**Majed Murad** | London | British

BSc, MSc, CEng, C.WEM, FCIWEM, CEnv.

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**Education**

Cranfield University | United Kingdom

**PhD. Water & Wastewater Engineering Completed (2ys only)**

Cranfield University | United Kingdom

**MSc. Water & Wastewater Engineering**

Glasgow University | United Kingdom

**BSc. Civil Engineering**

**Professional Qualifications**

* 2010: Fellow Member of Institution Water and Environmental Management (FCIWEM) | United Kingdom
* 2004: Chartered Environmentalist (CEnv) | United Kingdom
* 1998: Chartered of Institution of Water and Environmental Management (MCIWEM) | United Kingdom.

**Relevant Experience**

A fellow of the Chartered Institution of Water and Environmental Management with extensive construction and management experience over 30 years within projects development, asset management, extensive irrigation experience and operation & maintenance service delivery gained from major water, wastewater, power utilities and regulations in UK and UAE has motivated me to put myself forward for this position.

As versatile expert in water, wastewater and treated wastewater (recycled water for non-drinking purposes) was responsible for managing the collection and distribution of water, wastewater and treated wastewater. My recent task was to develop a strategy and marketing for the reuse of treated wastewater to offset the used of potable water in landscape and crops irrigation. This includes the execution of marketing activities to support the creation of new the company to manage the distribution of the treated wastewater to the entire Emirate of Abu Dhabi. In addition to that conduct workshops and external meetings with new developers, industrial water usage and investors to serve the new potential market.

Develop best treated wastewater company/department chart, budget, and a set of best practices for the treated wastewater team, including comprehensive planning, investor relationship, quality measurement, and Sector scorecards. This was efficiently achieved by coordinating with other Sectors and other functional groups related to water and wastewater companies (ADDC, ADAC and ADSSC) to assess and coordinate cross collaboration of marketing efforts between them.

As an irrigation specialist and wastewater team leader managing the Emirate of Abu Dhabi, my role was to preserve the urban, economic, social, and cultural developments and to protect the environment and safeguard the public from reusing the treated wastewater for irrigation. Besides that, set-up a compliance-reporting programme to accommodate all the sampling in line with the developed Code of Practice.

This includes the development of a comprehensive paper to High Authority to summarise the Regulation and Supervision Bureau's thoughts, modification, and strategy on the regulatory framework to govern the management of the treated wastewater (TSE) for non-potable purposes.

Procuring an MSc and PhD (2 years) from a well-known university, Cranfield UK, in the water and wastewater and treated wastewater reuse was aimed to consolidate my knowledge in improving the design, construction, operation and management of projects from inception to handover. In addition to that, it has enhanced my work knowledge on the development of safety quality plans at the water and wastewater facilities in middle East, Europe, Africa, Australia, and America in line with the WHO’s practices applied. This includes the review of the compliance monitoring programme within the new safety plans to confirm the effectiveness of any controls put in place and consolidated by an efficient reporting system as assurance of data reliability and consistently.

The extensive experience gained has improved my knowledge to manage licensees in developing safety irrigation quality plans and site audit programme via frequent value management meetings, workshops and toolbox talks to safeguard the public and the environment. Furthermore, developed guide, technical framework and register as a minimum requirement for monitoring techniques, data records and monitoring agreed procedures.

**Key Skills**

* Project plan, design (process, hydraulic and structural) and commissioning
* Expert in treated wastewater irrigation.
* Sustainable Drainage System (SuDs) certified and expert.
* CDM Regulations and risk mitigation.
* Site experience in process commissioning, within the water industry
* Operational Maintenance.
* Certified IOSH and Auditor.
* Good communication skills (Arabic and English), both written and spoken.
* Good organisational skills and time management skills.
* Committed to developing skills and knowledge to achieve high standards.

