

Holds a B. Sc. in Mechanical Power Engineering and a Diploma in Total Quality Management and Quality Management Systems (TQM & QMS). Has about 18 years hands-on experience working as Operation Engineer / Engineering Manager at Suez Gulf Power Plant.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/06/1981  
Gender : Male  
Marital Status : Married  
Residence : Suez

## EDUCATION

- : B. Sc. in Mechanical Power Engineering, Cairo University, 2004
- : Professional Postgraduate Diploma: Total Quality Management and Quality Management Systems (TQM & QMS), The American University in Cairo, 2016

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

- : Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Certified Asset Management Assessor, CAMA and ISO55001, The World Partners in Asset Management, WPIAM, USA (Oct. 2021).
- : Certified Maintenance and Reliability Professional, CMRP, The Society for Maintenance & Reliability Professionals Certifying Organization (SMRPCO), Atlanta, Georgia, USA (Jun. 2021).
- : Certified Reliability Engineer, CRE, The American Society of Quality "ASQ", Milwaukee, USA (Mar. 2021).
- : Certified Manager of Quality / Organizational Excellence (CMQ/OE), The American Society of Quality, Milwaukee, USA (Mar. 2017).
- : Certified Lead Auditor, ISO14001-2015: Environmental Management System, Chartered Quality Institute, Greater London, England (Jul. 2017).

- : Management courses:
  - Statistical Quality Control, Six Sigma, Quality Planning, Strategic Management (as part of TQM Diploma 2015).
  - Basics of Operations Management & Supply Chain Management (Jan. 2012).
  - Basics of Strategic Marketing & customer services (Sep. 2008).
- : Power Plant Training / Technical courses:
  - Certified training of OSHA in General Industry and Construction Industry (May 2009).
  - Safety Diploma from National Association of Safety Professionals (NASP) (May 2009).
  - Shutdowns and Turnaround Management (Apr. 2016).
  - First Aid and Operational Training for CPR & AED machine (Jan. 2018).
  - Industrial pumps and Fans: selection, operation and maintenance (American University in Cairo 'AUC ') (Nov. 2008).
- : Suez Gulf Power Plant Training (2008-2019):
  - Permit to work management (PTW).
  - Job hazard analysis (JHA).
  - IMS policy and requirements, requirements and basic rules.
  - Overhaul Safety awareness.
  - IMS requirements & basic rules of ISO 9001, 14001 & OSHA 18001.
  - Practical training on using F/F extinguishers & foam unit.
  - Elevators Safety in emergency situations.
  - Gas insulation substation "GIS" Protections and Metering.
  - Simulator Training on plant operation.
  - Chemistry / Water Treatment & Conditioning.
  - Boiler Master Control & Turbine Control.
  - Equipments Permission & Protection.
  - Black Out Procedure, Run Back & House Load Re-synchronization.
  - Water & steam cycle polution.
  - Alstom / Toshiba Logic Function blocks.
  - 220KV GIS communication & switching procedure/Operation procedure.
  - Water/steam cycle conditioning.

## CHRONOLOGICAL EXPERIENCE RECORD

<b>Dates</b>	: From Jul. 2018 till now
<b>Employer</b>	: C.G.N. (China General Nuclear Power Corporation)
<b>Project</b>	: Suez Gulf Power Plant
<b>Job title</b>	: Engineering Manager
<b>Job Description</b>	: <ul style="list-style-type: none"> <li>• Issuing the Root Cause Analysis report for group plants incidents, follow-up action plans implementation, and effectiveness.</li> <li>• Issuing and following up on the Management of change process for any required modification to improve plant process performance.</li> <li>• Lead strategic and operational projects to enhance performance.</li> <li>• Partner with cross-functional support teams in improving the proprietary tools and systems.</li> <li>• Proactively assess risks and implement risk management strategies to ensure asset KPIs are achieved.</li> </ul>

