

FK & Partner Co.



Company Profile

Areas of activity:

Civil & Construction

Electro-Mechanical Works

Water & Wastewater Treatment Plants

Operation & Maintenance Services





Introduction

Company History

FK & Partner Co. is a 100% Saudi owned company. Started initially to provide construction services for commercial, residential compounds, educational buildings, and office complexes. Recently, the company expanded its services to include the construction, operation, and maintenance services for industrial sectors. **FK & Partner Co.** draws its strength from its employees experience, expertise and management of top rated professionals having vast experience in the field.

Our Specialities:



Civil & Construction:

We are specialized in civil works. The company completed and currently working on projects of different fields; including, commercial and residential buildings and water and wastewater infrastructure. Our services also include providing renovations and maintenance services for existing buildings.



Electro-Mechanical Works:

The company has carried out many electro-mechanical projects, including maintenance work of air dryers, air blowers repairs, dewatering of tanks and sumps, valves replacement, installation of fire water, fire alarm systems, and fire exit gates. These projects were conducted from parts of current O & M projects and some stand-alone projects.



Water & Wastewater Treatment Services:

Focusing on W&WWTP, we are equipped with supportive and dedicated team of professionals who will utilize their experiences, capabilities and technical how-to-provide compact, and comprehensive solutions. Our technical partners **IE-Consult** and **H₂O Tech Company** supports our business and other works like water & wastewater, installation, testing, and commissioning and O&M.



Plants Operation & Maintenance:

We are specialized in providing O&M services, water wastewater sector, our aim is to be one of the leading O&M services providers to meet continuous complex demands of water and wastewater treatment sector.

FK & Partner Company and Partners



FK & Partner Co. started in the year of 2013, grown and developed, to become an established and recognized company in the Saudi industry. Projects completed over the past few years include: schools and educational facilities, residential housing developments of commercial buildings, O&M services, and many electro mechanical works and services.

Engineering Partner:



IE-CONSULT: Innovative Engineering Consulting Office is an affiliated engineering office of FK & Partner Co. and provides engineering supports to FK & Partner Co. and its technical Partner, H₂O Tech Co., for projects in Saudi Arabia including engineering solutions, project management, engineering consultancy, industrial optimization, and technical-administrative consultancy.

Technical Partner:



H₂O Technology is an engineering and manufacturing company in the field of Water and Wastewater treatment to protect the environment with innovative solutions and services. The Factory is located in Dammam 3rd Industrial City in the Eastern Province. H₂O Tech. is specialized in manufacturing portable STPs, RO Plants, and NF Plants.





Civil & Construction

FK & Partner Co. has been contributing to the Kingdom projects and including construction of schools, hotels, and offices. Our projects depend on our capabilities and partners and our superior technology and experiences accumulated over many years.

References

- Commercial building (4 stories) in Dammam City.
- Office complex (6 stories) with parking lot in Dammam City.
- Private housing compound over 7500/m² in Dammam City.
- Maintenance services contracts:
 - Safana Suites, Khobar (Three Branches).
 - Bashaer Aljazira Private School (Primary , Secondary).
 - Dar Albayan Private School (Primary , Secondary).
- Installation of a sewage plant in Abu Arish, Jazan.
- Electrical works of housing program building in Qateef City.
- Cleaning evaporation ponds at waste-water treatment plant in KGP.
- Finishing a commercial residential building in Dammam City.





Electro-Mechanical Works

FK & Partner Co. has engaged over the last few years in many projects of installing, removing and modifying firefighting, HVAC, water and wastewater, plumbing, control and operating system, and electro mechanical works. These projects include installation , commissioning , O&M, and testing.

References

- Replacement of Abu– Arish MBR control panel –Jazan, Saudi Arabia.
- Oily water removal from WWTP equalization tank at KGP, Saudi Arabia.
- Testing & Commissioning a control Panel for storm water plant at Al-Qashla, Saudi Arabia.
- Replacement of re work ladder at Bshayer al Jazeera school at Khobar.
- Installiation of a safety system (firework Gate) at safana 2 building.
- Supply of Air Operated Valves (AOV) for KGP Wastwater Treatment Plant. at KGP.
- Upgrading firefighting system at Dar al– Bayan School at Khobar.
- Dewatering system for yanbu pumping station.



