

Holds a B. Sc. in Communication & Electronics Engineering and has over 17 years of international experience supporting outage execution, maintenance optimization, and reliability improvement for aero-derivative and frame gas turbines. Proven experience translating field lessons learned into procedural improvements, coordinating with engineering and operations teams to enhance outage execution, safety performance, and turbine service methodologies. PMP® and CMRP-certified professional experienced in leading multinational teams, improving maintenance strategies, and supporting continuous improvement initiatives across global power generation projects. Possess Schengen, Canada Visa and USA B1/B2 visas, ready for global assignments.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/01/1988
Gender : Male
Marital Status : Married
Residence : Currently Houston, TX, USA

EDUCATION

- : B. Sc. in Communication & Electronics Engineering, Aviation Academy, Cairo, 2009
- : Master of Business Administration (MBA) – In Progress, Agora University, USA (2026 – Present)

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Project Management Professional (PMP)®.
- : Certified Maintenance & Reliability Professional (CMRP).
- : Attended official 36 hrs classroom PMP (Project Management Professional) exam preparations.
- : Gas Turbine (Siemens V94.3A) at Nubaria Power Station.
- : SDH – NGSDH at Huawei Tec.
- : DWDM – NGDW at Huawei Tec.
- : Automatic control at Don Bosco.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2025 till now
Employer : PRISMECS USA
Job title : Program Manager – Projects & Services
Job Description :

- Project Manager for the 3× GE TM2500+ Gen8 gas turbines (~111 MW) O&M services contract supporting the xAI Colossus Data Center, Southaven, MS, USA, leading project execution, client interface, technical governance, and operational excellence.
- Project Manager for the STN Landman Data Center 40 MW Temporary Power Project, Odessa, TX, USA, leading the execution of a trailer-mounted diesel generator power system, including planning, engineering coordination, construction, commissioning, and client interface.
- Established and led the PMO, holding full end-to-end ownership of projects and O&M programs.
- Served as the senior technical lead, driving technical decision-making, client engagement, and solution development with new clients and key suppliers.
- Led equipment evaluation, selection, and integration for LM2500, LM6000, NovaLT16, Mitsubishi FT8, and diesel/gas gensets, ensuring technical and commercial alignment.
- Supported commercial strategy and cost estimation, preparing CAPEX/OPEX estimates, BOQs, execution strategies, and technical inputs for proposals and investment decisions.
- Directed technical and commercial interfaces with OEMs, EPCs, and vendors, supporting pricing alignment, contract scope definition, and risk mitigation.
- Accountable for scope, schedule, cost, quality, and risk, ensuring alignment with contractual, technical, and financial baselines.
- Led technical due diligence and feasibility assessments, enabling informed go/no-go decisions for new opportunities.
- Provided technical and execution leadership to project and O&M teams, ensuring consistent delivery standards.
- Implemented centralized project and O&M tracking in Zoho, improving portfolio visibility and management decision-making.
- Coordinated with engineering and field teams to standardize maintenance practices and improve turbine service execution.

Dates : From May 2023 till Oct. 2025
Employer : PRISMECS USA
Project : Duqm 4*TM2500 Power Plant, Oman
Job title : O&M Manager – Oman Site / Project Manager (Remote)
Job Description :

- Fast-track power generation projects and live operations for Aero Gas Turbines, Mainspring, diesel, and gas generator units. Accountable for end-to-end execution across operations, maintenance, engineering, outages, and new developments.
- Led O&M planning and execution using CMMS, developing maintenance strategies, outage plans, and operational schedules to improve reliability and performance.
- Identified operational improvement opportunities and implemented

- procedure updates to improve safety, quality, and outage efficiency.
- Implemented operational and maintenance procedure updates based on field observations and outage feedback, improving turbine reliability and execution efficiency.
- Supported root cause analysis (RCA) and reliability improvement initiatives across gas turbine fleets.
- Served as Outage Manager for LM6000 maintenance activities at TECO Houston, representing Prisms in technical coordination with site operations and OEM teams.
- Performed reliability engineering activities (FMEA, RCM, RCA), tracking KPIs (MTBF, MTTR, OEE) and supporting cost optimization initiatives.

