

CURRICULUM VITAE

AHMED MOHAMED NASSER



Date of birth: 1972-11-08

Marital status: Married

Mobile: +46727327787

E-Mail: ah.nasser4@gmail.com

Emausgatan 47B, Lgh 1102
72221 Västerås,
Sweden

Profile

More than 23 years' experience in Engineering in HVAC&R field, include:

- 5 years in Ramboll Sweden, as consultant in many of HVAC projects.
- 7 years in Study and Implementation of many of the HVAC projects Especially pharmaceutical factories in Syria.
- 11 years in Design and Select all HVAC Tools and Coils - Managed maintenance, repair & troubleshooting of HVAC Equipment in Syria.
- 15 years Lecturer at Faculty of Mechanical Engineering in HVAC&R Knowledge.

Educational Background

- Swedish Council for Higher Education assessment my certificates to "**Civilingenjörsexamen**".
- 2006 Faculty of Mechanical Engineering, Aleppo University, Syria
Master of Science Degree (MSc) in HVAC
Master's degree with honors excellent rate, Research Title "**Experimental Analysis of Thermal Parameters of Air Heating and Cooling Water Coils**"
- 1998 Faculty of Mechanical & Electrical Engineering, University of Damascus, Syria
Diploma Degree in Refrigeration & Air Conditioning
Research Title "**Cryogenic Systems in liquefaction gases, Medical and engineering applications**"
- 1996 Faculty of mechanical Engineering, Aleppo University, Syria
Bachelor's Degree, Power Engineering Department

Professional Experience

From 2014 – : Consulting Engineer / Ramboll Sweden AB

From 2006 - 2013: Studies & Projects Manager / HAFEZ GROUP/ Hafez Engineering Industries - Syria

From 1996 - 2006: Engineer in Design & Study Department / HAFEZ GROUP/ Hafez Engineering Industries – Syria

From 1996 - 2006: Engineer Maintenance Department / HAFEZ GROUP/ Hafez Engineering Industries – Syria

From 1998 - 2013: Lecturer at Faculty of Mechanical Engineering - Aleppo University- Syria

Professional Knowledge Acquired

SOFTWARE:

Colmac coils, Elite Software, Psychometric Chart, Select Programs for all HVAC&R Equipment as Compressors, Coils, AHU, FC, Heat Exchangers, Heat Recovery, VRV System.....

Experience Summary

Studies & Projects Manager

- Study and implement many of the industrial HVAC projects. Particularly study and Execution of pharmaceutical HVAC projects with the requirements of **GMP** in Pharmaceutical industries, Hospitals
- Supervised Design, start up and operation of HVAC Systems in Dozens of plants as Textile plants, Universities, Private schools & Others
- Since I work in a company manufacturing HVAC equipment So practiced Design HVAC Equipment as: Air Handling Unit, Fan Coil Unit, Chillers, Coils, Condensing Unit, Cooling Towers.
- Design and Calculate Loads for many big HVAC projects
- Prepared all HVAC Layout as, Air Duct, Piping, Zoon
- Deliver projects in with the agreed scope, cost, timescales and quality Ensure adequate staffing of projects with resources to meet the demands of project needs
- To take responsibility for managing the delivery of all areas of the contract including projects, ensuring all service lines are delivered to the very highest standards.
- Responsible client relationship management
- To implement business strategic decisions as outlined by the General Manager. Also have an input to making suggestions to the General Manager of possible improvements within the business overall
- Writing Technical Reports
- Responsible for the dataset management

Managed maintenance

Repair & troubleshooting all HVAC Equipment including: Chillers, Air Handling Unit, Fan Coil Unit, Condensing Unit, Cooling Towers

Lecturer at Faculty of mechanical Engineering in:

- Refrigeration Knowledge
- HVAC Systems
- Heating, Ventilation, Air Conditions Design
- Heat transfer

Projects

2019-2021

BFS L6 - HVAC-Mech

Astra Zeneca - DPS Engineering Sweden AB, Karen Mullen, Södertälje (Stockholm), Sweden

Project and HVAC design including planning for BFS LINE 6 Astra Zeneca in Södertälje on behalf of DPS. The project relates to the relocation of new BFS line Hygien Zon as G.M.P. requirements in Astra Zeneca's buildings located in Södertälje in Snäckviken.

2018-2024

Pir G Byggnaden Arlanda - VVS

Swedavia AB, Stockholm Arlanda, Sweden

Pir G Buildings Arlanda - Designing a ventilation system, air handling units, ducts for Pir G.

