

**100474-CSX-CMOS-E-2005**  
**Industrial Merchant Maintenance Manager**

Holds a B. Sc. in Electronics Engineering and has over 11 years hands-on experience in different types of IT-systems and technical supports. Also working in design, commissioning and troubleshooting of control systems and electronic systems.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/10/1980  
Gender : Male  
Marital Status : Married  
Residence : Giza, Cairo

## EDUCATION

: B. Sc. in Electronics Engineering, Menoufia University, 2005  
: Advanced Technical School Diploma, 1999

## LANGUAGES

Arabic : Native Language  
English : Fluent

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD  
: MS Visio  
: C++, Java, Visual Basic  
: OrCAD, PIC emulator, CNC emulator  
: Linux

## TRAINING COURSES AND CERTIFICATIONS

: Project Management course.  
: Microcontrollers (Microchip).  
: VLSI  
: Computer Peripherals Interface.  
: Summer training at International Company for Electrical Products (BAHGAT Group) (Jun. 2002).  
: Advanced Global Maintenance Management AUC (American University in Cairo).

- : SIEMENS SIMATIC S7 advanced.
- : ABB Freelance (System engineering).
- : OSHA (Occupational Safety and Health Administration) General.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2016 till now
- Employer** : Airliquide Egypt subsidiary
- Job title** : Industrial Merchant Maintenance Manager
- Job Description** :
- The mission is to manage maintenance processes of Packaged Gases plants, Bulk fleet (White part), all Fixed tanks owned by AL, and some fixed tanks owned by customers with maintenance contracts. To achieve the performance objectives in terms of safety, reliability, and cost effectiveness according to country regulations, maintenance plans and Air Liquide IMS procedures.
  - Manage maintenance activities for almost *25 M Euro assets*.
  - Lead Maintenance team which consists of Engineers and Technicians to support operations team to achieve our targets.
  - Responsible for schedule all the phases of maintenance operations in an efficient manner by assigning activities to maintenance team.
  - Analyze all maintenance services flow in order to build relevant figures to identify potential optimization and analyze causes of quality and non-quality of the service.
  - Projects management within cost and time constrain.
  - Update and optimize maintenance planning:
    - Ensure that the warehousing is effective to fulfill maintenance planning needs by reviewing and updating spare parts availability.
    - Manage annual maintenance activities with maintenance engineers.
    - Follow up the preventive maintenance plans Vs the implementation.
    - Ensure that the maintenance program is in place and aligned with the maintenance strategy, local regulations for inspections, calibration and testing activities as defined by the Industrial Director.
  - Manage maintenance processes and follow-up KPI:
    - Ensure safe, reliable and efficient conduct of maintenance operations.
    - Analyze incidents, maintenance requests number, cost saving, leads gap analysis.
    - Ensure effective implementation of maintenance Standard Operating Procedures (SOPs), programs and plans according company strategy, Ensures compliance to company policy.
    - Assess opportunities for improvement; set and achieve goals of maintenance performance.
    - Implementing critical equipment maintenance SOP defined by risk assessment study.
    - Manage availability of PPEs and proper tools for all team to perform their work safely and efficiently.
  - Define maintenance budget according strategies and objectives:
    - Regarding regulations compliance, spare parts stock level and

- identified savings.
  - Manage investment budget for maintenance improvement (CAPEX & OPEX).
  - Set up indicators to follow up budget achievement.
  - Increase team skills to minimize the demand for service third party.
- Ensure IMS (Industrial Management System) system is implemented and effective in maintenance Operations:
  - Ensure HSE plan is communicated to maintenance team and sub-contractors and ensure it is understood and implemented in every process.
  - Ensure that the training program and controls are compliant with required qualifications.
  - Ensure that maintenance manuals updating process is in place and controls effectiveness.
  - Manage quality and accuracy of all documents and records.
  - Manage compliance with all applied ISO standards.
- Analyses for reviews, technical part of AL offers and contracts:
  - Participate to the investment committee while new non standard installations are reviewed for offer or contract validation.
- Define the process improvement objectives and related strategies:
  - Analyze with each maintenance engineer the operation indicators and performance indicators.
  - Compare performed costs of ownership to budget.
  - Identify improvement fields and elaborate new maintenance strategy, consistent with AL group.
  - Define annual objectives according potential savings.
- Manage and develop maintenance team:
  - Ensure skills, competencies and resources are adequate for maintenance operations.
  - Motivate team, set objectives and evaluate their performance.
  - Evaluate global training requirements, Ensure each Maintenance Engineer has plan the training according required qualifications of the jobs.
  - Set up and follow global and individual objectives. Proceeds to individual appraisal.
  - Encourage innovation within the team in order to improve the different activities.
- Technical support:
  - Provide technical support to other activities in case of new projects and unplanned installations.
  - Support all facilities during all types of audits, starting from preparation for the audit, ending by closing technical points in action plan.
- Customer satisfaction:
  - Ensure customer satisfaction through managing regular visits of maintenance engineers to all customers, in order to assess quality of maintenance service, and define new ways to give better technical support to customers.
  - Manage proper closing of customers requests, as per service level agreement or contract, either internally or externally.
  - Manage customer awareness campaigns, through scheduling visits to customers in order to enhance their well understanding of

our products and how to deal with it.

