

CURRICULUM VITAE



Nigel J. Elero

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Professional Profile

Senior Civil and Structural Engineer with 29+ years of experience delivering landmark projects across Saudi Arabia, GCC, UAE, and the Philippines. Proven expertise in **structural design, site execution, and consultant representation** for high-rise towers, airports, oil & gas facilities, and government developments. Skilled in structural analysis, project supervision, and multidisciplinary coordination. Strong track record with clients including **Aramco, SABIC, KAUST, SATORP, MODA, MOI, GACA, Nakheel, and Megaworld**. Targeting **senior engineering roles** in Saudi Arabia and GCC.

Core Skills

- **Structural Engineering & Supervision:** Civil/structural execution, QA/QC, compliance with international codes and specifications, consultant representation, and site troubleshooting.
- **Design & Analysis Software:** STAAD.Pro, ETABS, SAP2000, SAFE, CSI Column, STAAD Foundation, Autodesk Robot Structural Analysis, Prokon.
- **Drafting & BIM Tools:** AutoCAD, Autodesk Revit (design documentation, BIM modeling), Navisworks (clash detection, 4D simulation), MicroStation.
- **Visualization & Rendering:** Lumion, Twinmotion, AI-assisted visualization tools (conceptual image and video generation for project presentations).
- **Documentation & Reporting:** Microsoft Office Suite (Word, Excel, PowerPoint), workflow optimization, technical reporting, and process benchmarking.

Key Projects & Experience

Zuhair Fayeze Partnership (Saudi Arabia)

Senior Civil / Structural Engineer | Aug 2022 – Nov 2025

- **Housing Project – Saudi National Guard, Riyadh (SAR 4.5B)**
 - Represented consultant at site, supervising civil/structural works and ensuring compliance with drawings/specifications.

- Reviewed RFIs, resolved conflicts, and coordinated across disciplines to maintain progress and quality.
- Prepared detailed site reports, tracked milestones, and ensured timely issue resolution.
- **King Saud Airport Development – Al Baha (GACA) | Jun 2021 – Jul 2022**
 - Reviewed IFC/shop drawings, coordinated with MEP/architectural teams, and validated structural calculations using ETABS/SAP2000.
 - Assessed material submittals, monitored site progress, and participated in weekly client/contractor meetings.
- **Supporting Buildings – Nabaniyah, Qassim (MODA) | Jul 2020 – May 2021**
- **International British & American School – Al Khobar (Ibhar Albena Real Estate) | Jul 2019 – Jun 2020**
- **Training Facilities – Eastern Region (Ministry of Interior) | Feb 2019 – Jun 2019**
- **Strategic Missiles Force – Tabuk (MODA) | Oct 2016 – Jan 2019**
- **Training Facilities – Eastern Region (MOI) | Feb 2011 – Sep 2016**

(All roles involved consultant representation, site supervision, QA/QC, material testing, and handover inspections for major government and defense projects.)

ZFP – Engineering Design Office (Al Khobar)

Civil / Structural Engineer | Jul 2007 – Feb 2011

- Designed tower steel structures and shelter systems for Long Range Detection installations – **Aramco Projects.**
- QA/QC reviews for KAUST Town Center – **Aramco Project.**
- Structural design of DAMAC 40-storey high-rise – **DAMAC Project.**
- Supervised contractor works at Khursaniyah & Khurais Oil & Gas Facilities – **Aramco Projects.**
- Consultant representative for Down Syndrome Center (8-storey) – **SABIC Project.**
- Designed piperacks/platforms for Shaybah facilities – **Aramco Project.**
- Involved in Jubail Export Refinery (Packages 9 & 5C) – **SATORP Projects.**
- Foundation design for Maintain Potential Project – **Aramco Project.**

Earlier International & Philippine Experience

Kocache Decoration & Contracting – Dubai, UAE Structural Site Engineer | Mar 2005 – Apr 2006

- Supervised structural and interior works for **Palm Jumeirah – Shoreline Apartments (B+G+13)**, one of Dubai's largest landmark developments by **Nakheel**.
- Coordinated subcontractors, managed site execution, and conducted punch list inspections to ensure readiness for handover.

Megaworld Corporation – Philippines Project Engineer | Apr 1997 – Jan 2005

- Delivered multiple **high-rise residential towers** including **45-storey Wack Wack Heights** and **34-storey Greenbelt Radissons**, plus subdivisions and mid-rise projects in Metro Manila.
- Oversaw site execution, procurement, contractor coordination, and quality control for large-scale urban developments.

Other Roles (1994–1997, Philippines)

- **William Golangco Construction** – Cost Engineer (estimation, monitoring).
- **Grepac Construction** – Field Engineer (Duty Free Philippines).
- **Eigentech Engineering Consultancy** – Junior Engineer (structural analysis/design support).

Education

Bachelor of Science in Civil Engineering | National University – Philippines | 1994

Trainings / Certificate

- STAAD.Pro (2005)
- Total Quality Management (1999)
- Foundation Engineering & Steel Design (1992)
- Estimate/PERT CPM & Solid Waste Management (1993)
- Project Management Institute (PMI) – Arabian Gulf Chapter Member ID #1240192 | Al Khobar,

Languages

- English – Fluent
- Filipino – Native
- Arabic – Basic conversational