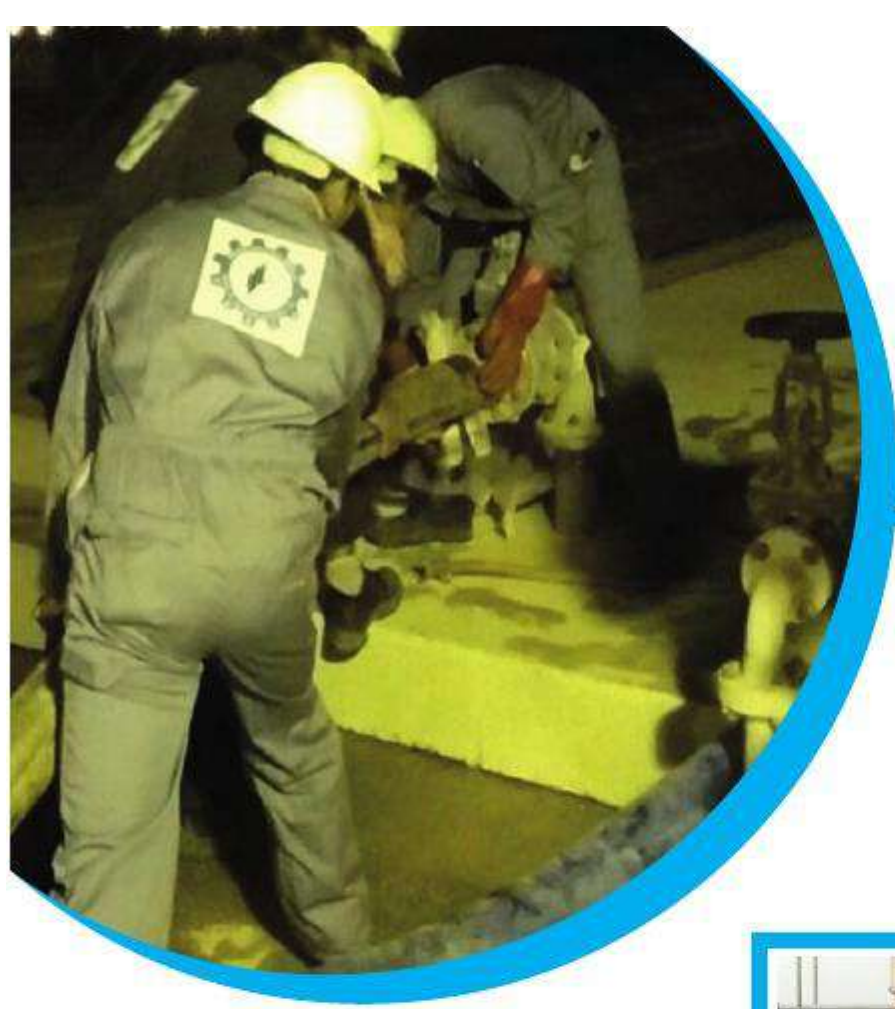


Water & Wastewater Treatment Services

FK & Partner Co. is contributing to improve the environment through using professional operators and high quality waste water treatment systems to provide quality service for operation and maintenance of W&WWTP. FK & Partner Co. in coordination with its technical partners has already many current and completed projects in the Kingdom of Saudi Arabia.

References

- 250 CMD Industrial Wastewater Treatment Plant for Marine Discharge – JTTF, Saudi Aramco.
- 5400 CMD Temporary STP (MBR Technology) – Jazan Economic City, Saudi Aramco.
- 9,000 CMD Nano Filtration Plant in Khurais Gas Plant – Khurais, Saudi Aramco.
- Installation of W & WW system for Biochemical Factory in Dammam 2nd Industrial City.
- Installation of W & WW system for Water Tech Factory in Dammam 3rd Industrial City.
- Portable Dewatering Unit (Belt Press) - Marafiq Yanbu.
- 500 CMD STP with lift station for King Fahad Causeway – Saudi Arabia.
- 500 CMD STP with lift station for King Fahad Causeway – Bahrain Kingdom.
- Dammam pumping station, AlManar AL Arabia company.





