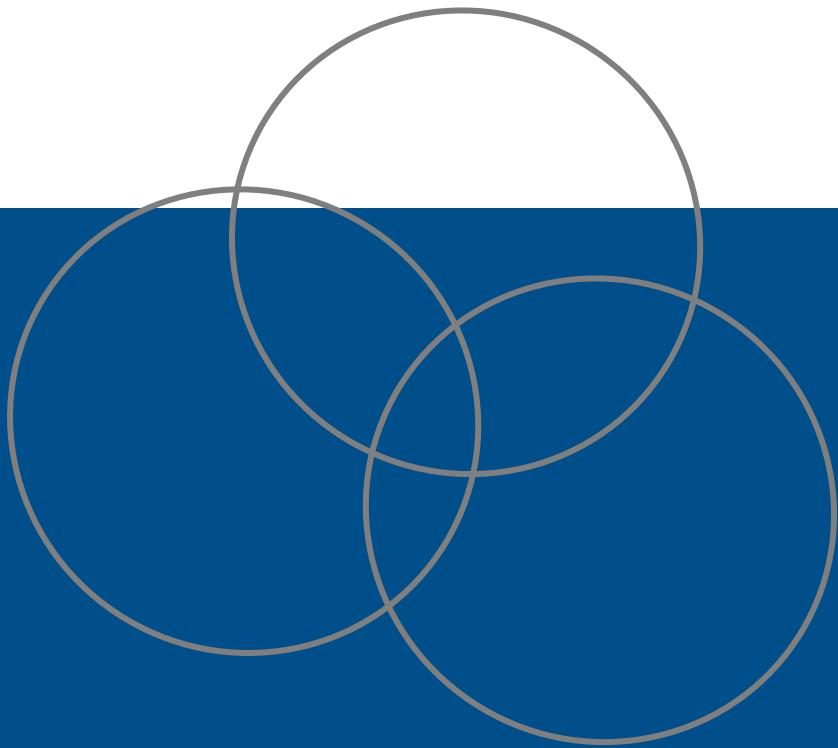


Leading in Excellence



**Engineering Best Quality Solutions with
Sustainable Results**

COMPANY BROCHURE

About Zulal Oil and Water Services



industrial sectors and work throughout Libya.

Our main offices are strategically located close to the centre of Tripoli (HQ), with offices in London and Boston we are further supported by our highly experienced partnership teams of specially trained engineers, in-field specialists and technical experts who deliver advice and engineering support solutions to meet the highest standards of performance expected of us by our clients. We deliver our services across all

Zulal Oil and Water Services (ZULAL) established in 2007, is a leading provider of turnkey water and waste-water solutions in Libya. ZULAL are an ISO Certified Company for Quality ISO-9001, Health & Safety ISO-45001 and Environment ISO-14001 management systems.

The company has a strong track record of executing projects on time and to specification, and an excellent reputation for its after-sales service.

ZULAL is fully registered in Libya under the latest rules and regulations, and is led by a highly-experienced management team who has installed more than 150 plants in Libya in 35+ year period.



Contact us for more information

Please get in touch if you would like to speak with one of our expert advisors or learn more on our innovative Water, Wastewater Plants, Steel Bolted Water & Oil Storage Tanks, Prefabricated Panel Building Systems, GRE Bondstrand Pipe Lines and Fiber – Reinforced Spoolable Line Pipe.

Technical & Operational Support in Libya for:

Company	HQ	Product
Lenntech		Produced water and R.O. Plants
NOV – Fiber Glass Systems		Rigid GRE and Flexible RTP Pipes
Columbian Storage Tanks		Storage Tanks for the Oil Sector
WCS Environmental Engineering		Modular Sewage Treatment Plants
Genesys (h2o innovation)		Reverse Osmosis Membrane Chemicals

Zulal - ISO Certifications



LENNTech WATER TREATMENT Solutions

ZULAL provides technical & operational support for Lenntech in Libya. Lenntech provides water treatment solutions for all type of applications, for industrial and municipal turnkey plants up to 50,000 m³/day.

Lenntech wide range of technologies and extended know-how in all water-related sectors will guarantee you a cost-efficient solution meeting your water quality requirements.

Lenntech deals daily with clients from various origin: municipalities, water bottlers, hotels and resort requiring safe drinking water for their visitors, farmers needing specific irrigation water for their plants, but also industries like power plants, oil and gas, chemical factories, requiring specific process water for their equipment.

EPIC CONTRACTS FOR WAHA OIL COMPANY IN: GIALO, ESSIDER AND WAHA FIELDS.



UV DISINFECTION PLANTS



EMERGENCY CONTAINERISED REVERSE OSMOSIS PLANT FOR WAHA OIL COMPANY IN WAHA FIELD.

