and re-assembly Sweep Air Pipes and valves.
 - Disassembly and re-assembly Water Injection manifold pipe.
 - ❖ Disassembly and re-assembly ignites.
 - ❖ Inspect exhaust and cross fire tube, marman coupling (NDT work).

- ❖ NDT Inspection for the follow Items:
 - Top hats.
 - Combustor baskets.
 - Transition pieces, seal & transition piece U support.
 - Bypass elbows.
- ❖ Disassembly and re-assembly Nozzles, top hats and Combustor Baskets, Transition pieces, Seal & U support.
- ❖ Check and cleaning inlet guide vane (I.G.V) angle and Tips.
- Turbine Inspection (every 16000 operating hours) x 2 units:

As previous activity on combustor inspection and the additional follow work activities:

 - ❖ Removal Turbine Blade Ring (Upper Half).
 - ❖ Removal Seal Ring Housing.
 - ❖ Removal Turbine Row & Ring Segment.
 - ❖ Removal Turbine Row Vane & Ring Segment.
 - ❖ Removal Turbine Blade Ring (Lower Half).
 - ❖ Check.
 - ❖ Check of the lube oil system.
 - ❖ Bearing maintenance cover for all leak check and cleaning.
 - ❖ Alignment check turbine blade.
 - ❖ Modification Support Ring Bolt with cooling whole type.
 - ❖ Cleaning Turbine Casing.
 - ❖ Loose Exhaust Horizontal Bolt.
 - ❖ Water Injection Test of Nozzle.
 - ❖ Re-install Turbine Casing and Tighten Turbine Casing bolt.
 - ❖ Re-install SSS Clutch.
 - ❖ Alignment Auxiliary Gear and Torque Converter.
 - ❖ Alignment Staring Motor and Torque Converter.
 - ❖ Cleaning Purge Air Line.
 - ❖ Alignment turning devise.
 - ❖ Repair Insulation.
 - ❖ Attended the commissioning during start-up units.
- Major Inspection (every 48000 operating hours) x 2 units:

As previous activity on combustor inspection, Turbine inspection and the additional follow work activities:

 - ❖ Remove, Inspection and Re-install No1 Bearing U/H- L/H.
 - ❖ Remove, Inspection and Re-install U/H- L/H Journal Bearing.
 - ❖ Remove, Inspection and Re-install Active Thrust Bearing.
 - ❖ Remove Inspection and Re-install Gas Turbine Rotor.
- Major Inspection and Rehabilitation and performance improvement of gas turbine units in the combined cycle (every 96000 operating hours) x 2 units:
 - ❖ Gas Turbine Major Inspection including the following:
 - Rotor Replacement.
 - Compressor Blades Replacement.
 - Turbine Blade Rings Replacement (Upgrade for #2, 3, 4).
 - Replacement of ISSH #2, #3.
 - Replacement Honeycomb Seal of ROW #4.
 - Torque Tube Cover Seal Housing Upgrade Support.
 - Ring Replacement with Upgraded type.
 - Compressor Diaphragms & IGV's Coating on Site.
 - Inlet Last Chance Filter Removal.
 - IGV & CBV Actuators Replacement.

- Combustor Baskets and Transition Pieces Upgrade.
- GT Insulation Upgrade.
- ❖ Generator and Auxiliary Major Overhaul.
- ❖ GT Starting Unit Equipment.
- ❖ Major Overhaul for Auxiliary Gear Box.
- ❖ Major Overhaul for Main Lube Oil Pump.
- ❖ Fuel Gases Valves Replacement.
- ❖ Inlet Filter GDX4 Upgrade.
- ❖ Exhaust Expansion joint Soft Parts Replacement.
- ❖ Exhaust Diverter Damper Seals Replacement.
- ❖ TCA Fan Inverter Upgrade.