2019-2020

Conversion and extension of oil filters and process extraction

SECO Tools AB, Fredrik Hellblad, Fagersta, Sweden

Renovation and extension of the supply system and central units for cooling oil systems and process extraction in house C. The design must result in a proposal where existing machinery can be replaced and / or repositioned within the factory in as efficient and rational manner as possible. In total, about 80 machines are affected by the project when the system is fully developed.

2017-2020

Arlanda T5 2050, Ports B002, Swedavia Stockholm Arlanda Airport

Swedavia AB, Michael Hultgren, Stockholm, Sweden

Mechanical engineering, Rebuilding port B002

Piping design during alterations in Ports B002 at Arlanda airport, terminal 5.

Cooling and Heating system, water system and waste water system.

2017-2020

Sliphall 88, stage 2

SECO Tools AB, Kjell Nordin, Fagersta, Sweden

Preparation of specifications for construction work for the renovation and reconstruction of ventilation systems for the upper part of the sliphall 88. New exhaust system including fan and heat exchanger, rebuilt supply air system. Flow capacity about 20 m³/s

Designing a new ventilation system, air handling units, textile ducts, heating and cooling pipes for coils in AHUs.

2016-2020

Arlanda T5 2050, Porten (NyB) VVS, Swedavia Stockholm Arlanda Airport

Swedavia AB, 51776 Jasmin Duru, Stockholm, Sweden

Arlanda T5 2050 Design HVAC

Piping design for new building (PORTEN) at Arlanda airport, terminal 5.

Flow charts, Cooling and Heating system, water system and waste water system.

2015-2020

SÖS BY70

Gunnar Karlsen Sverige AB, Johan Nilsson, Stockholm, Sweden

Air treatment installations. Flow charts, Piping design, select chiller machine & its accessory.

2019

FUP DPS / Astra Zeneca Snäckviken

Astra Zeneca - DPS Engineering Sweden AB, Cathy White, Stockholm (Södertälje), Sweden

Project and construction management including planning for Astra Zeneca in Södertälje on behalf of DPS. The project relates to the relocation of all toilet and coffee rooms from Hygien Zon I in Astra Zeneca's buildings located in Södertälje in Snäckviken. New toilets, coffee and changing rooms for HZ I (hygiene zone) personnel are built in the same buildings on other levels outside Hygien Zon I as G.M.P. requirements. The project also includes the extension of a new stairwell with elevator.

2019-2020

Rebuilding office, House A

Epiroc Drilling Tools AB, Thomas Magnusson, Fagersta, Sweden

Rebuilding office, House A

Investigation of a ventilation system in new office spaces, conference rooms and dining hall.

2018-2019

Volvo Powertrain, Pipe connection of 3 pair of supply air units

Volvo Powertrain Corporation, Morten Lund, Köping, Sweden

Preparation of a request basis according to AB04 for connection of heating systems and borehole system to 3 existing air supply units at 10m³/s located outside the gable of workshop ship T1.

Make the design to modify the three air handling units and connect it with the cooling and heating systems in workshop T1.

2018-2019

Volvo Powertrain, as built drawings on the cooling system

Volvo Powertrain Corporation, Morten Lund, Köping, Sweden

Establishment of relationship drawings on the internal cooling system connected to the borehole layer. The cooling system covered an area of approximately 40,000m²

Drawing the cooling system pipes in the three Halls for all machines.

2018-2020

Office 4.0 Building Construction Stage 1

Österling Bygg Aktiebolag, Kjell Nordin, Fagersta, Sweden

Construction Work Planning for Office 4.0, Stage 1. Completed actions according to AB for offices, atrium and entrance. Design of air treatment systems for SEMRUM containing the technology functions especially in aseptic rooms as G.M.P. requirements.

2018-2019

Investigation borehole stage 2 - Volvo Köping

Volvo Group Real Estate Corp., Morten Lund, Köping, Sweden

Reporting rock storage zone 1 & 2, stage 2. Identification of necessary measures in the short and long term, including cost assessment for both consulting and construction costs.
Making the initial ventilation design for zone 1&2.

2018

Office 4.0 - System design

Österling Bygg Aktiebolag, Fagersta, Sweden

Establishment of system ventilation for all stages of the project.

Design of air treatment systems for SEMRUM containing the technology functions especially in aseptic rooms as G.M.P. requirements.

2017-2019

Tenant adaptation Parkschool entrance D

Hallstahammars kommun, Jori Sotala, Hallstahammar, Sweden

Adaptation of installations after planning and new Fire lines.

