ASHRAF EZZAT MOURES KAMEL

BIM Coordinator | BIM Infrastructure Engineer

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Summary

A results-driven BIM Coordinator and BIM Infrastructure Engineer with 5 years of progressive experience in managing large-scale road, highway, and utility network projects across Saudi Arabia (e.g., Qiddiya, KAP). Specialized in BIM Management, leading design teams, and strictly implementing the ISO 19650 standard. Proven expertise in developing critical BIM documentation (BEP, MIDP, TIDP), performing advanced clash detection, and enhancing models from LOD 300 to LOD 500 for construction readiness. Highly proficient in Road Design using Autodesk Civil 3D and detailed Quantity Surveying, ensuring seamless project integration and delivery excellence.

Professional Experience

BIM Coordinator & Senior Roads Engineer

Smart Engineering Consultancy (SEC) | Riyadh, KSA
April 2023 – Present

- **Qiddiya – PK.03, Gas Farm, & PK.04 Resort Core:**
  - Lead a team of road design engineers, ensuring project deliverables meet consultant (Jacobs) and client (Qiddiya) requirements.
  - Develop and manage key BIM documentation, including BEP, MIDP, TIDP, and Clash Matrix.
  - Enhance consultant-provided LOD 300 models to LOD 400 and LOD 500 for construction and as-built purposes.
  - Conduct BIM coordination meetings with stakeholders to resolve clashes and ensure seamless integration of all constructed elements.
  - Prepare and secure "Code A" approval for shop drawing samples from the consultant.
- **KAP – King Abdulaziz Park – City Park:**
  - Led the roads team in preparing shop drawings and enhancing grading surfaces according to ILF and RCRC requirements.
  - Verified the design package for compliance with KSA standards and coordinated with the consultant through technical meetings.
- **Odour Control Center – Abu Dhabi:**
  - Directed the roads team in preparing shop drawings and developing enhanced grading surfaces.
  - Verified the design package against project and local standards.

BIM Infrastructure Engineer

Kemet Corporation | Cairo, Egypt
December 2022 – April 2023

- **King Salman Park (KSA):**
  - Converted CAD FGL files into functional Autodesk Civil 3D models.
  - Enhanced Final Ground Level (FGL) designs and prepared grading for bottom layers.
  - Performed detailed quantity surveys for cut and fill volumes, contributing to accurate project estimation.

Technical Office and QS Engineer

Khalid Kandel Consultant Office (K.K.) | Cairo, Egypt
December 2021 – December 2022

- Acted as Roads Supervision Consultant for major projects including MU-11, MU-12, MU-13, MU-14, MU-15 and Link-2 in the New Cairo Capital City, and the HSR 4th Sector.
- Reviewed and verified contractor shop drawings and quantity submissions to ensure compliance with owner requirements and design specifications.
- Redesigned specific road areas to address site conditions and optimize grading.
- Designed and prepared shop drawings for the ALEX Tram project, extracting initial survey data from PDF files for tendering documents.

Education

Bachelor of Civil Engineering
Ain Shams University | Cairo, Egypt
Graduation: 2021

Technical Skills

- **BIM Software:** Autodesk Civil 3D, Navisworks, Autodesk Construction Cloud (ACC), Infraworks, Subassembly Composer
- **Design & Analysis:** Road Design, Infrastructure Design, Grading Optimization, Quantity Surveying (Cut & Fill)
- **GIS & Data:** ArcGIS Pro, GIS
- **General Software:** AutoCAD, Microsoft Excel (Advanced Data Analysis & Dashboards), Adobe Suite (Photoshop, Illustrator, Premiere)
- **BIM Standards:** ISO 19650, BIM Execution Plan (BEP), MIDP, TIDP

Certifications & Training

- Autodesk Civil 3D Professional
- BIM for Roads, Highways & Infrastructure
- ISO 19650 BIM Implementation
- ArcGIS Pro Essential Training
- Microsoft Excel – Data Analyss & Dashboards
- BIM Planning & Management (BIM Manager Role)
- Synchro Essential Training
- BIM applications for Roads, Highways & Transportation design
- BSI ISO 19650 Certified Professional
- BIM Diploma (Relevant Specialization, e.g., BIM Management/Coordination) - **NIQAT GLOBAL**

Languages

- **Arabic:** Native
- **English:** Excellent
- **French:** Fair

Soft Skills

- Leadership & Team Coordination
- Problem-Solving & Decision-Making
- Detail-Oriented & Analytical
- Excellent Communication & Adaptability
- Project Management & Workflow Optimization

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