Dates : From Jun. 2023 till Jul. 2023
Employer : Ons FRANKFURT Company
Project : YAMAL LNG PLANT SABETTA – RUSSIA
Job Description :

- Hot gas pass for Turbine frame 7.
- Accessory alignment check & Inlet elbow & Transition duct removed inlet Plenum removal and removed load coupling Partly.
- Remove Transition pieces and nozzles and Shrouds and install new 1st and 2nd stage plates and installing new.

Dates : From Jan. 2023 till Jun. 2023
Employer : Proger Company
Job title : Mechanical Supervisor
Job Description :

- Pre-commissioning and commissioning.
- Monitoring progress, recording all test results, witnessing final testing and acceptance of static and rotating equipment.
- Make sure all systems are designed, installed, tested, operated, and maintained according to the operational requirements of the owner or final client.
- System walk-downs to identify mechanical punch-list items.
- Supported all commissioning and start-up activities.
- Prepare all inspection and test plans for all mechanical activities.
- Inspection of installation of all equipment (pumps & compressors &) leveling and alignment.
- Perform solo run, load run, and OTP for all pumps.
- Perform a walk-down to check P&ID and draft comments for P&ID change.
- Witness all activities related to pneumatic and hydrostatic testing.

Dates : From Mar. 2022 till Dec. 2022
Project : MIDOR
Job title : Mechanical Foreman
Job Description : Major overhauls for Siemens 1000E (60MW) unit 11. Hot gas path for Siemens 1000E (60MW) unit 12.

Employer : Emirates Nuclear Energy Corporation BARAKA
Project : UAE

Job Description :

- Continually monitor TA construction activities brownfield for Unit 1 Emirates Nuclear energy compliance to contract.
- Direct supervision A/Z as a lead mechanical field supervisor (green field RAVEN gas plant) for Auxiliaries / Maintenance / Travel screen / pumps / filter / fans.
- Carry out Task Risk Assessment TRA and professional to design Secure Systems of Work.
- Certified/Qualified as control of work Performing Authority PA.
- Develop and coordinate comm. plans, pre-functional checklists, functional performance tests, and integrated systems tests and systems manuals for complex mechanical systems, consistent with firm standards.
- Supervision of the Commissioning technicians under their direct responsibility ensuring that the commissioning team members correctly apply procedures, codes, and standards.
- Team Leader for fast response team during start-up and operation phase up to the project's full capacity.
- Excellent Simultaneous operations (SIMOPs) controller for construction activities near active equipment and maintenance activities near process operations.
- Following lubricating and oil schedule.

Dates : From Dec. 2021 till Mar. 2022

Employer : Saudi European Petrochemical Co. (IBN ZAHR)

Project : El Jupail at Harad Dammam – Saudi Arabia

Job title : Mechanical Supervisor

Job Description :

- Hot gas path Inspection for turbo-Compressors GE-Nuovo Pignone (Frame 5) under (GFC) Company.
- Coordinate and work with reporting mechanical engineers and other technical disciplines independently in developing equipment maintenance/assembly in a team environment, especially tanks, pressure vessels, heat exchangers, and variety pumps
- Plan the required manpower, equipment, tools, and consumable material, to execute the job.
- Provide input to quantity tracking application and report weekly installed quantities of static / rotating to Project Controls.
- Solve technical issues related to component design independently, including any required interface with other disciplines.

Dates : From Jul. 2021 till Aug. 2021

Project : MIDOR

Job title : Mechanical Supervisor

Job Description : Major overhauls for GE baby steam turbine under Technip Co.

Dates : From Nov. 2020 till Jan. 2021

Employer : Arab Potash Company

Project : Elkarak, Jordan

Job title : Mechanical Supervisor

Job Description : Co-coordinating testing and commissioning for HRSG (NOOR-ERIKSEN).

Dates : From Jan. 2019 till Nov. 2020

Employer : GASCO

Job title : Mechanical Supervisor

Job Description : Major overhauls for 2 screw compressors GEA screw compressor 30 bar.

