

Professional Profile

Senior Wet Utilities Engineer (Civil) with over 15 years of experience in designing, planning, and managing major infrastructure projects across Egypt, Saudi Arabia, and the UAE. Specialized in potable water, firefighting, irrigation, sewerage, and stormwater systems. Proven track record in hydraulic modeling, master planning, and securing authority approvals. Known for leading teams, delivering sustainable solutions, and ensuring compliance with Gulf region regulations and international standards.

Core Competencies

- Wet Utilities Design & Hydraulic Modeling (WaterCAD, WaterGEMS, SewerGEMS, Civil 3D)
- Infrastructure Master Planning & Feasibility Studies
- Regulatory Compliance & Authority Approvals (Egypt, UAE, KSA)
- Project Management, Team Leadership & Stakeholder Coordination
- Technical Reports, Design Documentation & Quality Assurance

Professional Experience

Senior Wet Utilities Engineer | JulfAR Consultancy Services – UAE (Oct 2021 – Present)

- Lead the planning, design, and delivery of wet utilities and infrastructure projects across the UAE.
- Develop advanced hydraulic models for potable water, firefighting, irrigation, and sewerage networks.
- Liaise with government authorities to secure NOCs and design approvals.
- Apply British, American, and Gulf standards to ensure regulatory compliance.
- Supervise multidisciplinary teams ensuring quality and cost-effective solutions.

Key Projects:

- Developments Project from Medfaq to Shemal Roads & Infrastructure – Ras Al Khaimah Government, UAE.

Freelance Infrastructure Engineer | Egypt / KSA (Feb 2019 – Oct 2021)

- Designed and supervised wet utilities and civil infrastructure projects across Egypt and Saudi Arabia.
- Delivered sustainable solutions while coordinating with stakeholders and contractors.
- Ensured compliance with Saudi regulations and international codes.
- Managed procurement processes (design-build and design-bid-build).

Key Projects:

- Downtown GOV-2 – New Capital (Egypt).
- Diplomatic District – New Capital (Egypt).
- Marassi Resort – Mediterranean Coast (Egypt).
- Mivida – New Cairo (Egypt).
- Port of Sokhna Container Terminal – DP World (Egypt).
- Royal City Mall – Cairo (Egypt).

Senior Infrastructure Engineer | Medhat Abouzeid Consulting (MZECH) – Egypt (Jan 2017 – Feb 2019)

- Produced feasibility studies, reference designs, and detailed designs.
- Prepared technical specifications, reports, and tender proposals for regional clients.
- Delivered master planning solutions for water, sewerage, storm drainage, firefighting, and irrigation systems.
- Collaborated with multidisciplinary teams to ensure optimal designs.

Key Projects:

- Japanese University in Egypt – Full Infrastructure Design.

Senior Hydraulic Analysis Engineer | MISR Consult – Egypt / UAE (Apr 2015 – Dec 2016)

- Conducted feasibility, reference, and detailed designs for hydraulic infrastructure.
- Coordinated with clients to define project scope and deliverables.
- Managed budgets, schedules, and project documentation.
- Provided innovative solutions for water distribution and sewerage systems.

Key Projects:

- Masdar – Abu Dhabi, UAE.
- King Abdullah Economic City (KAEC) – Talah Gardens, KSA.
- Avenue's Mall – Riyadh, KSA.
- Al-Naseem – Abu Dhabi, UAE.
- Sheikh Khalifa Energy Complex – Abu Dhabi, UAE.

Hydraulic Analysis Engineer | [Abdullah A.M. Al-Khodari Sons Co.](#) – KSA (Jun 2012 – Jan 2015)

- Prepared design, workshop, as-built, and re-design drawings for sewage networks.
- Ensured compliance with QA/QC standards and project specifications.
- Supported project managers in execution and stakeholder coordination.
- Conducted monitoring and corrective measures for engineering deliverables.

Key Projects:

- Sewage Network Project Dawadmi – Phase V & IV (Riyadh, KSA).
- Sewage Network Project Afif – Phase II (Riyadh, KSA).

Hydraulic Analysis Engineer | [EnviroConsult](#) – Egypt (May 2008 – Apr 2012)

- Prepared feasibility studies, conceptual designs, and detailed engineering for water and sewerage projects.
- Carried out water resource planning, drought analysis, and water balance studies.
- Produced technical reports, design proposals, and risk assessments.
- Supported business development and tendering in the water sector.

Key Projects:

- Sewerage networks, pumping stations & WTPs in Sohag, Qena, and Nobarya (Egypt).
- Water supply network & pumping stations – El-Wady El-Gaded governorate (Egypt).
- Sewerage networks for Marg & El-Salam villages (Egypt).

Education

B.Sc. Civil Engineering – Cairo University, Egypt (2008)

Graduation Project: Public Works - Environmental & Sanitary Engineering (Grade: Excellent)

Technical Skills

- AutoCAD, Civil 3D, Navisworks
- WaterGEMS, SewerGEMS, StormCAD
- Microsoft Office Suite

Languages

Arabic: Native | English: Very Good