

Holds B. Sc. in Mechanical Engineering and M. Sc. in Refrigeration and Air Conditioning. Has about 14 years hands-on experience working in HVAC and maintenance.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 09/11/1976
Gender : Male
Marital Status : Married
Residence : Currently Abu Dhabi, UAE

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2002
: Currently studying for M. Sc. in VRF (Variable Refrigerant Flow Systems)
: High School: Mubarak Military School

LANGUAGES

Arabic : Native Language
English : Very Good
Italian : Good
French : Fair
German : Fair

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Autodesk AutoCAD
: Autodesk Inventor
: HTRI program
: AspenTech Hysys software

TRAINING COURSES AND CERTIFICATIONS

: Vibration Analysis CAT II (Mobius Institute, Australia).
: Power station and diesel operation and maintenance course (Cairo), Alcatel (Dec. 2005).
: Air Conditioning and Refrigeration Planning and maintenance course (Hamburg - Germany), STULZ (Jan. 2006).
: Fire fighting for oil and gas plants course in SEGAS LNG plant.

- : Safety courses in SEGAS LNG Plant:
 - Safety induction course.
 - Working in Confined Spaces.
 - Excavation.
 - Risk Assessment.
- : OSHA 1926 Construction course (Texas University).
- : OSHA 1910 General Industry course (Michigan University).
- : CMMS training course.
- : Machinery Vibration Analysis.
- : Machine Balancing course.
- : Aspen HYSYS Dynamic and Control.
- : ASHRAE course on Building in Balance (Indoor Environment Quality and Energy Efficiency).
- : ASHRAE course on Introduction to BACnet (Building Automation Control network).
- : Danfoss course on CO₂ as a refrigerant.
- : Trane online course (Applying VRF - Variable Refrigerant Flow).
- : Several English Courses in American University in Cairo.
- : Training at Alexandria Refrigeration Company Bakus Ice Factory (Alexandria) (Jul./Aug. 1999).
- : Training at Egyptian Railway Diesel Maintenance Center (Alexandria) (Jul. 2000).
- : Training at SUZUKI Maintenance Center (Alexandria) (from Jul. till Sep. 2000).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2015 till now
- Employer** : Enova Middle East
- Project** : Abu Dhabi International Airport, United Arab Emirates
- Job title** : Senior HVAC Engineer (Assistant Facilities Manager)
- Job Description** : Managing and follow up the Preventive, Corrective and Predictive Maintenance in Abu Dhabi International Airport for the following:
 - HVAC Equipment and Chillers in Power Complex for District Cooling System and DX Units in the all terminals in the airport.
 - BMS (Building Management System) for all Airport facilities.
 - Plumbing works in all Airport terminals.

- Dates** : From Jan. 2008 till Sep. 2015
- Employer** : Egyptian Maintenance Company
- Project** : SEGAS LNG Plant
- Job title** : HVAC & R Section Head Engineer
- Job Description** :
 - Executing preventive and corrective maintenance for all HVAC and Industrial Refrigeration equipment:
 - Instrument Air Compressor Chillers in 179 Tons of Ref.
 - Propane Refrigerant and Mixed Refrigerant Chillers in 44 Tons of Ref.
 - Ethane Refrigeration Package Chiller in 1 Ton of Ref.

- (TOROMONT Process System).
- Nitrogen Chiller in 7.85 Ton of Ref. (DENCO).
- Package units in 2.8 Ton of Ref. (Liebert-HIROSS).
- Package units for Analyser houses in 5.8 Ton of Ref. (Thermoplant).
- Direct Expansion Units (DX) in various capacities (Carrier).
- Split Units in various capacities (PETRTA).
- BACnet control for DX units' system for Johnson Control.
- Installation and Commissioning for many HVAC & R units.
- Apply predictive maintenance by monitoring machine health and condition such as pressure, temperature....etc. to decrease corrective maintenance, and create new job procedures according to machine history.
- Follow up all the necessary procedures related to permit to work system and apply safety rules.
- Monitoring performance for HVAC & R units according to manufacturer recommendations.
- Conducting onsite troubleshooting and rectification activities, such as in-depth problem analysis and provide solutions.
- Following up repair items during corrective jobs, and prepare spare parts available at ware house.
- Follow up manufacturing spare parts at work shop; make dimension test, and material selection.
- Managing maintenance teams to carry out maintenance activities.
- Selection of lubrication type or equivalent for rotating equipment to apply preventive maintenance as manufacture recommendations.
- Reporting of failure analysis for HVAC and Industrial Refrigeration equipment.
- Establishing machine history records for each machine and using these records to evaluate machine health and running quality.
- Carrying out shutdown activities for HVAC & R units during SEGAS Plant shutdown (Nov. 2008 and Jun.-Jul. 2010).

Dates	:	From May 2003 till Jan. 2008
Employer	:	Telecom Egypt
Job title	:	Operation & Maintenance Engineer
Job Description	:	<ul style="list-style-type: none"> • Installation and Commissioning for many HVAC & R units. • Installation and Commissioning for many medium and low voltage distribution panels. • Fully responsible for operation, maintenance, replacement, and new installation at 18 of Telecom Egypt locations for the below: <ul style="list-style-type: none"> - Air Conditioning and Refrigeration units (AHUs, Condensing units, and chillers). - Diesel Units. - Secondary batteries. - Rectifiers and Inverters. - Fire Alarm Security Systems. - Elevators. - Electrical Distribution Networks.

Dates : From Sep. 2002 till May 2003
Employer : Alexandria Water Company
Project : El-Nubaria II (the largest water plant in Alexandria)
Job title : Operation & Maintenance Engineer
Job Description :

- Operation and maintenance for pumps, valves, and diesel units.
- Replacement and installation for pumps, valves, and diesel units.