

**ABDEL RAHMAN MOH'D AMIEN**  
Associate Technical Director



**Amien has demonstrated a proven capability as a Project Manager and design team leader for mechanical and electrical design works across a range of projects.**

**30**

**Years' Experience**

**CORE SKILLS**

1. Project management
2. Design management
3. Bidding technical and commercial support
4. Claims and disputes reviews
5. Infrastructure Electrical Engineering design
6. Water and wastewater facility MEICA Design Engineering
7. Tender technical and commercial review

**POSITION**

- Associate Technical Director

**QUALIFICATIONS**

- 1993 – Electrical Power Engineering, BSc, Alexandria University, Egypt
- FIDIC Module-1
- FIDIC Module-3
- PMP exam preparation Course

**MEMBERSHIPS**

- MIEEE
- MIET
- PMI
- Society of Engineers-UAE

**NATIONALITY**

- Sudanese

**Date of Birth**  
1965

Amien is Associate Technical Director with extensive experience in water sector and infrastructure sector projects. Amien has demonstrated a proven capability as a team leader for mechanical and electrical design works across a range of projects. He has strong skills in project, and day-to-day management of multi-disciplined engineering. Amien has 30 years' experience in electrical engineering, with 25 years' experience working in the Middle East, including projects in the UAE, Qatar, Kingdom of Saudi Arabia Sultanate of Oman and the Kingdom of Bahrain.

Amien has particular experience in mechanical and electrical engineering with responsibilities including detailed design, contractual and tender documentation, and design of industrial, water, sewerage and irrigation schemes and Wastewater treatment plant. He has overseen projects including pumping station design and power systems from conceptual and master planning stages to detailed design, and construction and site supervision.

**Professional History**

Year	Position	Company	Country
2016 —Date	Associate Technical director	Arcadis	UAE
2006 —2016	Principal Electrical Engineer	Hyder /Arcadis	UAE
2004 – 2006	Assistant Resident Engineer	Hyder Consulting Middle East Limited	UAE
2001 – 2004	Design Engineer	Hyder Consulting Middle East Limited	UAE
1999 – 2004	Project Engineer	Daff Electromechanical Contracting	UAE
1993 – 1998	Electrical Application	Sudanese Tractor Companv	Sudan

## Project Experience

### 2016 - Date      **Arcadis, Associate Technical director -MEICA**

Responsible for feasibility, detailed design, contract documents and drawings for the electro-mechanical works for various industrial, water, sewerage and irrigation schemes and building services.

#### **Tender No. O-15076 Construction of Sewer Lines for Emergency flow diversion between AL SAAD and AL HAMMA Sewage Treatment Plant Catchments**

2021, MEICA Design Lead

**Client Name: ADSSC**

**Responsibilities:**

- Lead the MEICA design team for design of new pump station and flow diversion arrangement diversion between AL SAAD and AL HAMMA Sewage Treatment Plant Catchments including civil, mechanical, electrical and control work and other infrastructure services such power, water, drainage and road.

#### **Contract N-16297 – Construction of New Pumping Station at Jabel Haffet Base, Al Ain, UAE**

2020, Project Manager (HOS during construction stage)

**Client Name: TRANSCO**

**Responsibilities:**

- Managing the project Technical and Commercial responsibilities including client management, technical home office support and site commercial responsibility management in coordination with site supervision team leader
- Technical support including civil, mechanical, electrical and control work and sitewide services such power network, water network, drainage network and site access road.

#### **Contract N-14673.2 - MIRFA C - ADDITIONAL PUMPS GROUP TO SUPPLY DN 1200 CS PIPELINE TO MADINAT ZAYED, Abu Dhabi, UAE**

2018, Project Manager (HOS during construction stage)

**Client Name: TRANSCO**

**Responsibilities:**

- Managing the project Technical and Commercial responsibilities including client management, technical home office support and site commercial responsibility management in coordination with site supervision team leader
- Technical support including civil, mechanical, electrical and control work and sitewide services such power network, water network, drainage network and site access road.