Employer : EMC

Job Description :

- Overhauls outage in Petroleum Abu Qir.
- Mechanical Supervisor (EMC) Major overhauls for the centrifugal compressor (GE-Nuovo Pignone) set at PETROBEL – Abu-Mady Fields, Egypt.
- Mechanical Tech. ELNG (Idku) Hot gas path Inspection for turbo-Compressors GE-Nuovo Pignone (Frame 5).
- As a Mechanical Supervisor in charge of overhaul supervision to provide technical assistance to the mechanical team and crafts.
- Coordinate and work with mechanical engineers and other technical disciplines independently in developing piping/equipment installation / assembly in a team environment.
- Ensure the most current design document specifying pipe hangers and inline components is provided to a subcontractor to complete work and that all design changes are approved prior to implementation.

Dates : From Jul. 2017 till Aug. 2018

Job title : Mechanical Supervisor

Job Description : Major overhauls for 2 turbine GE (Frame 7) SEGAS LNG Damietta Power Stations, Egypt.

Dates : From Nov. 2017 till Dec. 2018

Employer : Proger Company

Project : ZOHR DEVELOPMENT PROJECT - PORT SAID

Job title : Commissioning Mechanical Supervisor

Job Description :

- As a Mechanical Commissioning Supervisor for an EPC contractor in charge of rotating equipment commissioning to provide technical assistance to our mechanical crafts.
- Responsible for in-scope, on-schedule. Establish the appropriate project team structure, reporting, and metrics to measure, and monitor performance against plan reporting frequent status updates to internal stakeholders.
- Specify and review data for large pumps and rotating equipment for power station applications.
- Co-coordinating testing and commissioning activities and providing advice on testing and commissioning procedures and documentation.
- Monitoring progress, recording all test results, witnessing final testing and acceptance of equipment.
- Ensuring the safe testing and commissioning of all equipment.

Dates : From Jan. 2016 till Sep. 2017
Employer : SAIPEM COMPANY
Project : RUMILLA - IRAQ
Job title : Mechanical Commissioning Supervisor
Job Description :

- Commissioning and Start-up for Rotating Equipment (Pumps and Coolers) at Water Injection Stations.
- Coordinate with engineering on constructability and design issues relating to the mechanical discipline and/or the piping discipline such as mechanical equipment installation, piping installation, and testing.
- Implement controls over variables affecting mechanical job progress such as equipment installation, maintenance, and testing.
- Undertake mechanical/piping testing including leak testing and cleaning/flushing.

Dates : From Aug. 2014 till Dec. 2015
Employer : WEATHERFORD
Project : IPF PROJECTS - BASRA - IRAQ
Job title : Mechanical Construction & Commissioning Supervisor
Job Description :

- Installation, Commissioning and Start-up for Static & Rotating Equipment (52 Pumps, 16 Coolers, Vessels, (8) Solar Turbines Mars-100, Gas Compressors and 18 Air Compressors) at Hammar, Zubir and Rafidya Initial Production Facilities (IPF) Stations - Basrah - Iraq.
- Responsible for the conduct pressure test packages /witnessing/verifying / calculating up to acceptance/approval.
- Provide daily, on-site/in-field leadership, execution coordination of a multi-discipline team of mechanical commissioning technicians.
- Acceptance of Mechanically Complete Sub system packages from Construction. Punch List management and responsibility of offered Subsystems / Systems.
- Prepare job cards for Pre-Commissioning/Commissioning activities.
- Work with project HSE leadership to develop appropriate Job Safety Analysis (JSA's) for the mechanical commissioning team commissioning activities.
- Ensure Technicians work is carried out in a safe and controlled manner in accordance with site procedures and PTW system.
- Identify personnel and equipment resources necessary to perform mechanical commissioning activities for assigned systems.

