

Ahmed Osman Fouad

Infrastructure BIM Engineer

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👤 PROFESSIONAL SUMMARY

Infrastructure Design and BIM Engineer with **4 years** of experience in the design, modeling, and coordination of wet and dry utility networks and road works across large-scale GCC projects. Skilled in BEP, ISO 19650 compliance, clash detection, QTO, and shop drawing production. Proficient in Civil 3D, AutoCAD, Revit, Navisworks, Dynamo (advanced scripting), Inventor, WaterGEMS, SewerGEMS, and ACC. Proven ability to deliver clash-free federated models, accurate QTOs, and BIM workflows that support contractors, consultants, and project stakeholders.

📁 PROFESSIONAL EXPERIENCE

Innovo Group

08/2025 – Present | Abu Dhabi, UAE

Infrastructure BIM Coordinator

- Developed a comprehensive BIM Execution Plan (BEP) and Master Information Delivery Plan (MIDP) in alignment with Aldar Exchange Information Requirements (EIR v3.0).
- Executed detailed roadwork modeling and rough grading with accurate cut and fill volume calculations.
- Ensured full compliance with ISO 19650 standards and Aldar's digital delivery protocols.
- Delivering all BIM models (Roads, Wet, Dry utilities) and their corresponding shop drawings, ensuring they are fully coordinated and clash-free before submission.

- Projects I have worked on:

- Qasr Al-Jurf (Phase 3B): [Abu Dhabi, UAE]
- Al-Sader: [Abu Dhabi, UAE]

SSH International Consultant

09/2024 – 08/2025 | Cairo, Egypt

Infrastructure Design & BIM Engineer

- Designed wet utility networks (Sewer, Storm, Water, Irrigation) using SewerGEMS/WaterGEMS, ensuring compliance with project standards.
- Developed detailed 3D utility models for wet and dry utilities and coordinated reviews in Navisworks for effective clash detection.
- Produced comprehensive shop drawings and layouts for wet and dry utilities as well as road works, significantly reducing design RFIs for construction teams.
- Automated processes with Dynamo scripts, enhancing efficiency, speeding up work, and improving accuracy in project delivery.
- Authored the Master Information Delivery Plan (MIDP) to standardize drawing production in line with ISO 19650.

- Projects I have worked on:

- Montage Wadi Safar: [Riyadh, KSA]
- S5 Development: [Sabah Al-Ahmad, Kuwait]
- Mina Al Arab Development: [Ras Al Khaimah, UAE]

BIM Infrastructure Engineer

- Prepared detailed 2D shop drawings for wet and dry utilities, ensuring accuracy and compliance.
- Modeled and delivered comprehensive utility networks (Wet and Dry) in Civil 3D, achieving LOD 450 standards.
- Automated processes with Dynamo scripts, enhancing efficiency, speeding up work, and improving accuracy in project delivery.
- Delivered a clash-free federated Navisworks model and a 4D Navisworks simulation video.

- Projects I have worked on:

- Baniyas West: [Abu Dhabi, UAE]
- BalGhaiyam: [Abu Dhabi, UAE]
- Saadiyat Lagoons: [Abu Dhabi, UAE]
- Reem Hills: [Abu Dhabi, UAE]

 **EDUCATION**

Bachelor's Degree in Civil Engineering

09/2017 – 08/2022

University Of Zagazig

- Grade: Very Good With Honors (84.6%)

Graduation Project

10/2021 – 07/2022

Sanitary Project - University Of Zagazig

- Designed a complete water cycle system (collection, purification, distribution, sewage treatment) using AutoCAD, SewerGEMS, WaterCAD, Civil 3D, and ArcGIS.
- Achieved an excellent grade; combined software design with field visits to desalination & treatment plants.

 **SKILLS**

Softwares

- AutoCAD
- Civil 3D
- Revit
- Navisworks
- Dynamo
- Inventor
- Part Builder
- ACC
- WaterGEMS
- SewerGems
- Power PI
- Microsoft Office

BIM Technologies

- Quantity Take-offs (QTO)
- Shop Drawing Production
- Sheet Set Manager (SSM)
- BIM Execution Planning (BEP)
- ISO 19650 Compliance
- Clash Detection & (4D, 5D) Simulation
- Master Information Delivery Plan (MIDP)

 **LANGUAGES**

Arabic: (Native)**English:** (Advanced)