### **N-15063 Consultancy Services for New Pumping Station at Jabel Haffet Base**

2018 Design team leader

**Client Name: TRANSCO**

**Responsibilities:**

- Design Manger for construction of new pumping station at Jabel Haffet Base including potable water reservoir water quality investigation and design of new disinfection system

### **Improvement Of Water Supply to VIP Palaces at Taweelah Area, UAE**

2017 Project Manager

**Client Name: AL Salmeen -ADDC**

**Responsibilities**

- Scope of services for conducting hydraulic study, surge study and water quality, control philosophy for interface point between TANSCO and ADDC network

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### **Security Force Medical Centre, KSA**

2017 EICA team leader

**Client Name: SFMC-KSA**

**Responsibilities**

- Design team leader for sewage and stormwater pumping stations design

### **Wastewater Collection Network Zone 23 (Block A – Ishwais), UAE**

2017 Project Manager

**Client Name: TANQIA**

**Responsibilities**

- Project and design team leader for sewage pump station for zone 23

### **Qurayyat Tie-in, Sultanate of Oman**

2016 Principal electrical Engineer

**Client Name: Public authority for electricity and water -Muscat**

**Responsibilities**

- Electrical design work for Pump Station with a capacity of 200MI/d at 40 Bar for water transmission from desalination plant to Deem Reservoir which serves parts of Muscat and Al Amarat Governorates.

### **IWTP -8 Effluent Treatment Plant in Jubail ,KSA :**

2015-2016 Principal Electrical design team leader

**Client Name: Jubail -KSA**

**Responsibilities:**

- Responsible for the electrical and instrumentation design work for the 165,000 CuM /Day Industrial wastewater treatment plant

### **Al Dhakhira Sewage Treatment Plant, Qatar**

2015 EICA Design Team Leader

**Client Name: Hyundai**

**Responsibilities:**

- Responsible for the electrical and instrumentation design work for the new sewage treatment works (56,200m<sup>3</sup> /day) including all main drives, process equipment, control and SCADA system.

### **Airport 2 Sewage Treatment Plant, Kingdom of Saudia Arabia**

2015, EICA Design Team Leader

**Client Name: NWC -KSA**

**Responsibilities:**

- Review and update of electrical and instrumentation design work for the new sewage treatment works (500,000m<sup>3</sup> /day) including tender documents.

### **N-12660- Consultancy Services for Design for New Pumping Station at Mirfa, Abu Dhabi, UAE**

2014, Project Manager

**Client Name: TRANSCO**

**Responsibilities:**

- Project manager for the design work for construction of new pump station including civil, mechanical, electrical and control work and other infrastructure services such power, water, drainage and road.

### **Design for facility on Hudraiyat Island Port, Abu Dhabi, UAE**

2013, Project Manager

**Client Name: DOPA**

**Responsibilities:**

- Project manager for the design work for construction of port facility on Hudariyat island including all facility (hanger, staff accommodation, offices, and store) and infrastructure facilities such power, water, drainage and road.

### **ADNOC Housing Complex Potable Water Supply Ruwais, Abu Dhabi, UAE**

2013, Design Team Leader

Potable water pumping station 60,000m<sup>3</sup>/day along with 2x600pipeline (15km).

**Client Name: ADNOC**

**Responsibilities:**

- Design team leader for the mechanical, electrical and instrumentation design work related to construction of potable water pumping station 60,000m<sup>3</sup>/day along with 2x600pipeline (15km).

**Water Security Mega Reservoirs Pumping Station, Doha, Qatar**  
2013, MEICA Design Leader

Five Mega Reservoir sites with 3,781 MIG storage capacity, multiple corridor mains with an approximate combined length of over 320 km varying in size between 1200 mm and 1600 mm internal diameter; and approximately 257 km transmission mains of sizes varying from 900 mm to 1600 mm

**Client Name: KAHRAMMA**

**Responsibilities:**

- MEICA Design leader responsible for the electrical design work to implement a Mega Reservoir system of primary supply to Doha and surrounding areas increasing the existing freshwater storage within the supply system to a minimum of 7 days at the projected year 2036 water demands.