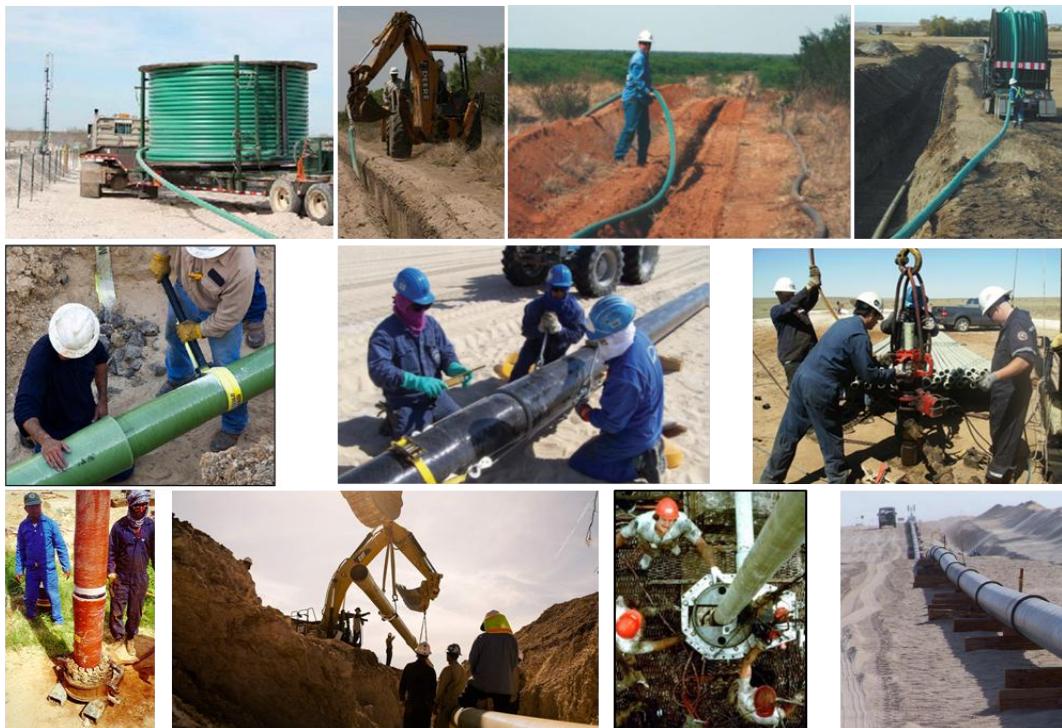


Potable water in the desert

Fiber Glass Systems



ZULAL is the technical and operational support of NOV – Fiber Glass Systems in Libya. NOV – Fiber Glass Systems is the leading worldwide manufacturer of fiberglass reinforced epoxy (RTP, RTR & GRE) pipe and other products used for onshore and offshore corrosion control in a variety of low to high pressure oilfield applications. NOV – Fiber Glass Systems brings over 65 years of experience in the oil and gas sector with its offering of the most highly recognized and respected brands in the industry. Bringing over 65 years of time-tested composite pipe experience to the Oil and Gas, Chemical and Industrial, Marine, Offshore and Fuel Handling markets. NOV broad range of temperatures, pressures and corrosion barriers allow us to best match a product with your application.

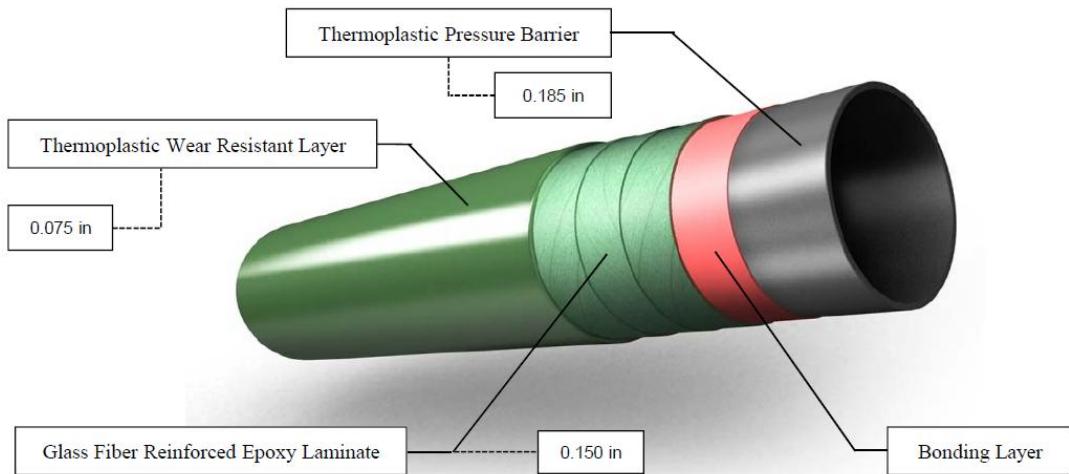


- Downhole Tubing and Casing
- Production Flow Lines
- Gathering Lines
- Mixed Flow Emulsion Lines
- Transmission Lines
- Water injection & Disposal Lines
- CO₂ Transfer, injection or Collection Lines
- Fire Water Lines
- Tank Battery Piping and Hook-ups
- Chemical Disposal