Operation & Maintenance

FK & Partner Co., In spite of its recent establishment, it becomes the operating and commissioning partner for H₂O Tech. Company's projects in Saudi Arabia.

Saudi Aramco Projects:

1. Operation and Maintenance of Sanitary Wastewater and Oily Wastewater Plant at Khursaniyah Gas Plant (Saudi Aramco).
2. Jazan Central Sanitary Treatment Plant in Jazan Economic City, Saudi Aramco.
3. Juaymah Terminal Evaporation Ponds Industrial Water Treatment for Marine Discharge, Juaymah – Saudi Arabia..
4. 9,000 CMD NF Plant in Khurais Gas Plant (Sub-Contract – Saipem).

Other Projects:

1. Commissioning & Start-Up of Abu-Arish Wastewater (MBR) Plant
2. One Year Warranty O&M of Sanitary Wastewater Plant at Abu-Arish.
3. Commissioning & Start-Up of S.S.E.M. STP (MBR) – Jazan Economoc City.
4. Opertaion & maintenance services to H₂O Tech. Co. portable MBR & RO system.
5. Supervision & maintenance of Dar Albayan School portable water & Re-exit system.



مكتب الهندسة المبتكرة للاستشارات الهندسية
Innovative Engineering Consulting Office

Corporate Offices:

IE-Consult Admn. Office

AL-ULAYA, P.O. Box: 2015
KHOBAR, EASTERN PROVINCE
SAUDI ARABIA 31952
TELFAX.: +966 13 898 9959
INFO@IE-CONSULT.SA

IE-Consult Dammam Office

DHAHRAN JUBAIL HIGHWAY
AL-HAMMAD BUILDING
DAMMAM, EASTERN PROVINCE
SAUDI ARABIA
TELFAX.: +966 13 850 3111
ADMIN@IE-CONSULT.SA



مكتب الهندسة المبتكرة للاستشارات الهندسية Innovative Engineering Consulting Office

IE-Consult: Innovative Engineering Consulting Office is an engineering office that offers various services, such as but not limited to, engineering solutions, project management, engineering consultancy, and industrial consultancy.

IE-Consult delivers the technical plans and provides Engineering Consultancy and services for demanding and complex infrastructure projects, such as power plants, energy transmission and distribution facilities, systems for drinking water supply and sanitation, and facilities for waste treatment. Engineers as well as organizational and business consultants work worldwide on solutions for exploiting regenerative energy sources, energy-efficiency optimization and technical administrative consultancy professionals having vast experience in the field of energy optimization concepts and waste management concepts.

IE-Consult is the engineering consultant for FK & Partner Construction Co. & H₂O Technology Company.

References

- Storm water system design for Dammam metropolitan (phase 3).
- Designing and supervising a Central Sanitary Treatment Plant for Jizan Economic City – Saudi Aramco.
- Designing and supervising of IWWTP JTTF – Saudi Aramco.
- Designing and supervising of NF Plant Construction in KhGP – Saudi Aramco.
- Supervision & engineering for H₂O Tech Company & FK & Partner Co. projects.
- Preliminary assessment study for air dryer system; KGP.
- Design & supervision of W&WW and storm water system of biochemical factory at Dammam 2nd industrial city.
- Renovation of Tunnels study (KFUPM).
- Initial Assessment Report for Wastewater Treatment Plant at KGP (Saudi Aramco).
- Supervision & Engineering consultation for FK & Partner Co. construction projects.
- Provided Engineering support for the Commissioning of Abu-Arish STP startup (MOW&E).
- Developed the SOW of Evaporation Pond Waste Water Recovery for GO Depts.. (Saudi Aramco).
- Prepared the Proposal for Engineering Consultation Services for PMO (Eastern Regional Municipality).
- Prepared the Proposal for Engineering Consultation Services for Traffic Safety.