**Rehabilitation of MPS-1 Sewage Pumping Station, Fujairah**  
2013, Design Manager

**Client Name: TANQIA**

**Responsibilities:**

- Design manager for upgrade and refurbishment of the civil, mechanical, electrical and instrumentation work related to refurbishment of PS-1 (800 l/s)

**MEICA Technical Design Review (Team leader of EPC design work), new Gidfa pumping station Fujairah**  
2013, Technical Review Team Leader

**Client Name: SEDE-TRANSCO**

**Responsibilities:**

- Technical Review team leader for the review of mechanical, electrical and instrumentation design work related to QPS-2 New Gidfa pumping station including the pumping station work and the transmission line operation philosophy. (1891 l/s)

**MEICA Design Team leader of EPC design work, Fujairah**  
2012, Design Team Leader

**Client Name: Lindenberg-TRANSCO**

**Responsibilities:**

- Design team leader for the mechanical, electrical and instrumentation work related to all branches on the pipeline (14 – locations) including the control philosophy, mechanical, electrical and HVAC work.

**Rehabilitation of PS-7/15, 13/1, MPS-5, PS-8/6, PS-16/1, PS-7/13 & PS-7/14. Sewage Pumping Station, Abu Dhabi**  
2012, Design Manager

**Client Name: ADSSC**

**Responsibilities:**

- Design manager for the mechanical, electrical and instrumentation work related to upgrade of PS-17/15, 13/1, MPS-5, PS-8/6, PS-16/1, PS-7/13 & PS-7/14.

### **Muhharraq Sewage Treatment Plant, Kingdom of Bahrain**

2011 – 2012 , Design Team Leader

- Sewage treatment works (160,000m<sup>3</sup> /day) including all main drives, process equipment, control, and SCADA system.

**Client Name: Samsung Engineering-Kingdom of Bahrain**

**Responsibilities:**

- Design team leader responsible for the electrical and instrumentation design work for the new sewage treatment works.

### **Rehabilitation of MPS-14 and MPS-17 Sewage Pumping Station, Abu Dhabi, UAE**

2010 - 2011, Design Manager

**Client Name: SWS (ADSSC)**

**Responsibilities:**

- Design manager for the mechanical, electrical and instrumentation work related to upgrade of MPS-14 and refurbishment of MPS-17.

### **2X10MIG RCC Water Tanks and Pumping Station (central plant) Al Zawra, Ajman**

2010 - 2011, Design Team Leader

**Client Name: FEWA**

**Responsibilities:**

- Design team leader for the mechanical, electrical and instrumentation work related to Al Zawra pumping station including the pumping station work and the transmission line operation philosophy.

### **Al Ain Water Distribution Network Pumping Station at AARC, Al Ain, UAE**

2009 - 2011, Design Team Leader

**Client Name: TRANSCO**

**Responsibilities:**

- Design team leader for all building services for mechanical and electrical design works associated with the water transmission pumping station.

### **Al Ain Water Transmission Scheme Pipeline from al Hayer Tanks Compound and Zakher Pumping Station, UAE**

2009 - 2011, Design Team Leader

**Client Name: FEWA**

**Responsibilities:**

- Design team leader for the mechanical, electrical and instrumentation work related to all branches on the pipeline (18 – locations) including the control philosophy, mechanical, electrical and HVAC work.

### **Al Falah Community Development, UAE**

2009 - 2010, MEICA Design Team Leader

**Client Name: ALDAR**

**Responsibilities:**

- MEICA design team leader for the works associated with the infrastructure 22kV electrical network works, sewerage pumping station and irrigation reservoirs.

### **Future Development, Abu Dhabi, Al Ain**

2009 - 2010, MEICA Design Team Leader

**Client Name: SWS (ADSSC)**

**Responsibilities:**

- MEICA design team leader for the new development sewerage and TSE system including pumping station, STP.

### **Rehabilitation of Sewage Pumping Station, Abu Dhabi, Al Ain**

2009 - 2010, Design Team Leader

**Client Name: SWS (ADSSC)**

**Responsibilities:**

- Design team leader for the electrical work related to upgrade and refurbishment work for sewerage pumping station in Abu Dhabi and Al Ain (52 station).

