

**Mohamed Talaat, P.E., PMP, VMA.**  
 Design / Interface Management,  
 Project Management, and Operational Support  
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#### Profile

With **18 years of experience** in **Design and Engineering Management**, I have worked across various domains including **EPC (Engineering, Procurement, and Construction)**, contracting, and consultancy firms. My expertise extends to **Design & Build projects** and **PMC (Project Management Consultancy)** environments. Throughout my career, I have held diverse roles encompassing **Design, Engineering, Technical, Construction, Supervision, Management, Tendering, Liaising with Stakeholders, Client interactions, BIM management, and Closeout** responsibilities.

My hands-on experience involves **interdisciplinary coordination, integrated development, and interface management**. I have contributed to a wide range of project types, including **Mixed-Use Developments, Infrastructure, Buildings, Towers, and Underground Utilities** (including **Electrical Networks, Pressurized Systems, and Gravity Wet Utilities**). Additionally, I've been involved in **Power and Marine** packages, **Steel & Concrete Buildings, Tanks, Caissons, and Intakes/Outfall Pump Stations**.

My role extends beyond technical aspects. I actively engage with **Authorities and Clients**, ensuring effective communication and collaboration. As part of my commitment to professional growth, I am currently studying **FIDIC contracts administration** and exploring **sustainability** practices.

Beyond my professional pursuits, I maintain a genuine interest in **Management systems, styles, and approaches**, particularly their applications in **Business, work process improvement, work tools upgrade, digitalization, and the future of engineering**, and continuous contribution in the business and professional bodies events in-place and online for continuous professional development. I find joy in **Photography** and outdoor activities. My leadership style is rooted in **natural leadership practices**, emphasizing care for people and community.

#### Key experience

Civil Structural design  
 Infrastructure  
 Leadership  
 Communication  
 Client Liaison  
 Design Management  
 Interface Management  
 Multi-Disciplinary - Coordination  
 Delivery & Handover  
 Business Management  
 Tender Packages  
 Review & Execution of plans  
 Compliance with local regulations  
 Knowledge transfer  
 Constructability  
 Design/Engineering QA  
 Project Control  
 Contract administration  
 Deliverables Review  
 Bid Evaluation  
 Reporting  
 Value Engineering

#### Current Employment

Senior Project Manager  
 Atkins Realis, KSA

#### Nationality / Languages

**Egyptian / Arabic, English**

#### Qualifications

B.Sc. in Civil Engineering (Helwan University, Egypt, 2000-2006)  
 M.E. in Structural Mechanics & Analysis (Cairo University, Egypt, 2008-2010), formerly, (Diploma of higher studies, Postgraduate)  
 PE Civil Structural, (Kentucky State Board of Engineers and Land Surveyors, USA, 2018)  
 Practicing Engineer, Abu Dhabi Municipality (ADM), UAE  
 PMP Certification, (Project Management Institute, USA, 2022)  
 ISO 19650 BIM Management, Autodesk, 2022  
 FIDIC Contract Administration Certification (ACAREA, FIDIC Certified, 2024)  
 VMA Value Methodology Associate, SAVE International, USA, 2024

#### Professional associations

ASCE, SEI, PMI, SCE, EES

#### Experience with Atkins Realis – KSA, (Jan. 2024 up to date)

**Senior Project Manager** : For Rua Al-Madinah Holding , Program Development Office

**Fields of Service:** Civil, Infrastructure, Interface Management, Design Management, Client Liaison, Value Engineering, Contract Admin.

