



HOMAYOUN MOZNEB, M.Sc.

SENIOR STRUCTURAL ENGINEER · ZAGROSIA

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EDUCATION

M.Sc. Structural Engineering
Isfahan University of Technology
Iran, 1990 - 1993

B.Sc. Civil Engineering
Mashhad University
Iran, 1985 - 1989

CERTIFICATIONS

- Structural Engineering Certificate (SEABC), 2019-2022
- Construction Operation Certificate, BCIT, 2018-2019
- P.Eng. Candidacy - Ethical Law Exam Completed, File Under Review at EGBC

TECHNICAL SKILLS

- SAP2000, ETABS, SAFE, STAAD Pro, RISA-3D, Mathcad, AutoCAD (2D/3D), Revit Structure, Tekla Structures
- Seismic analysis, Performance-based design, 3D Modeling, FEM, Load rating, Code compliance
- NBCC, CSA, ACI, AISC, ASCE, ASTM
- MS Office, Bluebeam Revu, MS Project, Technical documentation, QA/QC
- Marine structures, Underwater channels, Racking systems, Steel connection detailing

PROFESSIONAL SUMMARY

Senior Structural Engineer with over 30 years of experience leading the design, analysis, and project management of marine, industrial, commercial, and residential structures across Canada and internationally. Currently a Professional Structural Designer at I3 Building and Science Consulting Inc., with a proven record of delivering complex projects, from underwater channels and reactor domes to high-rise repairs and racking systems, under stringent code and quality regimes. Expert in steel, concrete, wood, and masonry, including seismic and performance-based design. Former CEO of two structural design firms in Iran.

WORK EXPERIENCE

I3 BUILDING AND SCIENCE CONSULTING INC. | Vancouver, BC
Professional Structural Engineer

May 2019 - Present

- Lead structural design for residential, industrial, and institutional projects — high-rise repairs, car elevators, racking systems, and steel access bridges, using Revit, AutoCAD, SAP2000, and ETABS.
- Produce 3D models, structural drawings, and FEM calculations; collaborate with architects, designers, and project managers on multidisciplinary teams.
- Manage projects from concept to completion, ensuring full code compliance, quality, schedules, and budgets.

SHAHAB TANDISAN CO. & HERAMMEHR CO. | Iran
CEO & Senior Structural Engineer

2003 - 2017

- Led the firm and structurally designed all buildings across 8+ mid-size to large residential and commercial projects, focusing on sustainability and seismic resistance.
- Coordinated multidisciplinary teams, schedules, and resources to deliver projects on time and within budget.
- Managed bid preparation, contracts, regulatory approvals, and post-contract activities while monitoring project costs and progress.

BUSHEHR NUCLEAR POWER PLANT | Iran
Head of Civil & Structural Department

1995 - 2002

- Oversaw design and construction of critical concrete structures, including the reactor dome, concrete chimneys, and underwater channels.
- Spearheaded repair and restoration of war-damaged land-based and marine structures, including inshore structures and underwater channels.
- Managed large multidisciplinary teams under strict quality and safety regimes; supervised the outlet channel for the third water circuit.

PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING CO. | Iran
Structural Designer

1993 - 1995 & 2002 - 2003

- Designed steel and concrete structures for petrochemical projects, including foundations for rotary equipment and pipe racks.
- Prepared shop fabrication drawings, conducted field reviews, and produced technical reports.