

Sakineh Jafar Zadeh Afshari

Energy and building services engineering (M.Sc.) | Building services design, building simulation and building physics

Düsseldorf | kontakt@afsharie.com | linkedin.com/in/afsharisj · Complete CV with contact details on request
Available immediately · Work permit for Germany in place

PROFILE

M.Sc. Energy Efficient and Environmental Building Design, focused on building energy concepts, systems simulation and renovation strategies. Professional experience in architectural design and as a construction project manager, covering technical and commercial project management, budget and schedule responsibility and client contact. Design and sizing of ventilation and hydronic heating systems from university projects, complemented by CAD-based building modelling (Revit, AutoCAD). Main areas of work are building services design, building simulation and building physics, and energy retrofit.

CORE COMPETENCIES

Building services (HVAC)	Design and sizing of ventilation and hydronic heating systems (university projects); interest in the design of heating, ventilation and cooling systems
Project management	Technical and commercial project control, budget and schedule planning, cost and progress monitoring, site supervision and subcontractor management, quality assurance, tendering, interdisciplinary coordination, client and stakeholder communication
Simulation and building physics	IDA ICE, EnergyPlus (Honeybee/Grasshopper), ClimateStudio; thermal bridges, hygrothermal simulation (WUFI, Heat2), moisture safety; energy balancing, model calibration (ASHRAE Guideline 14), retrofit concepts
Life-cycle assessment and sustainability	Life-cycle assessment (LCA), EPD generation with One Click LCA and OpenLCA; working knowledge of DGNB, BREEAM, LEED
Cost effectiveness	Payback calculation, ROI, IRR, cost of conserved energy, feasibility studies, life-cycle cost analysis (LCC); German funding programmes BEG, KfW, BAFA (basic knowledge)
CAD and BIM	Revit, AutoCAD, Rhino, Grasshopper, MS Excel
Standards and regulations	EPBD, MEPS; introductory knowledge of GEG

PROFESSIONAL EXPERIENCE

Construction Project Manager

PHEDCO, Iran | May 2016 – November 2023

- Leading design and construction projects
- Coordinating multidisciplinary teams
- Technical communication with clients and stakeholders
- Preparing and monitoring project budgets, schedules and progress reports

Architectural Designer

Behnam Fane Jonoob, Iran | August 2013 – January 2016

- Design work in a team under the supervision of a project architect: site analysis, developing design concepts through to the technical design of residential and educational buildings
- 2D and 3D design, modelling and visualisation
- Façade design using climate-appropriate and energy-efficient materials

Assistant Construction Supervisor

AKI & KKO, Iran | February 2010 – August 2013

- Managing subcontractor performance and monitoring construction quality
- Tracking construction progress and preparing progress reports
- Ordering and scheduling construction materials

SELECTED ACADEMIC AND PROFESSIONAL PROJECTS

Building services design, Alnarp Research Hub | Lund University, 2025

- Design and sizing of a high-efficiency ventilation system with heat recovery and of a hydronic heating system for a research building
- Air change rates derived from use profiles, coordinated with building services, daylight design and the envelope

Master's thesis: Energy renovation of non-residential buildings | with Zerotide AB, 2026

Awarded the Miljöfond scholarship of Sveriges Ingenjörer.

- Assessment framework for retrofit measures in the context of the EU EPBD and MEPS; grade 4.8/5.0
- Parametric building and systems simulation with EnergyPlus (Grasshopper/Honeybee), model calibration to ASHRAE Guideline 14
- Economic assessment and prioritisation of measure packages (payback, CCE, ROI, IRR); published at lup.lub.lu.se/student-papers/record/9230933

Passive house and retrofit concepts | Lund University, 2024 – 2025

- Building physics simulations (thermal, energy, hygrothermal with WUFI) and thermal bridge calculations
- Assessment of retrofit packages combining ventilation, envelope and photovoltaics through energy simulation and cost analysis

EDUCATION

M.Sc. Energy Efficient and Environmental Building Design

Lund University, Sweden | 2024 – 2026 | final grade 4.8/5.0

B.Sc. Architectural Engineering

Shiraz University, Iran | 2002 – 2006

CERTIFICATES AND FURTHER TRAINING

- EPD Generation with One Click LCA, 2025
- Construction LCA with One Click LCA, 2025
- IDA Indoor Climate and Energy, EQUA Simulation AB, 2024
- nZEBRA Summer School, Halmstad University / Erasmus+, 7.5 ECTS, 2026

LANGUAGES

German	A2, actively and continuously improving
English	Full professional proficiency, IELTS 7.5
Persian	Native