As a member of Program Development Office (PDO) team work hand in hand with the client's team in design review, management, coordination, liaison between the client, consultants and different stakeholders including Government agencies, prepare Request for Proposals (RFPs), change Requests, (RFC), Technical Evaluation Criteria, and perform the Technical Evaluation of the Consultant's Bids, Contribution to Value Engineering studies, scope statement and reviews, and Master Plan Compliance, through a wide range of projects and Programs including Hospitality ,Infrastructure, Roads, Traffic, Transportation, Tunnels, Wet Utilities, and Cultural Spots

#### Experience with AlNasr Contracting - UAE (Oct. 2022 – Dec. 2023)

**Technical Manager:** For Project Mirfa 2 Reverse Osmosis (M2 RO) Independent Water Project (400 M USD)

**Fields of Service:** Civil, Marine, Infrastructure, Construction, Design Management, RO Plant, Water, Tanks, Subcontractors, Power, Infrastructure, Authorities, Client Interface, EPC, PMC, Design & Build Projects

Manage the Interfaces between the company and client, PMC, and authorities for permits / NOCs, Design consultant, Owner's Engineer, JV process design team, specialist 3rd parties, and vendors, and control the design development process from concept design to IFC design deliverables and prepare the shop drawings, and technical packages, Ensuring engineering team, and consultant competency and capability to meet target submission dates, and the interface of Engineering deliverables to the procurement and construction teams, Issue RFI / Clarification requests to Client/authorities to enable the design development and facilitate the construction works.

#### Experience with ADSO LLC - UAE (Nov. 2020 – Jul 2022)

**Senior Projects Manager:** for the projects of ( Etihad Rail, 2F2, Freight Facilities, Dubai, DIC Track Earthwork Package (5 M AED), Design & Construction OF Al Fiyay Marine Facility (54 M AED)

**Fields of Service:** Civil, Marine, Infrastructure, Construction, Design Supervision / Review, Management, Tenders, Operation, Oil & Gas, EPC, Business Management, Business Development, Client's Liaison

I joined ADSO in the capacity of "Senior Projects Manager" on the basis of a prepared proposal to improve the company business aspects, establishing a new business unit to acquire projects from a specific category of Tier 1 and Tier 2 Contractors and Clients, starting from Abu Dhabi expanding to Dubai and other Emirates, the improvement including the business procedures, policies, tools, staff, and digitalization, covering the work process of commercial, Contractual, Business Development, Tendering, construction, Project Alignment (Engineering / Control / QC / HSE) , Administration, Information management, and Training.

And In response to an Urgent Business needs, where, I have performed in the capacity of "Project Manager", where I have delivered an Infrastructure Project from Initiation to Close out, in addition to the management of tenders, design development and construction of the Civil works, and Marine facility including Breakwaters, Jetties, causeways, and Rail Track, Platforms, Dredging, and Earthworks for clients like Etihad Rail, Abu Dhabi Ports, ADNOC, Borouge, Police, .. etc., Providing the Technical advice to the Managing Director about the Engineering, commercial, and Operational projects interfaces and issues, including Design Evaluation, Performance monitoring, readiness review, projects audits, risk identification and overcoming approach, operational issues, and Optimization studies, Projects Management, Setting, and following the KPIs for the different roles and activities, meanwhile, performing Tenders Management, Study and bid to the tenders with the team, vendors, and subcontractors, communicate with the clients, and authorities to provide accurate constructible estimate to satisfy the clients' requirements including Design and Engineering works, delivering presentation of the study alternatives to management and clients, and evaluation in Design & Build Projects.

#### Experience with SEPCO Electric Power Construction Corporation (DMCC Branch), UAE (Jun. 2019 – Jul. 2020)

**Civil Discipline Manager:** For Project (King Salman International Complex for Maritime Industries & Services, KSA, 3 B USD). Responsible for all

**Fields of Service:** Marine, Infrastructure, Buildings, Pavement, Soil improvement, Roads, Rail, Foundation, Piling, Tanks, WTP, BIM, EPC, Design & Build Project, ARAMCO

Including the design development management and site support of the Worldwide largest 5 Km2 Maritime shipyard facilities and tens KMs of utilities to build, repair, and restoration of the ships including the piers, drydocks, Heavy Pavement, roads, transportation, traffic systems, Pumping Stations, Stormwater drainage, Fire Fighting, Sewage, and Potable Water networks, lifting stations, No's 135 Service & Human buildings including more than 50000 tons of steel buildings, Fire, Life, and Safety systems under ARAMCO management, Leading the BIM – Design verification, and constructability interface checks for all utilities, and facilities resulting the reduction of excavation depth overall the project (about 2 m), Design approaches improvement for the different systems, buildings, and Marine facilities (Foundation system changes, Expansion Joint concept enhancement for less materials and manpower quantities for cost saving), and Verifying the design interface against construction sequence to confirm full compliance (Dry docks counterfort wall interface with crane foundations piles), resulting the Calculation updated to reflect the approved method statement.

