

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 19 years hands-on experience working mainly in Oil and Gas, specially in Liquefied Natural Gas (LNG) Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 26/08/1980  
Gender : Male  
Marital Status : Married  
Residence : New Cairo

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2002

## LANGUAGES

Arabic : Native Language  
English : Fluent  
French : Basics

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: SAP system for plant maintenance & production personnel management  
: PIMS for plant parameters monitoring  
: AutoCAD drawing  
: Documentum program

## TRAINING COURSES AND CERTIFICATIONS

: On-job training courses:

- Process description for both (APCI Technologies & COP Technologies).
- HSSE Training (General & Specific) concerning LNG Plants.
- Hitachi Training for Gas Turbines Generators (GTG).
- Siemens Training for Generators & Gas Turbines.
- PMS Training for power generation management (Load Sharing, Shading and Distribution).
- Mark-VI Training for frame 6 & 7 Gas Turbines control.
- Nuovo Pignone (G.E) Training for Gas Turbines frame 6 & 7.
- Mixed Refrigerant, Propane, ethylene and Methane Compressors control (CCC) training.

- VSDS Training for helper motors for Nuovo Pignone (G.E) frame 6 & 7 Gas Turbines.
  - SVT training for LNG, LPG (Propane & Butane), PB and condensate Loading arms.
  - G.E training for propane BOG compressors.
  - Hitachi training for LNG BOG reciprocating compressors.
  - Atlas Copco Training for instrument Air Compressors and LNG BOG Compressors.
  - APCI Training for Nitrogen production (Gas & liquid) units.
  - Water treatment using RO and Desalination plant for Potable & Demineralized water production.
  - Effluent & Waste water treatment (STP, CPI & DAF) training.
- : Non-Technical Training Courses:
- Leadership skills.
  - Problem Solving and Decision Making by PROMARK.
  - The Seven Habits of Highly Effective People by LTC.
  - The Leader in You by DALE CARNEGIE & ASSOCIATES, INC.
  - Team Building and High-Performance Teams by DALE CARNEGIE & ASSOCIATES, INC.
- : Summer Training Courses during University:
- Kader factory for Advanced Industries Co.:
    - Electric motors maintenance.
    - Transformers maintenance.
    - Laying Cables.
  - Schneider Electric H.V.:
    - Electric substations design.
    - Quotations study.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2018 till now
- Employer** : ENI
- Project** : Coral South FLNG Project (APCI Technology-Dual Mixed refrigerant)
- Job Description** :
- Working during the Engineering, Procurement, Construction, Installation and Commissioning (EPCIC) phases as following:
    - Engineering (FEED) and Procurement phase: From 2018 working for ENI Mozambique Engineering (EME) as LNG Operations Advisor/Superintendent in Technip FMC, Paris, France.
    - Construction, Installation, Commissioning and start-up phase: From 2019 working for ENI Rovuma Basin (ERB) as Operations Superintendent in Coral South FLNG Project in Samsung heavy industries shipyard, South Korea.
  - Advising the Operation Manager for all operation roles, accountability and responsibilities from Managerial respective during project and operation phases.
  - Contribute in FLNG Project Detailed Engineering in order to assure that Company philosophies and applicable standards are applied, and that final Detailed Engineering of the plant is able to guarantee Technical Integrity and Operability during asset lifecycle.
  - Site visits for Factory Acceptance Tests (FAT) and Site Acceptance Tests (SAT).

- Participation and Acceptance in Design and Operations Safety Case activities (QRA, RAM, F&G, Ship Collision Analysis, HAZID, HAZOP, etc.).
- Assist in the development, review and approval of typical Project Design and operation readiness and assurance (OR&A) deliverables such as: Operations management system, Operations Contracts & Services, Business continuity plans, process layout, process design, control room design and layout, process metering, start-up strategy, isolation philosophy, sparing philosophy, controls philosophy, black start philosophy, and material handling philosophy.
- Participate with Operations Midstream production manager to build and manage the Operation organization for LNG Plant Site; liaising the different phases of LNG Project.
- Responsible for recruiting and mobilizing the suitable Operation calibers, build the Operation infrastructure including operating policies and procedures, develop of strategic documents, and KPI's and Lead the involvement of the operating team during the Pre-commissioning, commissioning and start-up activities to ensure the safe efficient operation.
- Establish plant field operation monitoring, diagnoses abnormal situations, initiates Operational adjustments to maintain smooth operation and the product to meet the required stipulated specifications and quantities.
- Develop and supervise the technical and safety training programs for operation team to ensure their competency for their designated area in the FLNG Plant, and ensure the agreed training programs are implemented and monitored to achieve technology transfer to the national work force in order to develop an efficient nationalization program.
- Establish an Incident Management System and Lead the investigations of plant accidents, incidents, and operation upset reports & near misses then perform root cause analysis (RCA) and follow up plans in order to avoid recurrence and to keep high plant reliability.
- Commence day-to-day Operations management and coordination with other FLNG departments to ensure all operation activities performed safely with high plant availability & reliability, and to deliver set production targets and objectives in time and within budget in order to meet and accomplish the yearly Production Plans and to identify potential opportunities for continuous improvement.
- Review, Authorize, implement any modifications through management of change process (MOC), design change notification (DCN), and simple engineering change (SEC), for efficient, safe plant operations, and OPEX reduction purposes.
- Lead the Process Hazard Analysis (PHA) as HAZOP team Leader.
- Ensure that all shift superintendents are staffed with the skills, knowledge and experience required carrying out production activities in order to achieve set goals and objectives within agreed time frames.
- Conduct annual and periodic reviews of the shift superintendents POS (Performance Optimization System) according the guidelines determined by the operation director and company Business Plan.
- Review & implement Long and short-term Production Planning, Overhaul, turn around and maintenance Programs in conjunction with the Asset Integrity department, in order to have an Equipment