**Work Experience**

**Employment History**

**Southern Water**

***Technical Coordinator 2019 -To date***

* Assess the designs and management of all submissions/applications made by developers relating to sewers, pumping stations, surface water systems and wastewater treatment works offered for adoption under Section 104 and Section 185 and Sewerage connections under Section 106 of the Water Industry Act 1991.
* Assess asset network functionality and its whole life cost submitted for adoption under Section 102 based on age, condition, risk, performance and criticality.
* Review capacity checks for developments connecting to public sewerage systems.
* Evaluate all new designs produced by developers to ensure they comply with Sewers for Adoption and the Water industry Act.
* Ensure sewerage systems offered for adoption by developers and/or owners of existing apparatus are constructed to the standards set out in water industry codes of practice and by the company standards and guides for water, sewerage and wastewater.
* Assess the risk impact of new development and produce drainage strategy and solutions which maintain the integrity of the existing infrastructure; and
* Liaise with Southern Water supply chain both during design and construction and ensure the work is procured and delivered in accordance with Ofwat Service Level Agreements.

**Department of Energy (Formerly Regulation Supervision Bureau) |** Abu Dhabi, UAE

**Water Irrigation Specialist 2012 - 2019**

* Manage and support water directorate (drinking water, wastewater and recycled water) to license and regulate entities carrying out these activities.
* Develop paper to High Authority to summarise the Bureau's thoughts, modification and strategy on the regulatory framework to govern the management of the treated wastewater (TSE) for non-potable purposes.
* Develop best treated wastewater company/department chart and a set of best practices for the new team, including comprehensive planning, investor relationship, quality measurement, and Sector scorecards.
* Coordinate with other Sectors and other functional groups related to water and wastewater companies (ADDC, ADAC and ADSSC) to assess and coordinate cross collaboration of marketing efforts between them.
* Manage licensees to develop safety quality plans and site audit programme via frequent value management meetings, workshops and Toolbox talks to safeguard the public and the environment.
* Develop guide, technical framework and register as a minimum requirement for monitoring techniques, data records and monitoring procedures.
* Conduct potable water connection audits aiming to ensure compliance with Water Supply Regulations and Guides.
* Conduct training workshops to external technical engineers e.g. Civil Engineering Societies on a yearly basis.
* Obtain IOSH certificate to assist me investigating EHS incidents to prevent reoccurrences.
* Responsibility for management and control of the licensees’ site management team. Represent my company at meetings held with the developer and contractors to ensure compliance with the contractor’s obligations under the construction contract tender to achieve the quality of treated wastewater in line with the site consent to safeguard irrigation.
* Carry out regular site inspections to ensure compliance with licence conditions and issue inspection report summarising the site inspection findings.

**Abu Dhabi Sewerage Services |** Abu Dhabi, UAE

**Operation and Maintenance Team Leader 2008 – 2012**

* As O&M Team Leader, managed operation, maintenance and work activities to serve 1.5 million population equivalent within Emirate of Abu Dhabi related to sewerage networks, irrigation networks, sewage treatment works, Biosolids management ensuring compliance with all defined Standards and Regulations. This work was carried out via effective mobilization of an extensive international team of professionals and technician level staff (over 3000 staff).
* Set-up of a compliance-reporting programme to accommodate all the sampling taken by ADSSC prior the implementing of a full compliance-reporting programme in line with Recycled Water and Biosolids Regulations 2010.
* Plan and manage the O&M programme and budget including evaluation of bidders to manage the delivery of the outsourced programme.
* Involved in the establishment and design of the deep sewer tunnel over 40 km long, which will run from the southern part of Abu Dhabi Island to the north of the mainland, to include a very deep pumping station. The deep sewer is part of a bigger program called the Strategic Tunnel Enhancement Programme (STEP). This deep sewer has already commenced handling the increase of wastewater generated by the anticipated growth forecasted until 2030 within the Emirate of Abu Dhabi.

**Abu Dhabi Distribution |** Abu Dhabi, UAE

**Asset Performance Department Manager 2006 – 2008**

* Managed the development of the 5 Year Planning Strategy Statement for power and water which consists of the following: statement of the planning process and identify opportunities and solutions based on customer demand and anticipated growth within Abu Dhabi Emirate; Plans outlines Demand Forecast considering assessment of existing network in various areas served capacity of existing substations, applicable peak loads and anticipated growth pattern; forecast the anticipated consumption and losses based on the historical trend and future growth; measure performance of electricity network & its level of security, availability, reliability and customer satisfaction. The reliability measures include frequency of interruption, duration of outages and the cumulative frequency and duration of outages in a year.
* Developed and applied the whole life cost model which was designed to ensure only sustainable projects selected for implementation. It considers investments on an equal footing over a sustained whole life cost period to ensure that the business makes consistent economic investment decisions.
* Developed 5 years capital and maintenance investment plan for Abu Dhabi Distribution Company (over AED 1 billion a year). Includes justification forms. In coordination with planning; End-User (O&M department); etc.
* Introduced condition, age & criticality-based assessment to all asset to prioritize asset maintenance activities and justify capital maintenance.
* Involved in the development of the first Memorandum of Understanding between Developers and ADDC. This was designed to build a long-term business relationship; agree practical and novel construction methods; prevent over designed asset and to work with developers in an open and transparent way in a spirit of partnership.