#### Experience with DBB Contracting Co., UAE (Nov. 2016 – Jun. 2019)

**DEPUTY TECHNICAL MANAGER:** For Projects (Alseef Project, Mixed-use development (Modern / Heritage), Sunrise Bay Tower, 34 Stories, Emaar Beachfront, Dubai Harbor, TDM Za'abeel Extension (Downtown Views Tower [55 stories], Parking, and Link Bridges)

**Fields of Service:** Buildings, Towers, Highrise, Marine, Infrastructure, Bridges, Power, Landscape, Heritage, Siteworks, Retail, Piling, Precast Concrete, Hotel, BIM, Authorities

Mixed-use developments including Land, Marine, and Basement buildings along with corresponding infrastructure, and utilities roads, walkways, promenades, events, yards, public areas, hotels, museums, modern and heritage themed buildings, landscape, Concrete & Steel Bridges, and refurbishment, including extensive interface management workload between developers like MERAAS and EMAAR, Dubai Municipality (DM), Electricity and Water companies (DEWA), Heritage, Maritime and Environmental departments Roads & Transportation authority (RTA) along with subcontractors, vendor, management, design consultants to get the NOC's, Permits, Utilities & Roads tie-ins, in addition to Tower buildings.

Performing the Investigation, the existing underground utilities in adjacent to an existing Sewage pumping station and creek crossing service corridor, that leads to perform a Design modification, Liaise to Municipality Maritime Department with the project consultant to get the Marine Fascia design approved to reapprove the rejected Marine Fascia NOC for Al Seef Project, raising RFIs, replying to site staff, and subcontractors RFIs, resolving site technical problems, Coordinate the Retail Link Bridge interfaces with Dubai Mall and Zaabel Car Park and proposing design changes to enable the construction, Consider strategically the Arch. / mechanical packages interfaces, highlight the discovered deviations with possible solution, and record the incompliance to authority's requirement wherever found using Technical Queries and Letters, Tender Study providing different engineering estimates, and proposals for the possible scenarios for construction, in addition to estimate the critical activities, and packages engineering wise.

#### Experience with ARABIAN BEMCO CONTRACTING – KSA (Oct. 2012 – Sept. 2016 )

**STRUCTURAL ENGINEER:** For Projects JAZAN Integrated Gasification Combined Cycle, Jazan , KSA, Construction of New 110/13.8 kV Substation, Al-Aziziah 3 at Makkah, Alstom Arabia Power Factory, KAEC , Rabigh, KSA  
Power Plants combined & open cycle projects, Saudi Arabia National Guards (SANG) Housing Project – Qassim Site , 1250 villas)

**Fields of Service:** Power Plants, Substations, Marine, Oil & Gas, Infrastructure, Housing, Roads, Pavement, Landscape, Precast, Temporary Structures, Foundation, Industrial, WTP, Studies, Precast concrete

Wide varied projects and fields covering many areas of application in Civil – Structural – Marine – Architectural – Infrastructure engineering delivering MEGA projects including 1250 Villa's compound with all infrastructure, utilities and facilities including transportation, urban compliance, and coordination in the light of the provided design, in addition to the development of Power Plants, Substations, Oil & Gas Plants, and Factories pavement, shore protection, roads, landscape, Pumping stations, tanks, Municipal & Industrial underground utilities , technical support, analysis and studies, liaising to authorities like King Abdullah Economical City in Rabigh, Royal commission of Jubail, and Saudi Electricity Company (SEC).