شركة تقنية المياه

Water Technology company

For Enviromental Services

Corporate Offices:

H₂O Technology Factory

DAMMAM 3RD INDUSTRIAL CITY

DAMMAM, EASTERN PROVINCE

SAUDI ARABIA

TELFAX.: +966 13 889 0050

SALES@H2O-TECH.COM.SA

H₂O Technology Admn. Office

AL-ULAYA, P.O.Box:2015

KHOBAR, EASTERN PROVINCE

SAUDI ARABIA

TELFAX.: +966 13 8989959

INFO@H2O-TECH.COM.SA



شركة تقنية المياه

Water Technology company

For Environmental Services

H₂O Technology Company (Factory): is a Saudi Company specialized in water and wastewater Treatment Plants and Equipments. We study the water problem in hand and input our experts' knowledge to design the perfect solution for our clients. Our challenge is to provide equipments and engineering solutions that are highly suitable for the environment and as per the actual demand. We engage in close cooperation with our clients, studying their actual situation on site to reach suitable solutions and select the appropriate system components. Our turn-key portable plants come with the best technical packages at the lowest capital and running cost.

Our products groups:

- Pretreatment (coarse screens, fine screens, pump station, package inlet work, washing compactor, grit removal)
- Secondary Treatment (diffusers, aerator, scraper, mixer and scum removal)
- Advanced Treatment (ultra & NANO filtration, reverse osmosis, dissolved air flotation, cloth screw filter)
- Package Plants (MBR, surface, reverse osmosis, STP, sludge dewatering, grey water, ultra-filtration, SBR kit, etc.)
- Sludge Treatment (belt filter press, dryer, thickener, centrifuge, sludge drying, soil component, pumps, etc.)
- Odor Control (bio filter, activated carbon filter, wet scrubber, bio-tricking filter & photoionization)
- Bio Energy (biogas plant, windmill water pump, solar water pump)
- Instrumentations & Control (online instrumentation, water quality, flow meter, dosing system, electric control, etc.)
- Pumps & Flow Regulation (Penstock, wires, valves, pumps, accessories, etc.)

For more information, visit our website:

www.H2O-Tech.com.sa

Abu Arish Sewage Treatment Plant

O&M Project in Jazan – Saudi Arabia



About Abu Arish

Abu Arish is a community located in the south west of Saudi Arabia, and it is a part of Jazan Province, and close to the border of Yemen. Abu Arish has no sewage network and waste water treatment plants.

Before the new plant being built, tankers were discharging in a man-made lagoon located approximately 25 km away from the city. The STP location was chosen to be close to the lagoon.



Abu Arish STP

Abu Arish STP is designed to receive waste water by tanker discharge from the surrounding community. The waste water is municipal waste water.

Scope of Work

FK & Partner Co. is operating and responsible for the O&M of the complete plant. The complete design, installation, and commissioning startup for the complete plant was done by a different contractor.

Equipment	Application
Screw Screen	Screening Removal
Manual Bypass	Bypass Screening Removal
Grit Trap	Sand removal
Grease trap	Grease & FOG removal
Stoplog	Flow control & regulation
Mixer and Aeration System	Biological treatment
MBR	Filtration
Blower	Aeration and Scouring
Pumps	Grit pump
Instruments Field	Lifting pumps
MCC and PLC	MBR feeding
Generator	Permeate removal
Capacity	1,000 M ³ /Day



Industrial Wastewater Treatment Plant

BOO Project in JTTF – Saudi Aramco



Juaymah Terminal Tank Farm - Juaymah

Saudi Aramco's JTTF current disposal of Crude Oil Tanks dewatering is via three Evaporation Ponds. Initially, the Basic sediment and water (BS&W) streams are preliminary treated by an existing manually adjusted skimmer then discharged to API oil-water separator Pond and finally disposed of in the Evaporation Ponds. However, the current treatment facilities does not meet marine discharge limits.



JTTF Industrial WW Treatment Plant

The treatment plant is to treat the JTTF evaporation pond wastewater for disposal into the marine environment, regardless of any changes in feed quality in the evaporation ponds. The selected design is to treat and dispose of 250 m³/day of wastewater.

Scope of Work

IE-Consult provided the complete design for the Industrial WW Treatment plant and provided engineering solution and project management for installation and commissioning startup for the complete plant which was assigned to **FK & Partner Co** by the client of this project (**Saudi Aramco**).

FK & Partner Co provided and supplied Pre-treatment Container, Advanced Treatment Container, Dosing Container and Electrical control cabinet. Also provided all the civil and mechanical work, Stripping tank, portable Lab, generator sets and all the safety equipment.