### **Al Ain Asset Enhancement Scheme, UAE**

2008 – 2009, MEICA Design Team Leader

**Client Name: SWS (ADSSC)**

**Responsibilities:**

- Design team leader for MEICA work related to detailed design of two TSE pumping station.

### **Al Rawdah Palace 2 – Al Ain UAE**

2005 – 2007, Design Team Leader

**Client Name: Department of the Presidential Affairs (DOPA)**

**Responsibilities:**

- Design team leader for all mechanical and electrical works associated with the infrastructure activities Including district cooling, water supply, and HV and LV works.

### **Doha West STP, Doha, Qatar**

2006 – 2007, Design Team Leader

**Client Name: Ashghal -Qatar**

**Responsibilities:**

- Design team leader for all MEP services associated with the process and non-process building.

**Lusail Development, Doha, Qatar**

2005 – 2006, Design Team Leader

**Client Name: Ashghal -Qatar**

**Responsibilities:**

- Design team leader for all mechanical and electrical design works associated with the storm water pumping station and irrigation (reservoirs/pumping) station including mechanical, electrical, instrumentation and control works.

**Rawdat Abu Dhabi Development, Tamouh Investment, UAE**

2008 – 2009,

**Client Name: Tamouh Investment**

**Responsibilities:**

- Design works associated with the infrastructure 11kV electrical network works.

**Marina Plot – 1, Reem Island Abu Dhabi, UAE**

2007 – 2009,

**Client Name: Tamouh Investment**

**Responsibilities:**

- Design works associated with the infrastructure 11kV electrical network works.

**ICAD II Pumping Station, Abu Dhabi, UAE**

2007 – 2009, Design Team Leader

**Client Name: ICAD**

**Responsibilities:**

- Design team leader for the detailed design of the main sewerage pumping station in the industrial city of Abu Dhabi. The total flow of the pumping station is 1360 l/s. The work involved all mechanical, electrical, instrumentation and control works.

**Development of an Integrity Management Framework, ADMA – OPCO, UAE**

2008 – 2009,

**Client Name: ADMA-OPCO**

**Responsibilities:**

- ADMA OPCO requires a situation analysis report identifying method and criteria adopted, observations and findings, proposed schedule and resources required to implement the IMF.

**Rehabilitation of Water Supply Pumping Station, Qatar**

2006 – 2007, Design Team Leader

**Client Name: Torishima -Kahrama -Qatar**

**Responsibilities:**

- Design team leader for detailed and design project which included complete refurbishment of five major water pumping stations in Doha.



**2004-2006**

**Hyder Consulting Middle East Limited, Principal Electrical Engineer**

- Responsible for all aspects of electrical design and installation supervision, contract management and supervise site staff of the Abu Dhabi Municipality Sewerage Scheme projects. Evaluation of contractor's design and method statement submissions, supervise contractor's work to achieve construction in accordance with the contract documents, technical requirements and international standards, observe site safety practices, liaison with client and general overall contract administration.

**Refurbishment of Irrigation Pumping Station IPS1 and IPS2 (Contract 185/7M), UAE**

2004 – 2006,

Refurbish the existing pumping station (4x185l/s & 4x350l/s) and construction of the new pumping station (3x260l/s, 3x217l/s & 3x225l/s)

**Client Name: Sewerage Projects Committee, Abu Dhabi Municipality**

**Responsibilities:**

- The M&E scope of work is to refurbish the existing pumping station (4x185l/s & 4x350l/s) and construction of the new pumping station (3x260l/s, 3x217l/s & 3x225l/s). The scope of work included:
- Modification of the existing control and operation MCC to suite the new pumps.
- Modification of the 11kv system in the station (new substation).
- New pump station control and operation MCC.
- Complete lighting system for the pump station.
- Complete instrumentation and control system

**Refurbishment of Storm Water Pumping Station (Contract 186/2), UAE**

2004 – 2006, Design Team Leader

**Client Name: Sewerage Projects Committee, Abu Dhabi Municipality**

**Responsibilities:**

- The contract is for refurbishment of existing storm water pumping stations (17No.), the scope included replacement of the control panel, cables, instruments and pumps and installation of RTU and modification of the existing SCADA system.