Why NOV – FGS Pipes are the Best

- Complete solutions
- Fast product delivery
- Quick deployment
- Ease of installation
- Proven performances & extended life cycle
- Completed peace of mind
- Total Cost of ownership is lowest

Fiberspar RTP Spoolable Pipe for Oil & Gas Industry



Projects Completed in Libya

Zulal has supplied and supervised the installation of NOV Fiberspar Spoolable RTP pipe in Libya (complete with all connectors and fittings) for the below projects / clients.

- To date, Zulal has supplied > 300km of Fiberspar pipe for Libyan oil fields, bulk of which is already in service, flowing crude oil from many wells.
- Zulal has also been awarded 50km supply order of Fiberspar 6" pipe high pressure 1500psi rated, X-series (high temperature upto 82°C) for Libya

For Waha Oil Company

Supply / Installation Supervision:

- 2024-2025 ongoing: **50km; 6" 1500psi** Fiberspar High Pressure for Faregh
- 2023-2025 ongoing: **285km; 4" & 6" 750psi** Fiberspar for Gialo, Samah, Waha, Dahra
- 2021: **1.6km of 4" 750psi** Fiberspar for Oil Well M-31 in Zaggut station
- 2021: **1.2km of 4" 750 psi** Fiberspar for Oil Well E-37 in Gialo

Within less than 1-year since May-2024, Waha Oil Company has got connected flowlines of 59 new oil wells and repaired 3 existing CS pipelines, using >173km of 4" & 6" Fiberspar RTP pipe, at Waha, Defa, Gialo, Samah fields using Certified NOV Installers who are all-time available in Libya, with Zulal.

For Mellitah Oil and Gas

2021-2022 Supply and Installation Supervision

- **5km of 6" 750psi X** Fiberspar for Oil Well A-58 in Wafa Field
- **3km of 6" 750psi X** Fiberspar Oil Well A-60 in Wafa
- **3.5km of 6" 750psi X** Fiberspar for Oil Well A-46 in Wafa

For Petro-Techna (for Gialo 1 & 2)

- 2024 Supply of 13.7km (4" and 5" 6" 750psi X) for Gialo 1 & 2 Produced Water PW
- 2020 Supply of 17.5km (4" and 5" 6" 750psi X & E) Fiberspar for Gialo 1 & 2 PW



Photographs, Oct-2024: At Waha Oil Company's well # A-134, Fiberspar 6" 750X RTP pipe is being installed as flowline 1.3km length, beside a corroded Carbon Steel CS pipeline leaking crude oil.



Photographs, Dec-2021: Completed in just one day, the deployment of 1038 meters Fiberspar Spoolable 4" FSLP 750 series LinePipe for Well No. M-31 flow line at Zagqut Station of Waha Oil Company.

SEQUENCE OF OPERATIONS IN PROCUREMENT & DEPLOYMENT OF SPOOLABLE FIBERSPAR LINEPIPE



EPC 8" & 10" GRE FIREFIGHTING PIPING FOR AKAKUS OIL OPERATIONS AT EL-SHARARA





ZULAL provides technical & operational support for CST Industries in Libya. CST Industries, the maker of Columbian Tec Tank, specializes in the design, supply and erection of sectional steel storage tanks. Their tanks are used in a wide variety of applications in over 110 countries around the world. Four manufacturing plants in two countries provide capacity and flexibility to meet all your above ground storage needs.

ZULAL can offer full turnkey contracts inclusive of:

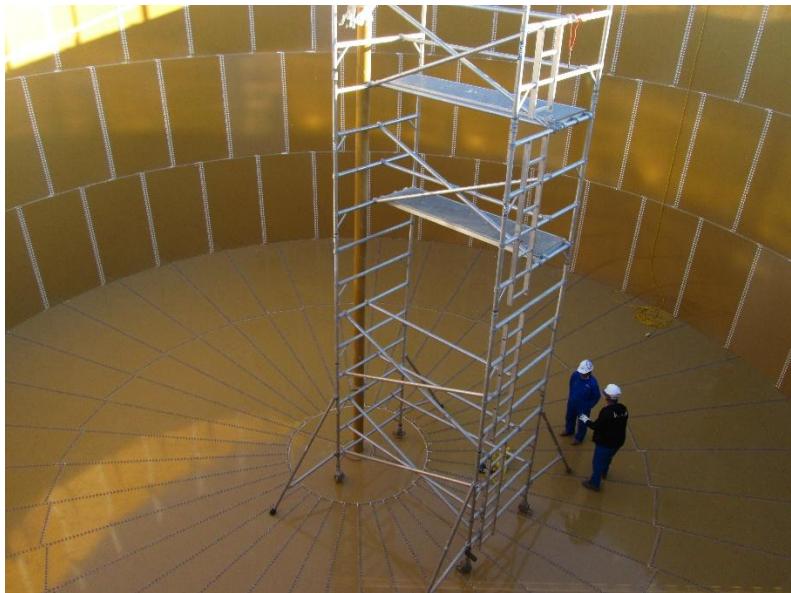
- Tanks Procurement
- Civil Works
- Erection and Testing

TANK APPLICATIONS	TANK SPECIFICATIONS
<ul style="list-style-type: none">• Power & energy (Process Water, Demineralized & RO Water, Boiler Feed Water)• Oil & Gas (Crude oil; Diesel Fuel; Aviation / Jet Fuel; Drilling Mud)• Water / Waste Water• Fire Water (Designed to NFPA, FM, AWWA)	<ul style="list-style-type: none">• Engineered Storage Products Company• AWWA D103 Liquid Storage Tank

EPIC CONTRACT FOR WAHA OIL COMPANY IN DAHRA FIELD



EPIC 10000BBL FIREFIGHTING TANK FOR AKAKUS OIL OPERATIONS



WPL joined the WCS Environmental Engineering Division that forms part of Marlowe's grouping of water and air industry. Marlowe is a UK leader in specialist services that ensure safety and regulatory compliance.

ZULAL provides technical & operational support for WPL in Libya. WPL designs, manufactures and supplies a wide range of sewage treatment plants, from small domestic to large-scale. Their cutting-edge, 'off-the-shelf' package plants offer environmentally-friendly, legislation-compliant solutions that are simple to install, easy to live with and economical to maintain, while their bespoke solutions are tailored to your exact requirements and will effortlessly deal with all your wastewater demands.

- **Small Plants:** pre-designed for use in domestic properties, from single dwellings to small groups of houses, with a population of 1-55 persons.
- **Medium to large plants:** bespoke solutions are designed to meet the needs of commercial developments of up to 3,000 people.

SEWAGE TREATMENT PLANT EPIC CONTRACT FOR REMSA OIL OPERATIONS



SEWAGE PLANT FOR HAROUGE OIL OPERATIONS AT AMAL FIELD



AKAKUS SEWAGE TREATMENT PLANT



HALLIBURTON SEWAGE TREATMENT PLANT





Genesys Chemicals for Membranes

ZULAL is the technical & operational support of GENESYS in Libya. Genesys Manufacturing Limited was established in 2007 in Winsford, Cheshire, to optimize chemical manufacturing and quality control.

Genesys International Ltd is a recognised expert in membrane chemicals, laboratory services & technical assistance for the desalination industry. It was founded in 2001 by 2 desal veterans - Ted Darton & Ursula Annunziata – and became part of the Canadian H2O innovation Group in July 2022.

All Genesys products are manufactured in the UK to ISO 9001 (Quality), ISO 45001 (H&S) and ISO 22301 (business continuity) standards. Their manufacturing facility includes large liquid and powder blending vessels, as well as a quality control laboratory and product development testing facilities.

PRODUCT	DESCRIPTION
Genesys LF, Genesys LS, Genesys MP	Wide spectrum RO antiscalants
Genesys SI, Genesys CAS, Genesys PHO, Genesys BS	Scale specific RO antiscalants
Genefloc GPF, Genefloc PWF, Genefloc ABF	Membrane-compatible flocculants
Genesol 30, Genesol 32	Membrane-compatible biocides
Genesol 38, Genesol 711, Genesol 721	Acidic cleaners, liquid or powder
Genesol 40, Genesol 704, Genesol 764	Alkaline cleaners, liquid or powder

Water Treatment Plants

Akakus Oil Operations – 150m³/day New Sea Water Reverse Osmosis Plant at
Zawiya - Completed (July 2023)



Mellitah Oil & Gas B.V. – 20 m³/day New Brackish Water RO Unit for Military
Completed (Sold 2021 – Commissioned 2022)



The water treatment plant produces 20m³/day of drinking water from the allowable well water. The plant consists of a filtration and a reverse osmosis plant. The plant has been designed to guarantee drinking water quality



Sirte Oil Company – 2 x 300m³ / day Brackish Water Reverse Osmosis
 Completed (Year 2021)

The water treatment plant produces 12.5 m³/hr. of drinking water from the allowable well water. The plant consists of a filtration and a reverse osmosis plant. The plant has been designed to guarantee drinking water quality.



