

AHMED KHAIRY SOWIDAN



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Personal Information

Date of birth: 10 Oct 1980
Nationality: Egyptian
Marital Status: Married - 3 Dependents
Drive license: Valid License
Languages: Very Good in Speaking & Reading and Writing English & Arabic Languages.

SUMMARY

Over 14 years Mechanical Engineer Experience (Operations & Maintenance).
High Experience in HVAC & MEP Engineering Services.
With Knowledge & Experience of all Electro-Mechanical Service.
Supervise Modification to Improve Service Quality & Reduce cost.
Excellent knowledge of Electro-Mechanical Control.
Handling the Troubleshooting of most of Existing MEP Systems.
Extensive 12 years of Experience in Automation Engineering (Classic Control Systems - Stand-Alone Controllers – BMS).
L.V Service & Electrical Control Panels (Installation & Troubleshooting).
Take Duties & Supervising of all MEP works and Performing the evening & overnight shifts jobs for 14 years @ ERTU Buildings & its Adjoining Facilities and Manage engineering services@ all facility including Supervision, Operation, Maintenance, Troubleshooting & following up all engineering sections services (MEP Systems, HVAC Stations, Transforming power station, Power Generators, City-Water Stations, FireFighting System, Telephone & communication rooms, Plumbing, Elevators).
Planning /Monitoring Treatment & Pretreatment Water Systems.
Participation, Organizing & Conducting Trainings to Engineers & Technical staffs.
Experience in Engineering Administrative Assistant & Marketing.
Research and development (R&D) of all ElectroMechanical Equipment and Services.

HIGHLIGHTS

- Accounting Skills • Administrative Skills • Analytical Thinking
- Resolving Skills • Creative Thinking Skills • Negotiation Skills
- Teaching Skills • Managing Skills • Strategic Planning Skills
- Leading Skills • Team Building Skills • Communication Skills
- Listening Skills • Market Research Skills • Enthusiasm Skills
- Motivational Skills • Decision Making Skills • Math skills
- Time Management Skills • Interpersonal Skills
- Organizational Skills • Computer Modeling skills



OBJECTIVE

I am currently looking for a position in an environment that offers a greater challenge, increased benefits for my family, and the opportunity to help the company advance efficiently and productively.

GOALS

My goal is to Expand leadership responsibilities, improve organizational ability to exceed corporate goals, and help honor all long-term commitments made to customers, stockholders, employees and the communities in which we live.

SELF-EXPLANATION & PERSONAL SKILLS

- Qualified Electrical & Mechanical Engineer Possesses.
- Hands-on Experience in Maintenance of MEP Installations.
- Flexibility to work long hours, if situation demands.
- Critical Thinking and Problem-solving.
- Capable of Generating & Presenting Maintenance Reports.
- Diverse team Environment and Ability to work in a Collaborative.
- Strong leadership with Technical competency.
- Strong Negotiation and Good Communication Skills.
- Can deal with Administrative duties.
- Continuous Drive & Self Improvement.
- Ability to Adapt to many Environments.
- Ability to work under pressure & Hard working conditions.
- Commitment and Continuous desire to learn with Inquisitive mind.
- Able to learn and acquire skills quickly.
- Self-motivated person who works well with / without supervision.
- Analytical Mind & Attention to Detail.
- Work with others to achieve common goals.
- Familiar with computer applications
- Giving and receiving feedback
- Able to work abroad with Strong Ethic & Organized with Efficiency.
- Resourcefulness, Diplomacy, Patience, Ambitious & Independent.
- Beat Pain and Strain.



MANAGEMENT EXPERIENCE

HEAD OF HVAC DEPARTMENT EXPERIENCE (2014 up to now)

Egyptian Radio & Television Union (Engineering Sector) (National Media Authority)

- **Planning and Managing Strategic of Department Activities.**
 - Supervision of purchased HVAC & MEP Systems.
 - Managing MEP systems as Operations and Maintenance 24/7.
 - Supervision directly the PPM of all the MEP Facility services.
 - Preparing the Strategic Plans & Time tables 24/7.
 - Responsible for complete operations
 - Make reports to Executive Director.
 - Investigate complaints about Service and Equipment.
 - Coordinate activities with other service departments.
 - Recruit the staff, Engineer, Technicians as per the requirement.
 - Chairing the members of the practices and bidding committees.
- **Managing The Department's Staff.**
 - Deal with staff performance issues in an appropriate manner.
 - Allocate responsibilities to each member of staff.
 - Responsible for manpower management and mobilization.
 - Plan and prepare employee work schedules.
 - Setting up timetables for the staff shifts for 24 / 7.
 - Monitor the performance and productivity of each teamwork.
 - Managing the manpower allocation on all AC stations.
 - Tender, Estimation and Lead the team of estimation engineers.
 - Preparation of work Schedule & Mobilization of technician's team.
 - Instruct staff in work Policies and Procedures.
- **Project Management (Supervising).**
 - Full Supervision & Participating of the works of HVAC&MEP Projects.
 - Conducting studies to Replace & Renovate and installing Projects.
 - Develop Plans for Modifying and Improving Projects.
 - Carry out the inventory work and scheduling the requirements.
 - Monitoring Mechanical & Electrical and Chemical Equipment.
- **Facilities Management Services**
 - Facility Management professional (HVAC/MEP) fully responsible.
 - Manage operations and maintenance for MEP systems.
 - Provides work direction and supervision to staff work.
 - Detect problem & resolution and delegate assignments to Staff.
 - Prepares in coordination with the Operations Manager.
 - list the scheduled tasks and distribute it to Engineers/ Technicians.
 - Manage and Supervises all PPM.
 - Manage building system operating efficiently and don't deteriorate.
- **Office Management**
 - Organize office operations for the purchase of Spare Parts, Tools.
 - Studies suppliers offer of Electro-Mechanical Devices & Spare Parts
 - Supervise office staff's responsibilities.