Dates : From May 2013 till May 2014
Employer : EMC (Egyptian Maintenance Company)
Job title : Mechanical Construction & Maintenance Supervisor
Job Description : EMC Service Company work as a wide range of industrial sectors like Oil plants, Petrochemical plants, Water Treatment plants & Sewage plants and specializing in Machining work, therefore, I gained huge mechanical skills and experience to repair/maintain pumps also fabrication of piping systems, processing skids, heat exchanger, pressure vessels, chemical storage tanks, underwater mud pumping, mixing, and processing equipment, welding technologies, machining technic in this greet workshop, also, I was one of the construction and maintenance team in:

- Mechanical Turbines Supervisor, Major inspection for Turbo-Compressors GE-Nuovo Pignone (Frame V) and (PGT-10) at PETROBEL Port Fouad Fields – Denise Plant, Egypt.
- Engine exchange, Commissioning and Start-up for 2 units of Solar Turbines Centaur-50 Compressor set at PETROBEL – Abu-Mady Fields, Egypt.
- Hot gas path Inspection for turbo-Compressors GE-Nuovo Pignone (Frame V) and (PGT-10) at PETROBEL – Port Fouad Fields, Egypt.
- Major overhaul, Commissioning and Start-up for GE-Nuovo Pignone (Frame-3), (Frame-1) and (GE- 10) Turbo-Generator at PETROBEL – Sinai Fields – Power Station Plant, Egypt.
- Major overhaul for GE-10 Turbo-Generator at PETROBEL – Port Fouad Fields – Power Station Plant, Egypt.

Employer : BIBETCO (Badr El-Deen)
Job title : Mechanical Turbines Supervisor
Job Description : Major overhauls for Turbine GE (Frame 5) at Marsa Matrouh, El-Kobaud.

Dates : From May 2011 till Mar. 2013
Employer : Kharafi National Company
Job title : Mechanical Turbines Supervisor
Job Description : Major overhauls for Turbo-Generator GE (Frame 9) El-Kureimat, Nubaria and Beni Suf Power Stations, Egypt.

Dates : From Jun. 2007 till Jun. 2009
Project : Elsharja Power Station - UAE
Job title : Operation & Maintenance Mechanical Technician

Field of experience :

- Summary:
 - Mechanical field experience of more than 20 years in oil, gas, refinery, power generating station, nuclear power stations, steam turbine (supercritical 650MW), gas turbine and combined cycle.
 - Ability to drive installation of static equipment, rotating equipment, steel structure, piping systems, and piping supports, covering everything for construction methodologies, material selection, field installation activities, operation, overall outage and maintenance.
 - Excellent knowledge in pre-commissioning and commissioning.
 - Strong ability to be a leader of multiple teams consisting of district employees and outside contractors.
- Procurement, fabrication, construction and commissioning. Organizing maintenance review meetings client for evaluating the project scheduled program.
- Accountable for ensuring all the Project Team are aware of the processes and their function in the delivery of all the aspects.
- Manage project design and construction teams and ensure work delivered in line with the contractual requirements.
- Preparing Spare Parts requisitions and stock control.
- Participate in all HSE initiatives to support the delivery of zero accidents and incidents.

- Good knowledge in Quality Assurance & Quality Control.
- Provide leadership for maintenance improvement initiatives.
- Organizing project review meetings for evaluating project progress.
- Conduct root cause analysis of equipment failures and non-scheduled shutdowns and recommend problem resolutions.
- Familiar with API standards.
- Have good knowledge in field Instrumentation Device Maintenance & calibration.
- Having thorough knowledge in maintenance of air compressors, pumps and heat exchangers.
- Ensure overall compliance with brown field construction execution Plans, specifications, and procedures by promoting effective communication and team working together with best practice sharing to improve operational efficiencies.
- Lead the team responsible for preparing and supporting the safe implementation of all offshore/onshore brown field execution activities for the Field Production Sustainability project team.
- Good knowledge for standard codes and international company procedures, GE, SHELL, ARAMCO, BP, SIEMENS, etc.
- Excellent behavior to work among different nationalities due to 20 years of direct contact with expats from many countries (Italians, Americans, Indians, Filipinos, England, Germanys, etc.).