Waha Oil Company - Re-commissioning Es-sider Plant (Year 2020)



Waha Oil Company - Re-commissioning Waha Office Containerized Plant (Year 2019)



Abu-attifel – Commissioned on 8th August, 2018 (Mellitah)

The containerised plant consists of filtration and a reverse osmosis plant. The plant has been designed to guarantee drinking water quality.



Waha Oil Company - Gialo – Commissioned on 22nd January ,2014

The water treatment plant produces 25 m³/hr. of drinking water from the allowable well water. The plant consists of a degasser, filtration and a reverse osmosis plant. The plant has been designed to guarantee drinking water quality.



ZULAL carried out the following projects on full EPC contract. Supplied installation and commissioning of the BWRO Plants including the supply and erection of a steel framed building and all civil works.

Waha Oil Company - Waha - Commissioned on 8th May, 2014

The water treatment plant can produce 35 m³/hr. of drinking water from the allowable well water. The plant consists of a degasser, filtration and a reverse osmosis plant. The plant has been designed to guarantee drinking water quality.



ZULAL carried out the following projects on full EPC contract. Supplied installation and commissioning of the BWRO Plants including the supply and erection of a steel framed building and all civil works.

Waha Oil Company - Es-Sider - Commissioned on 9th March, 2014

The water treatment plant can produce 25 m³/hr. of drinking water from the allowable well water. The plant consists of a degasser, filtration and a reverse osmosis plant. The plant has been designed to guarantee drinking water quality.



ZULAL carried out the following projects on full EPC contract. Supplied installation and commissioning of the BWRO Plants including the supply and erection of a steel framed building and all civil works.

Waha Oil Company - WOC Tripoli Head Quarters – Commissioned in 6th April, 2014

The water treatment plant produces 0.5 m³/hr. of drinking water from well water. The plant consists of filtration and a reverse osmosis plant. The plant has been designed to guarantee drinking water quality.



Waha Oil Company - Waha - Containerised RO Plant commissioned on 18th June, 2012

The water treatment plant can produce 35 to 42 m³/hr. of drinking water from the allowable well water. The plant consists of a degasser, filtration and a reverse osmosis plant. The plant has been designed to guarantee drinking water quality*. The plant must operate only with agreed water source.



Khoms – 2 x 500m³ /day Sea Water RO Plant

The total capacity of the plant is 2 x 500m³ /day. The technical concept for this plant is to duplicate exactly the design for the existing 500m³ /day system for the RO-unit and additional pre-/post treatment as accessories, all housed in existing building already foreseen for this expansion.



NOV – Fiber Glass Systems - Rigid GRE Pipes and Spoolable

Waha Oil Company - ZULAL deployed 1038 meters of 4" FS LP 750-X Fiber-Reinforced Spoolable flow line for Well No. M-31 at Zaggut Station (Completed Dec. 2021)



Mellitah Oil & Gas - Total 10,664 meters of FS LP 6" 750 (X) Fiber-Reinforced Spoolable LinePipe for 3 wells, which include Oil Wells A-46, A-58 and A-60, at Wafa Field (Completed Jan. 2022)





Supplying Spare parts

ZULAL regularly supply spare parts and chemicals to Waha Oil Company, Akakus Oil Operations, Mellittah Oil & Gas, Sirte Oil Company, Harouge Oil Operations and Zueitina Oil Company for any requirements in the field of Water treatment.

Operation & Maintenance Contracts

ZULAL have an Operation and Maintenance Contract in the Oil fields:

1. Akakus Oil Company - Elsharara field.
2. Waha Oil Company – Gialo, Essider & Waha RO Plants
3. Sirte Oil Company – Zelton RO Plants

After-Sales Services

1. Maintenance
2. Spare parts
3. Supply of consumables
4. Operation & Maintenance
5. Training for clients Operating staff
6. Troubleshooting

Zulal office in Europe:

ZULAL UK Ltd.
60 – Grove Road
Sutton Surrey SM1 1BT - UK
Phone: 02080905005
Email: info@Zulalltd.uk

Zulal office in Americas:

ZULAL TECH
907 East Street,
Carlisle, MA 01741
USA
Tel : (978)610-6331
Fax: (978)369-7800

Zulal office in North Africa:

ZULAL OIL AND WATER SERVICES
P.O Box 220 Tripoli - Libya
Phone: +218 91 252 2244
Phone: +218 92 252 2244
Landline: +218 21 478 2675-76
Fax: +218 21 478 2677
Website: www.zwt.ly
Email: info@zwt.ly

