Muhannad Elmannae

10551 Berlin melmannae@gmail.com +49 176 6160 6368

Registered architect with 11 years of experience across the HOAI work stages and a certified Scrum Master, currently working as BIM manager, consultant and project manager on rail infrastructure projects. Experience from building construction to infrastructure, with a strong interest in innovation, technology, sustainability and automating digital planning processes. Clear, open communication in German, English and Arabic.

Professional Experience

05. 2025 - present — BIM consultant/manager, project manager

SOCOTEC Ingenieure AG

Berlin

-S5 Ost: i2030

BIM consulting for the client (DB InfraGO) during project preparation: defining the BIM goals and use cases, tailoring the scopes of services (incl. surveying) and the template EIR and BEP, evaluating the BEP offers against the scoring matrix, monitoring how the BEP is applied, checking 139 discipline models and coordinating between client and contractors.

-UW Wittenberge

BIM management for a new traction power substation (DB Energie, stages 5–9): updating BIM goals, use cases and the BEP, supporting the tender and bid evaluation with the BIM method, model-based design reviews, reviewing and approving the models, handover to the asset owners.

07. 2019 - 02. 2025 — Lead architect, BIM manager, VDC admin

Architekten Ingenieure PSP

Hamburg

-Airbus A400M BMS Wunstorf

Design and construction planning of the Airbus A400M BMS on a military base (45,667 m² GFA, construction cost approx. €201 m, DGNB Gold). Leading the BIM coordination meetings to produce clash-free models, automating the transfer of building services into the architectural drawings, moving the 2D planning into BIM modelling, leading the formwork drawing review, and coordinating external specialist planners across disciplines.

-ZAL extension (Center of Applied Aeronautical Research)

Revising stage 2 with three design options for the client's approval, coordinating the specialist planners to produce a clash-free BIM model for the building permit, adapting stage 5, and independently taking off quantities for the construction drawings and preparing the bill of quantities (8,608 m² GFA, construction cost approx. €42 m).

07. 2015 - present — Architect, BIM manager, project manager, designer

Self-employed

Berlin

-Das Baumhaus

Coordinating with the client, analysing the client's needs and translating them into the design, working with specialist planners on services for 461 m² GFA (single-family house and coworking space), revising and integrating the specialist drawings, quantity take-off and cost estimate.

-IFC-Attributprüfer

Concept and development of an offline tool that checks IFC models against the client's attribute requirements.

07. 2013 - 10. 2017 — Project architect, VDC admin

Fahras Architects

Tripoli, Libya

-NAAS House

Site studies and continuous coordination with the client for a single-family house (198 m² GFA), cost estimate, room programme and visualisation, plus a first BIM coordination with specialist planners as a test of the method.

-Alswany Shopping Centre

Concept and option development for the site plan and main building of a shopping centre (2,463 m² GFA), including a construction cost estimate.

Education

M.A. Architecture

Hochschule Anhalt (DIA), Dessau

Germany

2017 - 2019

B.Eng. Architecture and Urban Planning

Al Zawiya University, Libya

2009 - 2015

Skills and Competencies

Languages

Arabic, English, German

CAD, BIM, AI

Revit, Archicad, Rhino/Grasshopper, AutoCAD, BIMcollab, Solibri, Navisworks, ACC, Desite, automation: Python, Dynamo.

AI tools: ChatGPT, Claude, Gemini and Midjourney.

Presentation

3ds Max, Adobe Creative tools (Ps, Id, Ai, ...), UX/UI design, Figma.

Competencies

Communication skills, intercultural competence, initiative, reliability, analytical and problem-solving skills, independent working, Scrum methodology.

Interests

Photography, bouldering, fitness, cycling, reading, gardening, cooking.