

Holds a B. Sc. in Aircraft Electrical Engineering and has about 27 years hands-on experience working in maintenance and technical office.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 18/04/1968
Gender : Male
Marital Status : Married
Residence : El-Mokattam, Cairo

EDUCATION

: B. Sc. in Aircraft Electrical Engineering, Military Technical College – Cairo, 1990
: Elkhedaweya Secondary School, Cairo, 1985

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: PLC programs

TRAINING COURSES AND CERTIFICATIONS

: Diploma of American Language, Department of Defense - American Language Institute, English Language Centre – TX, USA (2000).
: Training in the use, operation and maintenance of the Programmable Logic Control PLC by Siemens production German (Level 1 & 2) (2013).
: Applied welding technology & practical training for engineers at Egyptian Welding Technology Center (2013).
: Non-destructive testing of welding - practice number SNT -TC-1A using liquid penetrate test (PT) at Egyptian Welding Technology Center (2013).
: Non-destructive testing of welding - practice number SNT -TC-1A using magnetic particle test (MT) at Egyptian Welding Technology Center (2013).
: Quality Assurance and the Environment Monitoring Course at Egyptian Air Force (2005).
: Risk Management Course at Egyptian Air Force (2002).
: Process Review Course at Egyptian Air Force (2002).

- : F-16 Electrical Specialist Course at Lockheed Martin Tactical Aircraft Systems - TX, USA (2000).
- : Flight safety course at Egyptian Air Force (1999).
- : Flight Control and Instruments Course at Egyptian Air Force (1993).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2015 till now
- Employer** : Flurocoat Factory for Teflon coating – Borg Al-Arab – 4th Industrial Zone
- Job title** : Research & Development Manager
- Job Description** :
- Supervise the implementation of the infrastructure and prepare for the installation of the production lines.
 - Follow up on the installations of the electricity network, compressed air cycle and sandblasting line.
 - Design and implement 3 automatic painting cabins with advanced technique using micro controller and stepper motors to implement spraying guns to spray Teflon coating horizontally and vertically.
 - Design and implement five curing ovens with control and protection circuits using classical control technique.
 - Oversee the operation of the plant and train workers.
 - Implement industrial safety activities.
 - Prepare the factory to receive ISO certificate.

- Dates** : From 2013 till 2015
- Employer** : Elkadesia Engineering Industries for manufacturing of welding rods
- Job title** : Maintenance Manager
- Job Description** :
- Perform maintenance plans of Mechanical and Electrical departments according to production plans and in coordination with the planning and follow-up departments.
 - Managing maintenance schedules and budgets.
 - Manage the day to day operation of the maintenance department, which runs twenty hours a day six days a week, maintaining a minimum of ninety five percent equipment availability.
 - Prepare and coordinate work schedule for maintenance personnel.
 - Schedule and coordinate all preventive maintenance for over sixty pieces of equipment.
 - Manage any planned or unplanned equipment repairs.
 - Supervise the operation of manufacturing the spare parts in maintenance workshop according to the workshop capabilities.
 - Plan of inventory spare parts according to maintenance plan.
 - Inspect and receive spare parts provided by external and internal suppliers and assure its conformity with required quality.
 - Negotiate, review and recommend external maintenance contracts.
 - Supervise and lead engineers and technicians.
 - Make performance appraisal to subordinates with a proposal on the necessary training and rehabilitation required.
 - Assist in the training of maintenance personnel with technical and safety items.
 - Confer with higher levels of management.

- Develop monthly report for the upper management.
- Upgrade the control system of several equipments from conventional classic control to Siemens step 7-300 PLC modern control system.

Dates : From 2011 till 2012
Employer : Egyptian Air Force
Job title : Technical Officer of Oxygen and Nitrogen Gas Station
Job Description :

- Supervise on the operation / maintenance of production station of liquid Nitrogen / Oxygen model lox -800 of industrial gases in liquid/ gaseous forms.
- Running and stopping the production units.
- Follow up on the implementation of maintenance and repair work, make sure on the availability of all necessary spare parts.
- Supervise and communicate with technical support companies to provide services.
- Follow-up on the balances of liquid and gaseous gases produced.
- Inspection and testing of all the cylinders of different types of gases.
- Implement industrial safety activities.
- Measure the implementation of the production plan.
- Implementation of quality assurance and quality control system in the unit.
- Preparing Reports to upper management levels.

Dates : From 2005 till 2011
Employer : Egyptian Air Force
Job title : Deputy of Electric & Flight Control Branch Director
Job Description :

- Carry out maintenance, repair, supply, inspection and quality control for equipment, avionics and electricity of aircrafts.
- Carry out engineering studies and extend the life of operation of aircraft units.
- Issue technical orders and maintenance instructions.
- Perform technical research and development work.
- Identify technical specifications for aircraft systems.
- Participate in Negotiation and conclude contracts with international /national companies.
- Plan, implement and manage the activities of the technical support department (maintenance, supply, quality, train, calibration and documentation).
- Develop education curriculum and on-job training for electric, flight control, and avionics systems.

Dates : From 2004 till 2005
Employer : Egyptian Air Force
Job title : Chief of Avionics workshop PV I F-16
Job Description :

- Maintain aircraft electronic equipment such as radar systems, communications/ navigation systems, flight control systems and flight data recorder systems.
- Troubleshoot malfunctions, inspect, remove, install and check out aviation electronic systems with emphasis on in-depth troubleshooting.

- Repair both the aircraft equipment and the associated test equipment.
- Test, repair, align and calibrate the pieces of main test equipment (test stations) and use standard test equipment such as: oscilloscopes, digital voltmeters and RF measurement devices and others.
- Computer hardware, computer languages and electronics fundamental.

Dates : From 2003 till 2004
Employer : Egyptian Air Force
Job title : Squadrons Maintenance Engineer
Job Description :

- Flight Management & Manage technicians / engineers training plan.
- Aircraft maintenance (scheduled and nonscheduled) Management.
- Manage Aircraft configuration.
- Assist in fulfilling flight plan and in scheduled maintenance plan & periodical Inspection.

Dates : From 1990 till 2003
Employer : Egyptian Air Force
Job title : Flight Line Engineer
Job Description :

- Supervising the maintenance (scheduled and non-scheduled).
- Technician / engineers training.
- Carry out maintenance, repair, supply, inspection and quality control for equipment, avionics and electricity of aircrafts.

Research & Development Projects:

- 2000-2004:
 - Design and implement a source of electrical power supply that is currently used in workshops, laboratories and sections of the Air Force.
 - Design and implement hotline communication unit to improve the communication system between the trainer and the trainee in the training plane.
- 1996-1999:
 - Design and implementation of an interface unit that links between the flight control computer of F-16 fighter and Integrated Servo Actuators.
 - Design and implement a testing bench for relays, diodes and drivers existing in the control matrices in F-16 fighter.
 - Design and implement a protection circuit for the ground equipment to prevent restart of equipment till complete turbine stop.

Field of experience :

- Strong technical qualifications and a remarkable track record of years of experience in maintenance field.
- Extensive knowledge in designing, installing digital equipment and working with electro-mechanical control systems.
- Electrical Power Engineering.
- Make and develop the automation scripts.
- Develop innovative & effective solutions.
- Research & development projects.
- Develop & execute preventive maintenance plans.

- Buildings' facilities maintenance.
- Manage maintenance training programs.
- Aircraft maintenance.
- Aircraft quality assurance.