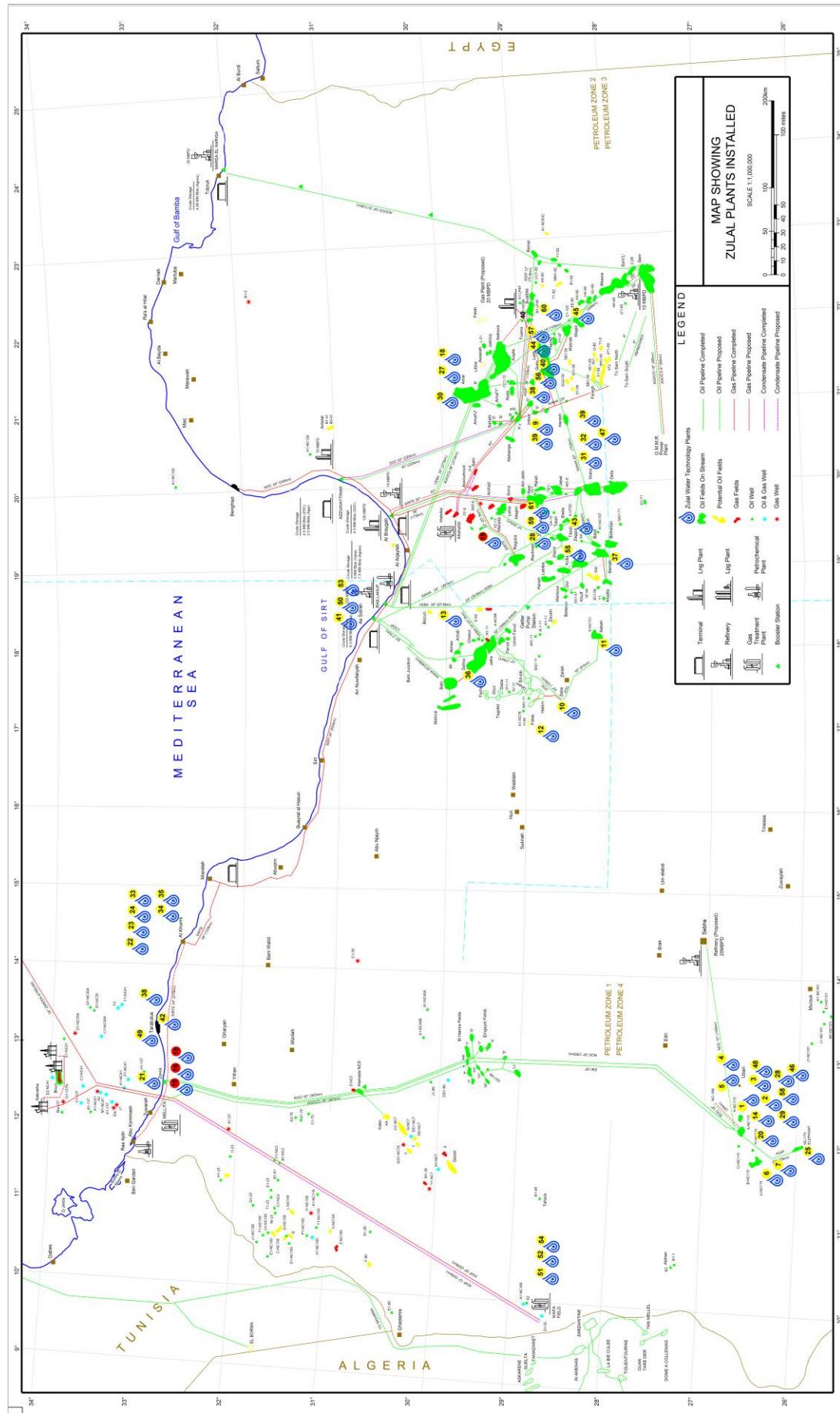


Zulal Office Location in Tripoli (Hai Al-Andalus, Gorgee Road)