2017

Investigation - Rissne Tågdepå

BBH Arkitekter & Ingenjörer AB, Suzanne Jäversjö, Stockholm, Sweden

Exploration of the plumbing installations in the existing Rissne train station

2017-2018

New ventilation in the offices of the Skogsvaktaren - Atlas Copco

Epiroc Drilling Tools AB, Thomas Magnusson, Fagersta, Sweden

New ventilation in the offices of the Skogsvaktaren - Atlas Copco
Flow charts, Piping design, select chiller machine & its accessory

2017-2019

Pir B, Förbindelsegång Pir A, Pir B, Swedavia Stockholm Arlanda Airport

Swedavia AB, Nils Grundqvist, Stockholm, Sweden

HVAC Design of connection walkway Pier B, between Pier A and B Arlanda Airport

Piping design during alterations in connection between Pir A, Pir B at Arlanda airport, terminal 5.
Cooling and Heating system, water system and waste water system.

2016-2019

Arlanda T5 2050 - Pir B VVS, Swedavia Stockholm Arlanda Airport

Swedavia AB, 51776 Jasmin Duru, Stockholm, Sweden

Custom Controls / Risk Assessment / Environmental

Piping design during alterations in Pir B at Arlanda airport, terminal 5.

Flow charts, Cooling and Heating system, water system and waste water system.

2016-2017

Energy Impact grinding hall 88

SECO Tools AB, Kjell Nordin, Fagersta, Sweden

Energy Impact grinding hall 88

Designing a new ventilation system, air handling units, textile ducts, heating and cooling pipes for coils in AHUs.

2016-2017

HVAC design, Ringön - Gothenburg

BBH Arkitekter & Ingenjörer AB, Suzanne Jäversjö, Göteborg, Sweden

Supply and installation of all air conditioning and refrigeration equipment

Make zones design and select AHUs, air conditioning and refrigeration equipment.

2016-2019

C4:13 Ultuna BH

Akademiska Hus AB, Elin Ehrengren, Uppsala, Sweden

The assignment included the design HVAC, Control and External VA to the renovation of a building constructed in 1872. The premises were adapted for Uppsala Folkhögskola.

Drawing as-built layouts (Relationsritningar) for ventilation and piping.

2016-2018

Adaptation of Heltågsverkstad, Hagalund

Jernhusen AB, Bengt Johansson, Stockholm, Hagalund, Sweden

Preparation of construction documents for the performance contract regarding plumbing technical ventilation and piping systems. Existing building, called Heltågsverkstaden, extended about 50m with 2 slots for service and maintenance of SJ's Atlas Automotive. Workshop premises is performed with low floors and trace graves. A lower side building houses offices, WC and maintenance areas. Drawing as-built layouts (Relationsritningar) for ventilation and piping.

2016

Adjustment Heltåg Extension

Jernhusen AB, Bengt Johansson, Stockholm, Hagalund, Sweden

Establishment of the program of action for Heltåg Tillbyggnad
Drawing as-built layouts (Relationsritningar) for ventilation and piping.

2015-2017

Ramp E Arlanda

Swedavia AB, Patrik Dahlgren, Arlanda, Sweden

Work with architectural plans for new transfer area (Ramp E Arlanda).
Flow charts, Piping design, select chiller machine & its accessory.

2015-2017

Södersjukhuset Byggnad 74

Gunnar Karlson Sverige AB, Johan Nilsson, Stockholm, Sweden

Design of air treatment systems for a new construction building containing the technology functions for the entire Södersjukhuset. The project is a partnering mission where Locum procured NCC as a partnering contractor. New construction: 11.000m².
Design of air treatment systems for a building containing the technology functions especially in aseptic and operating rooms as G.M.P. requirements.
Select Air handling units, Laminar flow for clean areas, Flowcharts
Load and Flow calculation for air and water.

2015-2016

Seco Tools Stjärnverktyg, Norberg - new air handling units

SECO Tools AB, Mia Turai, Norberg, Sweden

Preparation of tender documents on the new air handling units to be docked to the existing system. New air ducts to the offices and dressing rooms. Heating and cooling for airhandling unit batteries. Design of air treatment systems for a building containing the technology functions especially in aseptic and operating rooms as G.M.P. requirements
select Air handling units, Laminar flow for clean areas, Flowcharts
Load and Flow calculation for air and water.

2015

Investigation of new free cooling intakes in Lake Mälaren, establishing flowchart

Mälarenergi AB, Martin Ringqvist, Västerås, Sweden

Investigation and design of new free cooling intakes in Lake Mälaren. The capacity be upgraded to 550 l/s and the pipeline to the Lake Mälaren should extend to about 1 km. Existing seawater system must be documented and a flowchart e should be drawn. Investigation and design of free cooling intakes in Lake Mälaren and connect it to current system with chillers. Calculate the new water flow and pressure drop in pipe, Draw new flow charts for complete system

2015

Investigation of problems with the indoor climate, Hammer Line Building A

Epiroc Drilling Tools AB, Thomas Magnusson, Fagersta, Sweden

Investigation of problems with the indoor climate, Hammer Line Building A
Designing a new ventilation system, supply and exhaust ducts for AHUs.

