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CURRICULUM VITAE

Alia Mohammed Elamin Ahmed Abubakar

BS.c in Mechanical Engineering
MS.c in Renewable Energy Technology

Personal Information

Gender:	Female
Nationality:	Sudan
Visa Status:	Iqama
Residence Location:	Riyadh - KSA
Marital Status:	Married
Number of Dependants:	3
Driving License:	Sudan

Professional Experience

January 2018 -present	Instructor at Al-faisal University – Engineering Collage - Mechanical Department
March2015-June2016	Mechanical Design Engineer (MEP) at Murtada Maaz Consultant Company. Job Role: MEP Design Engineer **Preparation of all HVAC designs ,(using software) for cooling load ,ducts system ,ventilations and establishing BOQ .preparation of HVAC specifications according to ASHREA, SMACNA standers for supply and installation. Involve in Plumbing , and Fire Fighting designs and check that meets the standers of NFPA, and IPC. check the submittals of MEP contractors, to get approval .also assist the site engineer in supervision of the MEP works.
April2008- February 2015	Senior Design Sales Engineer –Central Advanced Digitech- Sole Agent of LG Electronics Job Role: HVAC Design & Sales Engineer *Preparation of heat load calculation(using software) and establishing quantities and capacities for any inquiry .preparation of cost estimation sheet for supply and installation. * visiting site and advice customers on site conditions for best solution for AC and prepare competitive quotations . *Design of VRF system for buildings (major projects including commercial, residential, offices tower). *Review of HVAC tender drawing ,design, specification & be insure that

it match authority requirements.

*Recheck the design of HVAC and prepare shop drawing for consultant approval .

* Prepare work shop drawing for ongoing projects, coordinate site works with project engineers and follow-up installation progress works .

* Prepare material submittals to get approvals from consultants.

* Monitor and control expenses related to project work and ensure organizational forecasts and budgets are met for these expenses

*Handle procurement activities relating to contracts and sub contracts in accordance with Company Procedures and Procurement department activities.

* Act as a liaison with contractors and clients managing any work interfaces and enhancements to project scopeí etc.

*Monitor service engineers activities to ensure that customers receive satisfactory service and quality goods ,& managing their works to meet project and client requirements, also prepare AMC .

*Instruct junior staff on how to handle difficult and complicated sales.

*Inventory stock and reorder when inventory drops to a specified level.

*Confer with company officials to develop methods and procedures to increase sales, expand markets, and promote business.

Assistant Technical Manager

April 2002 - April2008:

Seapal investment and trading óSole Agent or OøGeneral AC products Khartoum 2 - Sudan, Al Khartoum, Sudan

Company Industry: Engineering

Job Role: Technical Mechanical Engineering

Preparation of heat load calculation and establishing quantities and capacities for any inquiry .preparation of cost estimation sheet for supply and installation . preparation of account opening form, clarifying terms of payment. Design and drawing all shop drawings. Monitoring and reporting competitors .conducting, and updating competitors products comparison sheet. [2005] assistant Technical manager.

Site Supervision engineer ó follow HVAC installation progress work - project implementation and all workshop works

July 2001 - March2002:

Site HVAC engineer

Sansaire Services LLC [Khartoum branch] –MEP Contractor

Khartoum - Gamhria street, Al Khartoum, Sudan

working on Khartoum Tower ó GNPOC Head Quarter Building ó Gamhoria street.

Company Industry: MEP Engineering

Job Role: site MEP Engineering

-Monitoring and reporting site progress works of all HVAC works this

include installation of Chillers, FCU, AHU, duct system, chiller water pipes & water pumping system.. etc.
-Confirmation and inspection of approved design and specification of materials & installation works, and as install drawing..etc.
-Also assist in follow up of fire fighting and plumbing works on site.
- monitoring site progress, detection of difference in shop drawing and actual site installation and recording it in the as installed drawing also, picking up of quantities of materials etc.

Feb.2000 ó Dec. 2000:

Assistant Mechanical Engineer

Sanoussi Trading and Contract co.

Khartoum -Riyad, Al Khartoum, Sudan

Job Role: Engineering

assistant draft engineer with aids of computer skills, works assessment and costing engineer

Education

July 1999:

Khartoum University

Bachelor's degree in Mechanical Engineer - Khartoum University - Faculty of Engineering and Arch. - Mechanical Department

Dec. 2012:

Master Degree in Renewable Energy Technology óKhartoum University - Faculty of Engineering - Mechanical Department
Thesis : A Hybrid Solar /Conventional Heating System for an Absorption Chiller

Professional Certificates

LEED AP BD+C – LEED AP O+M

Courses

- ASHRAE learning Institute -Design of High Performance Healthcare.
- ASHRAE learning Institute HVAC Design course -I & II -Nov.2015
- LEED GA preparation course
- Plumbing Design & Cods
- Fire Fighting Design & Stander
- Primavera P6 - Sudanese Centre for Engineering and Environmental Studies
- RMP Sudanese Centre for Engineering and Environmental Studies SEES
- Project management .PMP.Axecnt
- Design & Operation of air conditioning & Refrigeration system -
- Consultative Selling Skills
- Negotiation Skills Program
- Multi V system design óVRF from LG electronics (LG Academy Dubai)
- Heating ventilation & air conditioning design& drafting per ASHRAE From Institute of Piping Eng.& Building Services(IPEBS óIndia)

Skills

Skill	Skill Level	Years of Experience	Last Used
Computer office program	Expert	More than 10 years	Present
AutoCAD program	Expert	More than 10 years	Present
Primavera P6	Intermediate	Less than 1 year	4 months or less
Revit MEP	Intermediate	Less than 1 month	Present

Memberships

Organization	Membership/Role	Member Since
Sudanese Engineering Council	Engineering Specialist Member	September 2013
Project Management Institute USA	Individual member	October 2012
Sudanese Engineering Society	Full membership	December 2012
ASHRAE	MEMBER	November 2015

Personal Skills:

- ❖ Planning Skills
- ❖ Project Management
- ❖ Procurement & Engineering knowledge
- ❖ Team Leadership
- ❖ Supervisory Skills
- ❖ Negotiation Skills
- ❖ Selling Skills

Profile:

*Expertise in Design of heating, ventilation, air-conditioning, and refrigeration systems residences and commercial Building, also Plumbing and Fire Fighting.

* 15+ yearø veteran as a design HVAC Engineer.

Core Competencies:

- * **Acknowledged of Green Building**
- * Expert in CAD application software.
- *High level of accuracy - attention to details.
- *Analytical skills -complex problem solving.
- * Learning agility and decision making ability .
- *Excellent communication , managerial and interpersonal skills.
- *Instant in cutting-edge of technology and engineering .
- *Customer service orientation - active listener .