ZULAL

Oil and Water Services



Projects in Libya



REFERENCE LIST

Year Contract Signed	Client / Project Name Location	Type of Plant & Project	Capacity	Equipment / Description	Completed / On going
2008	Akakus Oil Operations El Sharara Field	ZULAL carried out a full EPC Contract for Sewage Treatment Plant which included Supply, all Civil Works, Installation and Commissioning for a modular GRP Sewage Treatment Plant.	100m ³ /Day	Lifting Station, Primary Tank, Biozone Tanks, Humus Tank, Tertiary Treatment, Lifting Station Transfer Tank, Mechanical Blowers, UV System and Chemical Dosing.	Completed
2008	Akakus Oil Operations El Sharara	Operation and Maintenance Service Contract for all Water Related Plants and Equipment's. 365 Days of The Year		Sewage Treatment Plant, Water Filtration Plant Swimming Pool and Irrigation System	Completed
2008	Akakus Oil Operations El Zawia	Operation and Maintenance Service Contract for all Water Related Plants and Equipments. 365 Days of The Year		Sewage Treatment Plant, Water Filtration Plant Swimming Pool and Irrigation System	Completed
2008	Remsa Oil Operations Ubari Hospital	ZULAL carried out a full EPC Contract for Sewage Treatment Plant which included Supply, all Civil Works, Installation and Commissioning for a modular GRP Sewage Treatment Plant.	140m ³ /Day	Primary Tanks, Biozone Tanks, Humus Tanks, Tertiary Treatment, Lifting Stations, Transfer Tanks, Water Storage Tanks, Mechanical Blowers Irrigation Pumping System. Building to House all Plant.	Completed
2008	Remsa Oil Operations Ubari Hospital	Full Turnkey Project which included the Supply Installation and Commissioning of a Water Treatment System including the complete refurbishment of existing Building and Water Storage Tanks.	350m ³ /Day	Well Pumps, Multimedia Filters, Cartridge Filters, Dosing Equipments, Water Storage Tanks. External HDPE piping.	Completed
2009	Akakus Oil Operations El Sharara Field	Supply of HDPE Irrigation Pipeline Including irrigation materials; Solenoid Valves, Decoders, Data Cabling, Controller, Drip Piping and Pop Ups. Work included all Excavation and Backfilling Full Turnkey Project	1000m ³ /Day	5km of HDPE Piping, Solenoid Valves, Decoders, Data Cabling, Controller, Drip Piping and Pop Ups. g, Sprinkler Systems, Drip Piping	Completed
2009	Halliburton Oil Operations NC-115	EPC Contract for the Supply Installation and Commissioning including all civil works for a modular GRP Sewage Treatment Plant.	23m ³ /Day	Packaged Sewage Treatment Plant, Pumping Station Tertiary Treatment.	Completed
2009	Zueitina Oil Operations 103-A	Supply Installation and Commissioning of a modular GRP Sewage Treatment Plant.	64m ³ /Day	Packaged Sewage Treatment Plant, Pumping Station	Completed
2009	Zueitina Oil Operations Oxy 103-D	Supply Installation and Commissioning of a modular GRP Sewage Treatment Plant.	44m ³ /Day	Packaged Sewage Treatment Plant, Pumping Station	Completed
2009	Zueitina Oil Operations Oxy Zella	Supply Installation and Commissioning of a modular GRP Sewage Treatment Plant.	40m ³ /Day	Packaged Sewage Treatment Plant, Pumping Station	Completed
2009	Zueitina Oil Operations Oxy Sabah	Supply Installation and Commissioning of a modular GRP Sewage Treatment Plant.	18m ³ /Day	Packaged Sewage Treatment Plant, Pumping Station	Completed
2009	Zueitina Oil Operations Oxy Fidda	Supply Installation and Commissioning of a modular GRP Sewage Treatment Plant.	18m ³ /Day	Packaged Sewage Treatment Plant, Pumping Station	Completed