- Preventive, Predictive, and Corrective Maintenance Programs.
- Applying robust PTW (Permit to Work System), in order to ensure maintenance programs executed safely and efficiently.
  - Ensure to have plant/equipment shutdowns and turnarounds procedures whether planned or unexpected.
  - Participate along with the operation team in Process Safety Management (PSM).
  - Ensure the implementation of the company Emergency Response plan (ERP).
  - Lead audits on the implementation of all operations procedures (SOP), Standing instructions (SI), operation routine duties (ORD), alarm management system and critical process variables monitoring.
  - Establish reliability Improvement System and culture among operation team to capture and apply all internal and external Lessons Learned based on the appropriate Incident Investigations.
  - Ensure to have a dedicated FLNG facility Housekeeping Program to maintain all plant areas tidy and well harmonized with the environment according company HSSE Policies and Best Practices.
  - Ensure the implantation of the dedicated plan for storage and disposal of all plant surplus materials.
  - Ensure ethical behavior and business practices of the entire operation group, is consistent with company standards and aligns with the values of the organization.
  - Contribute in promoting an open and honest work environment, in order to ensure high personnel motivation, accountability and commitment.

<b>Dates</b>	:	From 2015 till 2018
<b>Employer</b>	:	ENI
<b>Project</b>	:	Angola LNG (Conoco Phillips Technology)
<b>Job title</b>	:	Production Shift Team Leader
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Pre-commissioning, commissioning and start-up of Angola LNG facility.</li> <li>• Reviewing and Authorizing ALNG standard operating procedures.</li> <li>• Contributing in ALNG plant HAZOP studies, and new projects PHA (process hazard analysis).</li> <li>• Organize &amp; facilitate RCA (root cause analysis) studies for incidents and accidents.</li> <li>• Contributing in the reviewing and implementation of any modification through MOC process (Management of Chang) for efficient, safe plant operations.</li> <li>• Training, mentoring, evaluating and assessing the production personnel for their progression and promotions, and personal performance appraisal (PPAP).</li> <li>• ALNG Permit to work system implementation, control, manage methods &amp; precautions required and perform risk assessment for critical maintenance activities and SIMOPS, outlining the necessary steps and their logical sequence on all maintenance work carried out during the shift to complete the job efficiently, safely and ensure that procedures are adhered.</li> <li>• Review &amp; Authorize the production personnel training plans, IDP's, and coaching agreements with the training and HR departments.</li> <li>• Coordination of shift activities with maintenance department to insure a</li> </ul>

smooth plant operation.

- Review and Authorize turn-around procedures, schedule and manpower requirements.
- Perform internal Audits for the operations routine duties (ORD), and review the communication tracker, to make sure that all standing instructions cascaded to all the production Crews.
- Review the suggestions tracker (Rewarded) for plant operation improvement through design modification or SOP change for the safety of the plant and running cost (OPEX) reduction.
- Member of the production promotions committee and Recognition & award committee.

**Dates** : From 2011 till 2015  
**Employer** : Union Fenosa Gas  
**Project** : SEGAS LNG (APCI Technology)  
**Job title** : Operations Shift Supervisor  
**Job Description** :

- Turn-around complete planning, starting from the plant shut-down, minimizing inventory of hydrocarbon and chemicals, Nitrogen purging, preparation of the Plant for turn-around activities, and organizing with the other Plants & Departments, Ending with plant pre-commissioning, commissioning and start-up.
- Carry out independently various routine operation parameters adjustment to streamline unit operation, and maintain production plan.
- Control and management of permit to work including methods & precautions required and perform risk assessment for critical maintenance activities.
- Record and advice operators of deviations from specified operating conditions, compressors performance, pumps cavitation...etc.
- Provide training & mentoring for the new operators and fresh engineers.
- Write shift Daily report, operation observation relevant to the operation activities and identify potential opportunities for continuous improvements.
- Adjustment of the operating parameters to meet the production rate along with the product specifications.
- Monitor process chemicals consumption inventories and reports, coordinate with warehouse supervisor to withdraw required chemicals out of warehouse.

**Dates** : From 2003 till 2011  
**Employer** : Union Fenosa Gas  
**Project** : SEGAS LNG (APCI Technology)  
**Job title** : Operations DCS Supervisor  
**Job Description** :

- Involved in pre-commissioning, commissioning, start-up & subsequent stabilization of SEGAS LNG facility.
- Monitor the plant operation, diagnoses abnormal situations, initiates operational adjustments to maintain smooth operation.
- Provide functional directions to field operators and panel operators to adjust plant operation.
- Monitor all running machines, instruments & ongoing maintenance work.
- Discusses all accidents, incidents, and operation upset reports and near

misses with Day supervisor and fellow operators in order to avoid recurrence.