**Mussafah GIC Industrial City Surface Water and Irrigation (Contract 962/2), UAE**

2005 – 2006,

**Client Name: Sewerage Projects Committee, Abu Dhabi Municipality**

**Responsibilities:**

- The M&E scope of work is to install flow meters, pressure transmitters, solar cell and data collection and data retrieval station to monitor the irrigation network in the area.

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**Irrigation Ring Main in Zayed City (Contract 908), UAE**

2005 – 2006,

**Client Name: Sewerage Projects Committee, Abu Dhabi Municipality**

**Responsibilities:**

- The M&E scope of work is to install flow meters, pressure transmitters, solar cell and RTU and modification in the SCADA system to monitor the irrigation network in the area.

**Sewerage Pumping Station 3/26 (Contract 142/23M), UAE**

2005 – 2006,

**Client Name: Sewerage Projects Committee, Abu Dhabi Municipality**

**Responsibilities:**

- The M&E scope of work is to construct of a new pumping station to serve the new residential area inside the water break, the scope of work includes supervision and test and commission of the following equipment: pumps, MCC, instrumentation, RTU, cable, odour system and station ancillaries.

**2001 – 2004**

**Hyder Consulting Middle East Limited – Design Engineer**

Was responsible for the electrical, instrumentation and SCADA detailed design, contract documents and drawings for the electromechanical works for various industrial, water, sewerage and irrigation schemes and building services.

**GIC Sewage Treatment Works, Abu Dhabi, UAE**

2001 – 2002, Design Engineer

**Client Name: Sewerage Projects Committee, Abu Dhabi Municipality**

**Responsibilities:**

- Design Engineer responsible for the electrical section on a project to design a completely new sewage treatment works on a green field site on mainland Abu Dhabi (10,000m<sup>3</sup> /day) including all main drives and process equipment.

**Das Island Sewage Treatment Works, UAE**

2001 – 2002, Design Engineer

**Client Name: Kingdom of Bahrain**

**Responsibilities:**

- Design engineer representing the client's interests on technical matters relating to electrical submissions from the main contractor on the construction of a new 2000m<sup>3</sup>/day sewage treatment works, the work included design review, material submittal review and approval, shop drawing review and approval, equipment and material inspection as well as testing.

**Bahrain Water Transmission Project, Bahrain**

2001 – 2002, Design Engineer

ALBA 3X290 l/s; (REFINERY 3X135 l/s & 3x263 l/s & 3x18 l/s; SITRA 2X342 l/s).

**Client Name: Kingdom of Bahrain**

**Responsibilities:**

- Design engineer on a potable water transmission project, incorporating three main pumping stations and storage facilities (ALBA 3X290 l/s; (REFINERY 3X135 l/s & 3x263 l/s & 3x18 l/s; SITRA 2X342 l/s). The scope of work included:
- Modification of the 11kV system in the station (new substation).
- New pump station control and operation MCC.
- Complete lighting system for the pump station.
- Complete instrumentation and control system

### **Abu Dhabi Shooting Club, Abu Dhabi, UAE**

2002 – 2003, Design Engineer

ALBA 3X290 l/s; (REFINERY 3X135 l/s & 3x263 l/s & 3x18 l/s; SITRA 2X342 l/s).

**Client Name: Offset Group**

#### **Responsibilities:**

- Design of 11kV electrical distribution and electrical power services on a major recreation project, including the electrical design of an irrigation pumping station, firewater pumping system and sewage pumping station.

### **IPS-1 and IPS-2 Irrigation Pumping Station, Abu Dhabi, UAE**

2003 – 2004,

Pumping stations (4x185l/s and 4x350l/s) as well as the new pumping station (3x260l/s, 3x217l/s & 3x225l/s).