- Conduct budget reviews, cost-benefit analyses and propose revenue maximization and cost optimization strategies to upper management for implementation.
- Coordinating and directing performance improving projects, making detailed plans to satisfy the goals of the board of directors and shareholders.
- Facilitating proper management control of plant activities by reviewing and upgrading efficient management control policies, methods, and systems continuously.
- Ensuring that all internal/external parties are following the regulations of the contract while implementing the plant operations.
- Plan and execute action plan activities for modification projects and liaise with stakeholders and clients about the results and progress of the project work, assuring the project's schedule and results are fully met without deviation or noncompliance.
- Review the Plant technical documentation, drawings, wiring diagrams, design manuals, modification records, equipment history, and specifications for the stakeholders and client as part of the transfer plan and schedule.
- Integrate and, where possible, standardize management process procedures to ensure conformity and that all departments are using established guidelines in managing their areas of operation.
- Participate in the asset management plan within the company through the process of planning and controlling the acquisition, operation, maintenance, renewal, and disposal of organizational assets. This process improves the delivery potential of assets and minimizes the costs and risks involved.

**Dates** : From Nov. 2004 till Jul. 2018

**Employer** : C.G.N. (China General Nuclear Power Corporation)

**Project** : Suez Gulf Power Plant

**Job title** : Operation Engineer

**Job Description** :

- Evaluating the current performance, assessing future development possibilities, and making board-level recommendations on expansion or investment options while participating in asset management meetings.
- Analyzing operations and their effectiveness in reaching objectives and identifying areas for potential cost reduction, program enhancement, or policy change.
- Consolidating the policies and procedures of the various departments and ensuring their compliance while overseeing and following up on their updates.
- Maintain operational communication with the EEA to verify that power exports conform with PPA.

**Field of experience** :

- Summary:
  - Currently I am working as Engineering Manager in Suez Gulf Power Plant. Originally, I am a mechanical power engineer, I have been working in the field of power generation plants management for 18 years now.
  - I have started my career in the operation department, from field

operator then control room, until shift team leader, starting from normal running of plant units and associated systems to start-up, shut down, trouble shooting and major overhaul pilot engineer, my focus on operation excellence, plant performance improvement, equipment reliability, plant compliance with every aspect of standards, regulation and contractual agreements.

- Being in the engineering department allowed me to supervise and manage improvement projects for plant performance, with the associated coordination with different stakeholders for their requirements, managing the resources leveling and compliance with the schedule for activity implementation as planned, the results achieved saved the organization over 20M USD and improved our reputation in the market.
- I have trained several personnel on different operation systems, and implemented audits for several plants in Egypt, also I participated in preparing and implementing the ISO transition project to the new ISO standards of 2015 within three plants in Egypt.
- Qualifications:
  - Leadership skills.
  - Team building expertise.
  - Communications Skills.
  - Negotiation Skills.
  - Presentation Skills.
  - Strategic Planning.
  - Overhaul project management.
  - Inventory Management.
  - Process Safety Management.
  - Planning and strategy.
  - Risk Management.
  - Asset Integrity Management.
  - Daily operations supervision.
- Plant Performance Improvement Accomplishments:
  - Achieving plant availability of 100% for two consecutive years.
  - Improving plant heat rate by 300 BTU/KWh through a performance enhancement project which saved over 20M USD for the SG plant.
  - Successful implementation of Two Plant Major Overhaul, around 1000 Work Requests within the scheduled timeline of 45 Days/Unit.
  - Investigating fleet plants' major incidents and reporting the results and action plan to the board of directors of Edra Power Holdings Co.
  - Successful implementation of Integrated Management System transition from ISO old standards to the new ISO 2015 standards for managing Quality, Environmental, and Safety systems (9001, 14001, 45001).
  - Providing Human Performance Improvement and Human Error Prevention training course for Power plants professionals, "1600 Man hours".
  - Participating in developing the Permit To Work management "PTW" procedure for Egypt asset, and providing training for the PTW procedure for company personnel " 500 Man hours".

- Providing Integrated Management System training to Egypt asset Edra fleet plants “200 Man hours”.