

Contact

www.linkedin.com/in/

Top Skills

Microsoft Office

AutoCAD

Engineering

Languages

English (Full Professional)

Persian (Native or Bilingual)

German (Limited Working)

Rennie Hulscher

Lead Utilities Engineer @ Chemengineering International | Project Engineering, HVAC & Energy

Austria

Summary

An experienced Mechanical & Building Services Design Engineer with a demonstrated history of working on multidisciplinary construction projects in Industrial, Semi-Industrial, and Commercial fields. Interested in sustainability, energy optimization, modeling, and new technologies. Self-motivated, team worker and coordinator, always keen to learn and develop new skills. An autodidact, reliable, punctual, and problem solver.

Experience

Chemengineering Group

Lead Utilities Engineer

February 2022 - Present (2 years)

Vienna, Austria

SCHOTT Production expansion at the Lukácsháza plant (5000 sq. m), Hungary

- Senior HVAC and Utilities Design SME and Project Coordinator

Lonza Sampling Booth Cabin (60 sq.m), Switzerland

- Senior HVAC and Utilities Designer

Middle East Water and Environment

Senior Mechanical & HVAC Engineer

October 2019 - January 2022 (2 years 4 months)

Tehran Province, Iran

Seawater Reverse Osmosis Desalination Plant (200~1000 Million Lit/day)

- Detailed Design of the HVAC systems (Electrical, Control & ... Rooms)
- Mechanical & Piping Basic Design Peer Review

Mellat Cineplex

Senior HVAC Designer

May 2019 - October 2019 (6 months)

Tehran Province, Iran

Mellat Cineplex

- Planned and supervised the HVAC systems for 8 new mini-halls in a Cineplex.
- Examined and evaluated the HVAC components of the building after years of operation.
- Proposed a renovation and expansion plan report.

Negin Shahr Ayandeh (NESHA)

MEP (Mechanical & Plumbing) Senior Engineer

February 2017 - April 2019 (2 years 3 months)

Tehran Province, Iran

Iran Mall West Expansion Project

- Coordinated the MEP Peer Review team and other aspects of projects (architects, consultants, and managers)
- Collaborated with international architects and consultants from NORR Group UAE, WSP Global UK, PAN Partners UK.
- Collaborated in a BIM (Building Information Modeling) team and designed the building services in Revit's platform alongside other disciplines.

Middle East Water and Environment

10 years 6 months

Piping and Building Services Engineer

September 2006 - February 2017 (10 years 6 months)

Tehran, Iran

- Collaboration with architects, engineers, and clients in multi-disciplinary projects.
- Engineering documents peer review
- Building Services design and supervision in residential, commercial, and industrial buildings under ASHRAE standards and other applicable building codes
- Heating and cooling load calculations by HAP (Hourly Analysis Program) Software and Revit MEP
- HVAC system selection and layout design
- Ductwork and piping design for HVAC and other utilities
- HVAC and plumbing plans and sections generation in AutoCAD
- HVAC and plumbing 3D Model generation in Revit MEP
- Firefighting facilities design according to NFPA standards
- Pipeline and water network design and modeling
- Drawing, specification, cost estimation, bill of materials, tender documents, and tasks order preparation

- Skilled at working with Auto CAD, Revit MEP, Plant 3D, HAP (Hourly Analysis Program) for HVAC, Autodesk CFD, PVSyst (Solar Farm Design), and Office
- Qualified at working with Delta Q, EPANet, FlowMaster

Mechanical Building Services Designer

April 2011 - January 2017 (5 years 10 months)

Tehran, Iran

Copper Tube Production Plant

- Aligned the utility and building services teams.
- Collaborated with the international manufacturers to meet their utility needs.
- Designed required utilities essential in the production line, including water cooling systems for different types of machinery in various states of flow, temperature, and pressure.
- Planned the HVAC and plumbing of the plant.
- Supervised the building services installation and commissioning.

Piping & HVAC Engineer

2012 - 2014 (2 years)

Tehran, Iran

- Detailed Design of the HVAC systems (Electrical, Control & ... Rooms) and Piping Peer Review

Junior MEP Designer & Supervisor

December 2006 - June 2009 (2 years 7 months)

Tehran, Iran

Mahan Air Heavy Maintenance Hangar

- Designed utility requirements and HVAC for the Maintenance Hangar and Annex buildings. For example, clean rooms for electrical device maintenance, painting workshop, seat and carpet workshop, battery room, cold room

Tanvir Bana

Junior MEP Designer

March 2009 - February 2010 (1 year)

Tehran, Iran

Police Force Entertainment Complex

- Performed the heating and cooling load modeling.
- Designed the mechanical building services.

Education

K. N. Toosi University of Technology

Master's Degree, Mechanical Engineering, Energy Conversion · (2011 - 2014)

K. N. Toosi University of Technology

Bachelor's Degree, Mechanical Engineering, Heat and Fluids · (2002 - 2006)

NODET Students (Sampad)

High School · (1998 - 2001)