**Client Name: Abu Dhabi Municipality**

#### **Responsibilities:**

Design and refurbishment of the existing pumping stations (4x185l/s and 4x350l/s) as well as the new pumping station (3x260l/s, 3x217l/s & 3x225l/s). The scope of work included:

- Modified of the existing control and operation MCC to suite the new pumps.
- Modification of the 11kV system in the station (new substation).
- New pump station control and operation MCC.
- Complete lighting system for the pump station.
- Complete instrumentation and control system.

### **TSE-1 & TSE-2 irrigation Pumping Station, Qatar**

**Client Name: Ashghal Qatar**

#### **Responsibilities:**

Design of new pumping station (2x600l/s) in each station. The scope of work included:

- Modification of the 11kV system in the station (new substation).
- New pump station control and operation MCC.
- Complete lighting system for the pump station.
- Complete instrumentation and control system.
- Standby power generator set rated at 1.2MW @415.

### **Pumping station MPS-5B, Abu Dhabi, UAE**

2002 – 2003,

Two stage pumping stations (1<sup>st</sup> stage 6x 900l/s & 4 x 650l/s; 2<sup>nd</sup> stage 8x650 l/s)

**Client Name: Abu Dhabi Municipality**

#### **Responsibilities:**

Design of new pumping station (2x600l/s) in each station. The scope of work included:

- Modification of the 11kV system in the station (new substation).
- New pump station control and operation MCC.
- Complete lighting system for the pump station.
- Complete instrumentation and control system.
- Standby power generator set rated at 1.2MW @415.

**1999 – 2001**

### **Daff Electro-mechanical Contracting — Project Engineer**

Responsible for study and evaluation of tender document, preparation of the tender offer (technically and commercially), preparing technical submittal and shop drawings for approval, site supervision during installation stage, testing and commissioning of the pump station.

#### **Contract 211/B**

##### **Responsibilities:**

- Supply, install, test and commission complete new sewage pumping station including pumps (2x170l/s), pipe work, valves, ODOUR plant, grinder, MCC, substation, instrumentation and control, surge tank and building and area lighting.

#### **Contract No. 514/4M**

##### **Responsibilities:**

- Supply, install, test and commission complete new irrigation pumping stations IPS-3 and reservoirs R4, R6 & R7 include pumps (3x158l/s, 8x45l/s), pipe work, valves, MCC, substation, instrumentation and control, surge tank and building and area lighting.

#### **Contract No. 404/M**

##### **Responsibilities:**

- Supply, install, test and commission complete new three storm water pumping stations (2X70l/s, 2X120l/s, 2x300l/s) including pipe work, valves, MCC, instrumentation and control, surge tank and building and area lighting.

#### **Contract No. 3/3**

##### **Responsibilities:**

- Supply, install, test and commission chemical odour control Plant (2000PPM) complete with chemical tank, control panel, water system.

**Contract No. 215/B/M**

**Responsibilities:**

- Supply, install, test and commission complete new sewage pumping station (include pumps 2x30l/s, pipe work, valves, odour plant, grinder, MCC, Instrumentation and control, surge tank, and building and area lighting).

**Contract No. 148/8M**

Sewage pumping station that includes (5x625l/s @3.3kV).

**Responsibilities:**

Complete new sewage pumping station that includes (5x625l/s @3.3kV). The scope of work included:

- New 11kV system including (2x4MVA, 2X500KVA) transformers and kV panel.
- New pump station control and operation MCC (415volt and 3.3kV).
- Pipe work 1200mm (including valve and fittings).
- Complete lighting system for the pump station.
- Complete instrumentation and control system.
- Standby power generator set 14MW @ 11kV level.

**1993 – 1998**

**Sudanese Tractor Company — Electrical Application Engineer**

Responsible for the supplies of electrical power generators, switchgear, pumps, power plant and pumping station commissioning.

**Responsibilities:**

- Supply, installation, testing and commission diesel generator set rated at 11kV complete with switchgear and fuel system (turnkey project).
- Supply, installation, testing and commission diesel generator set rated at 415VOLT complete with switchgear and fuel system (turnkey project).