Dates : From Jan. 2022 till May 2023

Employer : PRISMECS USA

Project : Duqm 4*TM2500 Power Plant, Oman

Job title : Lead Mechanical TA & O&M Lead

Job Description :

- Led mechanical installation of GE LM2500+G4 units, including base frame positioning, gas generator mounting, and power turbine alignment.
- Led the team in operating TM2500 AERO units and Balance of Plant (BOP), ensuring seamless operation and adherence to best practices.
- Planned and executed major turbine outages including scope definition, manpower planning, parts coordination, and contractor supervision.
- Managed outage schedules, safety compliance, and quality verification to ensure successful return to service.
- Executed (corrective / preventive) Maintenance activities for gas turbines.
- Planned and executed maintenance activities for all site BOP systems (gas systems, fire-fighting, water systems, and RO-DM plant), ensuring reliability, safety, and operational readiness.
- Acted as the primary mechanical technical authority on-site, supporting troubleshooting, root cause analysis (RCA), and interface coordination with OEMs and third-party service providers.
- Performed Borescope (BSI) inspections on all TM2500 engines, maintaining peak efficiency and reliability.
- Provided technical guidance and adjusted operational parameters to ensure optimal unit performance.
- Conducted audits on equipment, logs, and procedures to ensure compliance with operational procedures and vendor guidelines.

Dates : From Jul. 2021 till Jan. 2022

Employer : [EGYPTROL](http://www.egyptrol.com)

Project : ALAYAH Power Plant, UAE

Job title : Mechanical Commissioning Engineer

Job Description :

- Led the installation of 2 x Mitsubishi (MHI) M701F gas turbines, including full integration with balance of plant systems.
- Managed all pre-commissioning, commissioning, and start-up activities, aligning with project timelines and objectives.
- Directed the commissioning team for the start-up and operation of 2 GTs, 2 HRSGs, 1 STG, generation switchgear, and transformers.
- Prepared progress reports and ensured completion of final reports and

certificates.

- Served as Start-up Lead Engineer for 2 Mitsubishi Gas Turbines (GT11 & GT12), 2 HRSGs, 1 STG, and associated electrical systems including switchgear and transformers.
- Managed the commissioning, operation, and maintenance of all Balance of Plant (BOP) systems, including gas Compressors, Air Compressors, Lube Oil Systems, Seal Oil Systems, Closed Cooling Systems, Pneumatic Systems, and Turning Gear.
- Enforced strict compliance with safety protocols, including PTW and LOTO procedures.
- Directed cross-functional teams, maintaining rigorous safety and compliance standards throughout the commissioning process.

Dates : From Jun. 2019 till May 2021
Employer : Algahnim International WLL
Project : Sabyia Thermal Power Plant, Kuwait
Job title : Team Lead EPC and O&M
Job Description :

- Supervised the mechanical construction and installation of Siemens SGT5-4000F gas turbine and Siemens steam turbine (STG), including base frame alignment, generator coupling.
- Performed major inspection and overhaul activities on Siemens SGT5-4000F gas turbine, including hot gas path inspection (HGPI), combustion inspection, and major inspection (MI) according to OEM guidelines.
- Led the operations team, ensuring the safe and efficient functionality of power plant systems and equipment using MAXIMO.
- Led start-up and operation phases for Siemens and GE turbines, including HRSG and Steam Turbines, optimizing plant performance.
- Directs power generation plant operators on the operation of all plant equipment to ensure smooth operation.
- Prepare the shift logs, equipment operation data, parameter trends, and equipment history.
- Commissioning and Start-up for Gas Compressors and Cooling Tower system and all plant BOP (Air Comp - Feed Water Pumps - Condensate Pumps - Closed Cooling system - pneumatic System).

Dates : From Apr. 2018 till Jun. 2019
Employer : [EGYPTROL](http://www.egyptrol.com), Ansaldo Energia Subcontractor
Project : October CCPP - 900MW ADD ON (Turn Key Project)
Job title : Lead Commissioning & Operation Engineer
Job Description :

- Supervised the start-up and commissioning of HRSG and Ansaldo Steam Turbines, achieving operational excellence.
- Mechanical installation and alignment of an Ansaldo AE94.2 gas turbine, including base frame setting, rotor positioning, and generator coupling.
- Installation of auxiliary systems such as lube oil skid, hydraulic skid, fuel gas lines, and air intake system, following Ansaldo's technical procedures.
- Led steam blowing and chemical cleaning operations, ensuring compliance with project specifications.
- Start-up and Operation Engineer for 4 HRSG and Ansaldo Steam Turbine (250 MW).

- Commissioning and start-up for 4 HRSG and all plant BOP (Air Cooled Condenser -Air Comp - Feed Water Pumps - Condensate Pumps - Closed Cooling system - pneumatic System - CT Makeup System).