2015-2017

Design of ventilation throughout the building B, Analysis Lab exception

SECO Tools AB, Tobias Hjortvall, Fagersta, Sweden

Design of ventilation throughout the building B, Analysis Lab exception
Design air treatment systems for a building.
Select Air handling units, Flowcharts, duct design.

1998-2002

HVAC design, Oubari for Pharmaceutical Industries

Oubari Company, <http://www.oubari.com>, Syrian Arab Republic

Supply and installation of all HVAC and refrigeration equipment
factory area 50000m² more than 100 Air handling units.

▪ Scientific Articles Published

2009 Journal of Engineering Technology, Syria
"Control and Monitoring in Large Engineering Projects By DANFOSS Tools"

2007 Journal of Engineering Technology, Syria
"Heat Recovery in HVAC System"

2005 Journal of Research, Aleppo University, Aleppo, SYRIA
"Thermal Performance of Air Heating and Cooling Coils in Air Conditioning Equipment"

Languages

- **Arabic:** Native
- **English:** Good Read, Spoken & written
- **Swedish:** Beginner

General Skills

- Advanced time management, problem solving, decision-making, and communication skills
- Ability to work in team and individually
- High adaptability & Flexibility
- Fast learning and easy teamwork

Activities & Conferences

- 2013 Aleppo University, Aleppo, Syria
Member of committee to prepare the job descriptions and study plans for applied engineering college (HVAC&R department)
- 2011 Engaging youth project – UNRWA, Aleppo, Syria
Lecturer in " Refrigerators and Air-Condition Course" (150 Hours)
- 2006 Aleppo University, Aleppo, Syria
- **Lecturer in "Refrigeration Technologies and Solar Energy Conference I – II - III"**
- 2012 **Lecture about "Syrian Code for Heat Isolation"**
Alraqqa Engineers Association, Alraqqa, Syria
Lecturer in the Fifteenth Week of Engineering Sciences
Idlip Engineers Association, Idlib, Syria
Lecturer in HVAC Systems Courses & in Refrigeration Equipments Courses
Tishreen University, Lattakia, Syria
Lecturer in " Improving the efficiency of industrial plants and the preservation of the environment Conference I"
Derelzor Engineers Association, Derelzor, Syria
Lecturer in HVAC Systems Courses
Aleppo Chamber of Industry, Aleppo, Syria
Lecturer in HVAC Systems, Heat Exchanger Design
Aleppo Engineers Association, Aleppo, Syria
Lecturer in HVAC Systems, Air Duct Design

Training & Courses

- 2015 **SSG Entre Basic training course.**
- 2015 **MagiCAD HVAC for AutoCAD.**
Mena Chapter (Egypt), Aleppo Chamber of Industry, Aleppo, SYRIA
- 2012 **PMI Certificate, Project Management Professional (PMP Course, 44 Hours)**
PHARMESTER Training Center, Aleppo, Syria
- 2010 **Aseptic Manufacturing Facility Design and Supporting Systems in GMP Requirement**
The Engineers Training Center, Engineers Association, Amman, JORDAN
- 2008 **Good Manufacturing Practices (GMP) in Pharmaceutical Industries**
Training Center (MTC), Aleppo, SYRIA
- 2008 **Diploma in Neuro-Linguistic Programming (NLP)**
- 2007 **Job Stress Management**
Executrain Center, Aleppo, SYRIA
- 2008 **Effective Management**
- 2007 **The 7 Habits of Highly Effective People**
Syrian-European Business Center (SEBC), Aleppo, SYRIA
- 2009 **Brain Fitness of Optimized Leadership Performance**
- 2007 **Project Management Skills**
- 2007 **Administrative Contracts and Awarding Tenders**
- 2001 **General Management Skills**
- 2000 **Developing a Business Plan**
- 2000 **Customer Care Skills**
- 1999 **Marketing Management**
- 1999 **Sales Management**
Aleppo Chamber of Industry, Aleppo, SYRIA
- 2006 **Electronic Trading**
- 2006 **Teamwork Management**
Environment Ministry, Aleppo, SYRIA
- 2004 **Good Manufacturing Practices using New Refrigerants**
Akeel Center, Aleppo, SYRIA
- 1999 **Industrial Control for HVAC System**

***References: AVAILABLE UPON REQUEST**