- "Instrumentation National Expert" through Technical Community Leaders program: Member of Technical Community Leaders as national Instrumentation expert. Responsible for contributing with any team within Air liquide Egypt to support them in any Instrumentation related issue, either new project or troubleshooting.

**Dates** : From Jul. 2013 till Oct. 2016  
**Employer** : Airliquide Egypt subsidiary  
**Job title** : Packaged Gases Plants Maintenance Manager  
**Job Description** :

- The mission is to manage maintenance processes of all Packaged Gases filling stations (Oxygen, Nitrogen, Argon, CO2, Helium, Mixtures, Acetylene), as to achieve the performance objectives in terms of safety; reliability and cost effectiveness, according to country regulations, maintenance plans and Air Liquide IMS procedures and standards.
- Same responsibilities of Industrial Merchant Maintenance Manager, but for Packaged Gases plants scope.
- Main achievements:
  - Hired talented qualified maintenance team.
  - Built Maintenance Management system from scratch, (which includes Maintenance plan, Equipment database, Standard operating procedures, spares stock and Inspections records) to be the backbone of all maintenance activities.

**Dates** : From Dec. 2009 till Jun. 2013  
**Employer** : Airliquide Egypt subsidiary  
**Job title** : Senior Instrumentation & Automation Engineer  
**Job Description** :

- Responsible for handling the Instrumentation maintenance processes of all the Six filling stations.
- Manage and maintain instruments with control systems like PLC (SIEMENS S7-315,S7-200, SCHNEIDER TWIDO), DCS (ABB Freelance 800F)and SCADA which is used to monitor and control engineering systems, machinery, processes and to ensure that these systems and processes operate effectively, efficiently and safely.
- Perform all the scheduled phases of Instrumentation maintenance operations including calibration activities in efficient manner.
- Design, components selection, Communicate with suppliers, Installation, Commissioning and start-up of new projects.
- Manage Gas analyzers (calibration and troubleshooting) and all related analysis networks.
- Analyze all the Instrumentation maintenance services flow in order to build relevant figures to identify potential optimization and analyze causes of quality and non-quality of the service.
- Ensure that the warehouse is effective to fulfill maintenance planning needs by Reviewing and Updating the Instrumentation spare parts availability.
- Plan the annual maintenance activities with the maintenance manager according to the operation schedule and stoppage durations.
- Manage maintenance processes and follow-up KPI.
- Ensure safe, reliable and efficient conduct of maintenance operations.
- Define Instrumentation maintenance budget according strategies and

objectives.

- Follow up the budget achievement indicators.
- Minimize the demand for third party service.
- Ensure HSE plan is communicated to maintenance technicians and sub-contractors and ensures it is understood and implemented in every process.
- Identify improvement fields.
- Manage and develop the Maintenance technicians
- Set-up and follow global and individual objectives.
- Main achievements:
  - Constructed database to contain all instruments' data installed in all packaged gases plants.
  - Design, material selection, manage implementation, commissioning and start-up of highly standard gas analysis lab, to meet local quality standards in addition to Air liquide standards (which received lot of recognitions from group experts).

**Dates** : From Jun. 2008 till Dec. 2009  
**Employer** : [EGYPTROL](#)  
**Projects** :

- El-Tebbin & El-Kureimat grounding system design
- Power Distribution Control System Engineering (KSA)

**Job title** : Technical Office Control Systems Engineer  
**Job Description** : Responsible for preparing control drawings (Single Line Diagram, Logic) for control systems, supervise the commissioning & start-up phase in some power plants, communicate with control systems suppliers (SIEMENS, SCHNEIDER and ABB) to design a technical tender offer.

**Dates** : From Mar. 2007 till Jun. 2008  
**Employer** : Integrated Security Systems Company (Comp4U)  
(Fire alarm, Access control and CCTV)  
**Job title** : Design & Maintenance Engineer for the electronic systems  
**Job Description** : Responsible for train the technicians about (new systems, Troubleshooting and installation), design & manufacture electronic utilities based on Microcontroller to make the system able to deal with the customer systems and all instruments.

**Dates** : From Mar. 2006 till Mar. 2007  
**Employer** : Military Engineers Administration  
**Job Description** : Worked in Information Systems and Technical Support Department as Technical Support and Data Network Installations Engineer.

**Skills:**

- Good background about CNC machines.
- Good knowledge about PCB implementation.
- Electronic circuits analysis and troubleshooting.