**Anglian Water Services |** Cambridgeshire, UK

**Design, Investment and Strategic Asset Management 2000 - 2006**

* Managing and delivering the capital and maintenance programme for Asset Management Plan ‘AMP3’ period (over £1.2 billion).
* Involved in planning, evaluation and selection of the best partnering contractors and consultants to assist AW in delivering future capital and maintenance programme ‘AMP4’.
* Involved in New Technology Steering Group to promote and apply new technologies to ensure schemes delivered efficiently. E.g. promote trench less technology in laying plastic pipes.
* Involved in the technical review of the Business Cases and Detailed Appraisal Submissions and Reports to Water and Wastewater Investment Group for approval.
* Responsible for ensuring those Investment submissions for ‘Top Down’ regulatory Contract projects within a Programme Area are prepared in good time to facilitate timely Programme Delivery.
* Involved in Appraisal Delivery Board to review the investment programme, monitor scheme progress and then report to Wastewater Investment Group.
* Involved in River Needs Steering Group to review the investment quality programme and monitor scheme progress to ensure schemes delivered within the agreed target dates.
* Involved in phosphate removal programme to ensure schemes achieved within the AMP3 programme. Involved in assessing schemes against Investment Guidelines.
* Prepared Project Mandate Functional Specifications to Senior Suppliers to proceed with recommended scope of works.
* Involved in Value Management Meetings (VM) as Client representative to ensure the economic and financial factors affecting sustainable development assessed.
* Developed whole life cost model designed to ensure only sustainable projects selected for implementation. It considers investments on an equal footing over a sustained whole life cost period to ensure that the business makes consistent economic investment decisions.
* Developed effective KPIs to monitor contractor performance, payments, claims, value of claims, number and value of disputes.
* Identified synergies and adjust target cost to ensure the right risk, time, quantity, and geography, delivery routes are applied.

**Anglian Water Services |** Cambridgeshire, United Kingdom

**Production- Project Engineer 1998 - 2000**

* Led projects to establish Anglian Water best practice for Hazops site procedures to prevent watercourse pollution. Site supervision, commissioning and management of 360 Hazops sites (Hazard to Operations). This included co-ordination of multi-discipline construction; completion of Hazops site assessments and schematics for STW & TPS Sites.
* Involved in the design of sewage treatment extension works to improve the quality treated sewage effluent for reuse/irrigation. These extensions are part of AW strategy to improve treatment to satisfy AW and EC standards.

**Anglian Water Services**

**Project Manager 1990 – 1998**

* Involved in the design, supervision and management of around 100 projects from laying mains, sewers to the construction of water treatments, water reservoirs, wastewater treatments, sludge treatments and pumping stations. This included preparation of contract documents for tendering, which consists of detailed designed, conditions of contract, drawings (CAD), Health & Safety report, Bill of Quantity or schedules.
* Working closely with internal and external bodies to ensure the necessary statutory approvals and permissions had been granted to enable a successful scheme completion.

**Bylander Waddel Partnership | Cambridgeshire, United Kingdom**

**Graduate Structural Engineer 1989 – 1990**

* Worked in multi-disciplinary team, as a structural engineer, to carry out structural analysis, design of Concrete structures to BS 8110, Steel works to BS5950, Timber to BS 5268, Brickwork and Block work.
* Projects involved the assembly of reinforcement, concrete mix design and concrete pouring to beams, columns and slabs; Witnessed excavation and laying of drain pipes to ensure the pipes were levelled and tested adequately; Cost control to ensure that the contractual costs were within the estimated costs; Validation of bids prior client submission; Negotiation with client during the bid analysis stage. Led projects in London ranging from £100k to £5M in value.

**Languages**

* **English:** Fluent (speaking, reading and writing).
* **Arabic:** Fluent (speaking, reading and writing).