Dates : From Jun. 2017 till Mar. 2018
Employer : Techint Engineering & Construction
Project : Damietta CCPS - 1500MW, CP-118
Job title : Lead Commissioning & Operation Engineer
Job Description :

- Oversaw construction and commissioning of 4 x GE Frame 9E gas turbines, coordinating with EPC contractors, GE field teams, and local subcontractors.
- Directed start-up and commissioning activities for GE 9E Gas Turbines and Steam Turbines.
- Managed safety protocols and emergency handling, maintaining plant stability and operational safety.
- Start-up and Commissioning Engineer for GE GT 9E and GE STG.
- Shift Charge Engineer, responsibility during the shift for plant start-up, Operation, Shutdown, Emergency handling, Troubleshooting, Issue of safety work permits.
- Start-up and Commissioning Engineer: Feedwater Pumps, Condensate systems, Closed Cooling systems, Potable water systems, Chemical systems, Fire system.

Dates : From Jun. 2015 till Apr. 2017
Employer : [EGYPTROL](http://www.egyptrol.com), GE Energy Subcontractor
Projects : Aero Derivative Gas Turbines 6* LM6000/ 20* Project, Egypt
Job title : Mechanical & Operation Engineer
Job Description :

- Performed start-up and operation activities for TM2500 GEN 7 units at 5+ sites each site 2* TM2500.
- Performed Borescope (BSI) inspections on all TM2500 engines, maintaining peak efficiency and reliability.
- Executed semi-annual and annual maintenance activities for gas turbines, generators.
- Executed (corrective / preventive) Maintenance level 1 &2 activities for gas turbines.
- Shift Operation for 2 LM6000 units at Sharm Elsheikh Power Plant, ensuring timely project execution across multiple locations.

Dates : From Apr. 2009 till Jun. 2015
Project : Nubaria Combined Cycle Power Station (2250MW)
Job title : O&M Shift Leader
Job Description :

- Performed major maintenance activities on GE Frame 9FA gas turbines, including hot gas path inspection (HGPI), borescope inspections, combustion inspections, and rotor-related work under OEM procedures.
- Operated and monitored GE and Siemens Gas Turbines and Steam Turbines, ensuring consistent power generation.
- Performed major inspection and overhaul activities on Siemens SGT5-4000F gas turbine, including hot gas path inspection (HGPI), combustion inspection, and major inspection (MI) according to OEM guidelines.

- Led the disassembly, inspection, and replacement of critical components such as turbine blades, vanes, combustion liners, and transition pieces.
- Led mechanical maintenance of turbine auxiliaries including L.O. system, fuel skid, turning gear, IGVs, and hydraulic systems.
- Start-up & Operation Engineer 2 Siemens Gas Turbine 4000F / Alstom Steam / MITSUBISHI Steam Turbine.

- Field of experience :**
- Core Competencies – Mechanical Lead & Project Management:
 - End-to-End Project Management (Scope, Schedule, Cost, Risk & Quality).
 - Gas Turbine Outage Execution & Maintenance Process Improvement.
 - CMMS Systems (MAXIMO, Maintenance Planning & Work Management).
 - Reliability Engineering, RCM, RCA & Performance Optimization.
 - O&M Performance Improvement using TPM, RCA, and Continuous Improvement Methods.
 - Mechanical Leadership for Aero & Frame Gas Turbines (Installation, Commissioning & O&M).
 - Technical Risk Assessment, Method Statements & Change Control.
 - Budget Control, Cost Optimization & Financial Accountability.
 - HSE Leadership, PTW/LOTO & Safety Compliance.
 - Key Roles and Achievements:
 - Program Manager– Projects & Services, Prismecs USA Global.
 - O&M Manager – Project Manager, Prismecs USA, TM2500 Al Duqm Power Plant (80MW), Oman.
 - Commissioning Engineer, EGYPTROL, Alayya CCPP (1000MW), Sharjah, UAE.
 - EPC Team Lead at Alghanim International (O&M), Sabbya Power Plant (750MW), Kuwait.
 - Commissioning Lead in October Combined Cycle Power Plant (1500MW), Egypt.
 - Commissioning Lead at West Damietta Combined Cycle Power Plant (1500MW), Egypt.
 - Mechanical & Operation Engineer for Aero GE LM2500/LM6000 Gas Turbines (2x25MW), Egypt.
 - Operation & Maintenance Engineer at Nubaria Combined Cycle Power Plant (2250MW), Egypt.