ENGINEERING EXPERIENCE

SENIOR TECHNICAL EXPERIENCE (2005 up to now)

Egyptian Radio & Television Union (Engineering Sector)
(National Media Authority)

- **Supervision, Operation, Maintenance, Repair & Troubleshooting solve:**
 - HVAC stations & MEP systems with traditional system & BMS.
 - DX & Package units up to 50T.R.
 - Centrifugal Chiller Units up to 1200 T.R(Carrier, York, MC Quay).
 - Chiller Air cooled Reciprocating (Carrier, York).
 - Chiller Air cooled Screw compressors (Trane).
 - Single, Dual & Multi-compressors Chillers (Carrier, York).
 - Water Pumps up to 100HP (Aurora, ITT, Taco, Bill&Gosit, Peerless).
 - Cooling Towers , Axial, Radial, Counter, Cross (Marly, Evapco)
 - AHU & FCU Units up to 100 T.R(Saiver, Carrier...)
 - ElectroMechanical Auto- Control used in the HVAC&MEP systems.
 - Electric Motors up to 100 hp capacity from different Brands.
 - Ventilation & fire Exhaust Fans of various types & Brands.
 - Hookup, Strainers & Heat exchangers.
 - Valves (Gate, Balance, Butterfly, Three & Two way, Non-return).
 - Control Panels(chillers, fans, motors, pumps, cooling towers, AHU).
 - Controllers for chillers, fans, motors, pumps, cooling towers, AHU.
 - Controllers of water treatment systems.
 - Low Power Service (star-delta connection, inverter, soft starter)
 - Power supplier service (Generator, ATS, STS, UPS...etc.)
 - Modification & Upgrade of Controllers & Protection Systems.
 - Installation Electrical Control Panels
 - Follow-up Treatment & Pretreatment for Chiller water networks.
 - Chemical Treatment and Tube Brushing of chiller's heat-exchanger.
 - Take Duties & Supervising of all MEP works and Performing the evening & overnight shifts jobs for 14 years @ ERTU Buildings & its Adjoining Facilities and Manage engineering services@ all facility including Supervision, Operation, Maintenance, Troubleshooting & following up all engineering sections services (MEP Systems, HVAC Stations, Transforming power station, Power Generators, City-Water Stations, FireFighting System, Telephone & communication rooms, Plumbing, Elevators).
- **Training The Department's Staff.**
 - Organizing and conducting trainings to Engineers, Technical staffs
 - Qualified staffs on the Maintenance & Operation & Repairing.
 - Training staffs on Troubleshooting on electromechanical works of all various HVAC & MEP Systems.
- **Spare Parts Planning, Inventory Monitoring and Purchasing.**
 - Carrying out the searching and shopping of Spare Parts, Tools
 - Fetching for Electro-Mechanical Devices in local market.
 - Manage & Control the Procurement & Store Sections.
 - Monitoring & Controlling Spare Parts for maintenance plans.
- ✚ **Assistance for others Manager's administration from others branches of Egyptian National Media Authority in the whole country in all MEP SERVICES .**



TRAINING BY E.R.T.U

- Re-assembly Centrifugal Compressor Carrier 19DR, (2005).
- HVAC Electrical Troubleshooting, (2006).
- Refrigerants Recovery and Ozone Depletion, (2007).
- Automatic Control and Wiring, (2008).
- Re-assembly Reciprocating Compressors York, (2008).
- ICDL (7 Modules), (2018).

TRAINING BY Others

- Refrigeration & A/C, Cairo University, Rizk Brothers Co., (2006).
- Tyssen kyropp (elevator co.) Stuttgart, Germany, (2010).

Education

- B.SC.ENG degree in Mechanical Engineering, Production and Printing Technology, October 2004.

Computer Awareness

- Professional in using personal Computer and many of its applications such as : (AutoCAD 2007 - Microsoft Office)

CERTIFICATIONS AND LICENSES

- ❖ **Training Full Professional Electrical Systems (NASS academy & Schneider Electric Certification)**, (2015).
- ❖ Certificate for cooperation from central administrator for engineering training @ (ERTU) to accomplishment training course "Operation & Maintenance for HVAC system" (2015).
- ❖ **Automation Packaging** (Classic Control Basic App, Industrial PLC Basic & PLC Advanced Application), @ **Jelecom** Egypt @Ain Shams University (March to August 2016).
- ❖ **MICROCHIP Certification** - Certificate of Completion (Analog & Digital Electronics – Arduino Controller – PCB) Basic Applications, @**Jelecom** Egypt (June to August 2017).
- ❖ Certificate for cooperation from central administrator for engineering training @ (ERTU) to accomplishment training course " Power Control & Design Control "(2017).

MEMBERSHIP OF PROFESSIONAL ORGANIZATION

- **Egyptian Syndicate of Professional Engineers**
Membership no: 05322/47.

INTERESTING TO LEARNING

- ✓ (PMP, PRINCE2, Primavera)
- ✓ (Six Sigma, Supply Chain, Logistics)
- ✓ (A&D&P Electronics & PCB)
- ✓ (Payton, C++, Java)
- ✓ (Arduino, Raspberry Pi , LOGO!8)
- ✓ (MS Access, Oracle PL/SQL, MYSQL)
- ✓ (CompTIA A+, N+, S+)
- ✓ (OS Linux, Unix, Ubuntu)
- ✓ (Microcontroller & DSP, FPGA & ASIC, IOT)
- ✓ (Matlab , LabVIEW)
- ✓ (Solidworks, AutoCAD MEP, REVIT).