Equipment	Application
Galaxie Separator	Oil Removal
Electro-coagulation device	Reduce chemical use in DAF
DAF	Coagulation/Flocculation
Lamella settler	Sludge settling
UV Reactor	AOP
Self cleaning filter	Fine filtration
Field Instrumentation	Flow, Level (Hydrostatic), ORP, TDS, pH, Temperature
Control Panel & PLC	Complete Auto-Control
Sludge Removal	Sludge Drying Beds
Generators	Two (120KW) with Synchronization Switchboard Panel
Capacity	250 m ³ /day



Sanitary Wastewater Treatment Plant

BOO Project in JEC – Saudi Aramco



About Jazan Economic City

Baish is located in the Kingdom's southwest region, and in 2014, Saudi Aramco began constructing the Jazan Refinery Plant and Terminal in Baish. The facilities form the industrial heart of the government's greater Jazan Economic City project.

Centralized Sewage Treatment Plant JCSTP

During development and construction of this project, a WW treatment concept was required. The centralized WWTP JCSTP is designed to receive domestic WW through tanker trucks from Aramco contractor's camps.



Scope of Work

IE-Consult provided the complete design for the plant and provided engineering solution and project management for installation and commissioning startup for the complete plant which was assigned to **FK & Partner Co** by the client of this project (**Saudi Aramco**).

FK & Partner Co provided all the civil and mechanical work, Storage tanks for treated water and sludge, including drying beds for sludge dewatering are completing the treatment.

The entire plant is operated by PLC and observed through an online monitoring system 24h x 7d. The Start-up of this plant was in October 2016.

Equipment	Application
Screen	Screening Removal
Grit & Grease Trap	Sand & FOG removal
Pumps	Flow control & Service Water
Mixer and Aeration System	Biological treatment
MBR Package Plants	Filtration
Blower	Aeration and Scouring
Instruments Field	Flow, Level (Hydrostatic), TSS, DO, Pressure control
Control Panel & PLC	Complete Auto-Control
Sludge Removal	Sludge Drying Beds
Generators	Five (120KW) Generators with Synchronization Switchboard Panel
Capacity	5,400 M3/Day





9,000 CMD Nano Filtration Plant

BOO Project in Khurais Plant – Saudi Aramco

About Khurais

Khurais is located around 250 km southwest of Dhahran, with an area of 2,890 km². The Khurais development was the largest of several Saudi Aramco projects intended to boost the production capacity of Saudi Arabia's oilfields.

Nano Filtration Plant - KhNFP

During development and construction of this project, a concept was required. FK & Partner Co. with its partners (IE-Consult & H2O Tech) designed the plant as requested by client to remove sulphate with a capacity of 9,000 CMD treated effluent. To ease mobilization, the plant is designed to be portable.



Scope of Work

IE-Consult provided the complete design for the plant and provided engineering solution and project management for installation and commissioning startup for the complete plant which was assigned to **FK & Partner Co** by the client of this project (**Saudi Aramco**).

FK & Partner Co with its technical partner (H2O Tech) provided all the Electrical and Mechanical work. The construction of this plant was made in H2O Tech Factory in Dammam 3rd Industrial City.

The entire plant is operated by PLC and observed by our professional operators 24h x 7d.

Equipment	Application
Cartridge Filter	10 & 5 Mu
Pump Control	PLC & VFD
Pumps	HP Pumps, HP Dosing Pumps
Pressure Vessels	6" 7 Element
Portable Package Plants	Nano Filtration
Treatment	Sulphate Removal
Instruments Field	Flow, Sulphate, SDi, Turbidity, Pressure control
Control Panel & PLC	Complete Auto-Control
Power	480 V
Treated Effluent Capacity	9,000 CMD





FK & Partner General Construction Company

Dammam Office:

Al-Hammad Building, Jubail-Dhahran Hwy,
Tel/Fax: +96613 889 0050

Khobar Office:

Al-Ulaiyah North of Al-Rashid Mall,
P.O Box 2015, Khobar 3192

Tel/Fax: +966138989959

E-mail: info@fkgcco.com

Website: www.fkgcco.com

CR #: 2050082902

Saudi Aramco Vendor #: 10049406