#### Experience with Kharafi National for Electrical & Mechanical - EGY (Nov. 2010 – Aug. 2012 )

**SERVICE ENGINEER - DESIGN:** For Projects Egyptian Training Center of Excellence, Touristic busses drivers training model, Cairo, Egypt, Emergency Power Plants Project, 2 of 3 Power plants producing 2000 MW| Egypt (600 M USD), Al Shabab Power Plant (1000 MW), Ismailia | West Damietta Power Plant ( 500 MW ), Damietta

**Fields of Service:** Power Plants, Substations, Infrastructure, Utilities, Roads, Buildings, Temporary Structures, Piling, Foundation, Boundary Wall / Fence, GE Turbines, WTP Studies, Water supply, Sanitary, Storm water drainage, Plant Water networks, EPC, Design & Build Project

Power Plants projects with all Power facilities civil works like Generators, GIS Switchgear Substations and Transformers foundations, Large Steel tanks, along with all infrastructure, Underground utilities, and facilities including roads, landscape, and Firefighting work package design management, Control the Design Consultants, and Subcontractors Technical Scope compliance as per their agreement and terms and our contractual obligation towards the client, Collaborative work approach with QA/QC , Procurement, Construction teams and field coordination, liaison with Electricity Production Company developing the design of 2 buildings in direct contact with the client company heads.

#### Experience with ELECTRIC POWER SYSTEMS ENGINEERING COMPANY (EPS), EGY, (Nov. 2008 – Aug. 2010 )

**SERVICE ENGINEER - DESIGN:** For Projects Abu Qeer – 500 KV Over Head Transmission Lines (2 No's), Egypt ( 2 Billion EGP ), Al Mashtal Substation Rehabilitation 66 – 11 KV , Giza , Egypt (Similar Project), Owinat East Power generation plant , Al-Wadi Al-Gadid , Egypt, Over Head Transmission Lines Conductor Replacement, and Towers structural upgrade (Similar Project)

**Fields of Service:** Power Plants, Substations, Buildings, Transmission, Communication, Distribution, Towers, Repair / Strengthening, Foundation, Geotechnical, Tanks, Studies, Reports, Design, Supervision, PMC

Perform the structural studies for Over Head Transmission Towers, Foundations to support the upgraded OHT lines (Higher Voltage rate), and the Communication towers upgrade to add the Antennas and dishes, Design, Design Review, and Supervision works including the Review of the highest two 500 KV River crossing OHT Towers 120m, and 158 m, tower test reports, geotechnical related aspects, and special uprooting resistant foundation design, Design and detail of the substation buildings, Towers, Equipment, and Transformers Foundation, apply a state of art in Over Head Transmission Lines , and Plants yard equipment upgrade including field investigation, identify, classify, report the defects , and design the repair / strengthening, issue the report, and arrange presentation to the client.

#### Experience with MISR CONSULT FOR ENVIRONMENTAL AND INFRASTRUCTURE STUD. (DR. SAMEH ABD AL-GAWAD), and INTERNATIONAL OFFICE OF ENGINEERING, GIZA, EGYPT, (Nov. 2008 – Aug. 2010 )

**SERVICE ENGINEER - DESIGN:** Kafr Shokr waste water treatment plant, Dakahlia , Egypt & Similar Projects, Safaga Water Distillation Plant , Al-Bahr Al-Ahmar , Egypt & Similar Projects, Siwa Water Network, Al-Wadi Al-Gadid , Egypt & Similar Projects, Residential and Commercial Buildings (from 2 story Villas to 20 stories ,10+ No's)

**Fields of Service:** Water, Wastewater, Plants, Utilities, Caissons, Foundations, Basins, Tanks, BOQ, Tender, Foundation, Piles, Repair, Studies, Reports, Design. Inspection, Supervision, PMC, Villas, High-Rise Buildings

Design, Review, and Supervision, including Insurance 3rd parties review passing whenever required.

- Villas: Design / Re-design , , Supervision, and site support up to completion
- Buildings: Up to 7 stories, Analysis, Design, Supervision, and site support up to completion
- Towers: 20 stories, Analysis, Design, Supervision, and site support up to completion (4 No's)
- Repair and strengthening, diagnose, design, reporting, and supervise repair solutions (2 No's)