MOHAMMAD BALOUCHI, PhD

Lean Construction & Project Controls Consultant — GCC & Middle East

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Profile

Construction management consultant with **15+ years** of hands-on experience on complex building megaprojects, including **30+ engineering contracts** on the Iran Mall project. I help contractors, developers and investors deliver on time and on budget through **Lean Construction (Last Planner® System, Takt planning)**, rigorous **project controls (Primavera P6, EVM, delay analysis)** and knowledge management. PhD in Construction Management; assistant professor; fluent working language: English; available for remote advisory worldwide and short on-site engagements across the GCC.

Core Competencies

- Lean Construction — Last Planner® System, PPC, Takt planning, 5S, VSM
- Delay analysis, claims support and dispute mitigation
- Contract management — 30+ engineering contracts (Iran Mall)
- Knowledge management systems design & deployment
- Scheduling & Project Controls — Primavera P6, MS Project, EVM
- PMBOK & PRINCE2 frameworks, QA and risk management
- BIM implementation advisory; AutoCAD, Revit, SPSS, MATLAB
- Executive training and workshops (multicultural teams)

Professional Experience

R&D and Knowledge Management Supervisor — Kayson Int'l Construction Co., Tehran
Sep 2010 – Present

- Led 15+ corporate R&D projects and produced 10 formal technical packages aligned with organizational needs.
- Designed and deployed the corporate knowledge-management system across 10+ projects.
- Advised project teams on emerging technologies: BIM, Lean Construction, IoT and AI.

Engineering Contracts Consultant — Iran Mall project (Kayson), Tehran
Sep 2014 – Oct 2015 · one of the world's largest shopping megaprojects

- Managed 30+ engineering contracts, ensuring compliance with legal standards and client requirements.

Project Management Consultant — Nikray Engineering & Construction, Tehran
Oct 2020 – Mar 2021

- Deployed customized project frameworks for luxury developments, raising operational efficiency by 30%.
- Delivered executive training on PMBOK and PRINCE2; portfolio completed with zero delays.

Assistant Professor — Civil Engineering Department, Semnan University
Aug 2023 – Present

- Publishes research on contemporary construction-management issues; supervises graduate dissertations.

Technical Office Manager — Sazandab Engineering & Construction, Tehran
Apr 2008 – Sep 2010

- Supervised design teams on upscale projects; streamlined technical processes, cutting rework by 20%.

Education

PhD, Construction Management & Engineering — Semnan University, 2019

M.Sc., Civil Engineering — Isfahan University of Technology, 2007

B.Sc., Civil Engineering — Amirkabir University of Technology (Tehran), 2004

Licenses & Professional Memberships

Professional Engineer (PE) License — Grade 1, Iranian Construction Engineering Organization, 2009 · Iranian Committee on Large Dams (IRCOLD), 2011 · Iranian Concrete Institute (ICI), 2013 · Iranian Project Management Association (IPMA), 2016

Languages

Persian (native) · English (fluent) · Arabic (intermediate) · Italian (basic)

References available upon request.