Year Contract Signed	Client / Project Name Location	Type of Plant & Project	Capacity	Equipment / Description	Completed / On going
2009	Zueitina Oil Operations Oxy 29C	Supply Installation and Commissioning of a modular GRP Sewage Treatment Plant.	12m ³ /Day		Completed
2009	Aquatech Ltd Khoms	Sea Water Reverse Osmosis Plant Supply, Installation of a 500m ³ /Day Sea Water Reverse Osmosis Plant including all pre and Post Treatment Systems. Supply Installation & Commissioning	500m ³ /Day	Well Pumps, Multimedia Filter Cartridge Filters Dosing Equipments Reverse Osmosis Skids Booster Pumps and energy recovery system and Remineralization Vessel.,	Completed
2009	Aquatech Ltd Khoms	EPC Contract for the Supply Installation and Commissioning including all civil works for a modular GRP Sewage Treatment Plant. Full Turnkey Project	100m ³ /Day	Primary Tank, Biozone Tanks Humus Tank, Tertiary Treatment. Lifting Station Transfer Tank, Mechanical Blowers	Completed
2010	Harouge Oil Operations Amal Field	EPC Contract for the Supply Installation and Commissioning including all civil works for a modular GRP Sewage Treatment Plant. Full Turnkey Project	80m ³ /Day	Primary Tank, Biozone Tanks Humus Tank, Tertiary Treatment. Lifting Station Transfer Tank, Mechanical Blowers	Completed
2010	Mellitah Oil & Gas B.V. EL-FEEL FIELD	Refurbishment of 2 x 5000bbl Steel Bolted Raw Water and Firefighting tanks.	5000BBL	Steel Bolted Tank	Completed
	Mellitah Oil & Gas B.V. EL-FEEL FIELD	Refurbishment of 2 x 500bbl Steel Bolted Drinking Water Tanks.	500BBL	Steel Bolted Tank	Completed
2010	Aquatech Ltd Khoms	Installation of Main Fire Fighting Pipeline including hook up to all fire Hydrants and hose reels.		Supply and Installation of a 2.5km Pipeline; 200mm, 110mm and 63mm,160mm, including all hydro testing Hooking up to all clients' hydrants and hose reels.	Completed
2010	Bonatti – Libyan Branch El-Sharara Field	Supervision of the erection of three steel bolted tanks.	1 x 960BBL 2 x 500BBL	Steel Bolted Tank, 1 x 960BBL 2 x 500BBL	Completed
2010	Harouge Oil Operations Amal Field	Supply and Erection of 2 x Steel Bolted 512BBL Tanks including the construction of tank foundation.	512BBL	Steel Bolted Tank	Completed
2012	Sirte Oil Company Zelton	Supply of 4 x 2000BBL Steel Bolted Tanks	2000BBL	Steel Bolted Tank	Completed
	Sirte Oil Company Zelton	Supply of 1 x 1000BBL Steel Bolted Tanks	1000BBL	Steel Bolted Tank	
2012	Waha Oil Company WAHA Site	Supply Installation and Commissioning of Emergency Containerised Brackish Water Reverse Osmosis Plant including degasser tower and all hook ups.	35m ³ / hr	Brackish Water Reverse Osmosis Plant Complete Turnkey Project	Completed June 2012
2012	Waha Oil Company Waha Site	Installation of 2 x 2000BBL Steel Bolted Tanks. Including all civil works.	2000BBL	Steel Bolted Tank	Completed

Year Contract Signed	Client / Project Name Location	Type of Plant & Project	Capacity	Equipment / Description	Completed / On going
2012	Aquatech Khoms / Expansion of existing plant	Supply, Installation and Commissioning of 1 x 500m ³ /Day Sea Water Reverse Osmosis Plant including all pre and post- treatment systems. Full Turnkey Project	500m3/day	Well Pumps, Multimedia Filters, Cartridge Filters Dosing Equipments Reverse Osmosis Skids, Booster Pumps	Completed
2012	Waha Oil Company Dahra Site	Dismantle existing 25-year-old 3 x 3000bbl Steel Bolted Tanks. Installation of 3 x 3000BBL Steel Bolted Tanks. Including all civil works.	3000BBL	Steel Bolted Tank	Completed
2012	Waha Oil Company Dahra Site	Dismantle existing 25-year-old 4 x 1000bbl Steel Bolted Tanks. Installation of 4 x 1000BBL Steel Bolted Tanks. Including all civil works.	1000BBL	Steel Bolted Tank	Completed
2012	Waha Oil Company Samah Site	Dismantle existing 25-year-old 2 x 2000bbl Steel Bolted Tanks. Installation of 2 x 2000BBL Steel Bolted Tanks. Including all civil works.	2000BBL	Steel Bolted Tank	Completed
	Waha Oil Company Samah Site	Dismantle existing 25-year-old 1 x 3000bbl Steel Bolted Tank. Installation of 1 x 3000BBL Steel Bolted Tank. Including all civil works.	3000BBL	Steel Bolted Tank	Completed
2012	Ministry of Health Tajoura Hospital	Supply, Installation and Commissioning of 1 x 300m ³ /Day Containerised Sea Water Reverse Osmosis Plant including all pre- and post- treatment systems. Full Turnkey Project	300m ³ /day	Containerized Sea Water Reverse Osmosis Plant Multimedia Filter Cartridge Filters Dosing Equipments Reverse Osmosis Skids Booster Pumps and energy recovery system.	Completed
2013	Housing & Infrastructure Board Bir Emdakem	EPC Contract for the supply of 1 x 750m ³ /Day Brackish Water Reverse Osmosis Plant Full Turnkey Project	750m ³ /Day	Prefabricated Building. Well Pumps, Multimedia Filters, Cartridge Filters Dosing Equipment Reverse Osmosis Skids, Booster Pumps	On Hold
	Housing & Infrastructure Board Marada	EPC Contract for the supply of 1 x 750m ³ /Day Brackish Water Reverse Osmosis Plant Full Turnkey Project	750m ³ /Day	Prefabricated Building. Well Pumps, Multimedia Filters, Cartridge Filters Dosing Equipment Reverse Osmosis Skids, Booster Pumps	On Hold
	Housing & Infrastructure Board Bir Shelguda	EPC Contract for the supply of 1 x 750m ³ /Day Brackish Water Reverse Osmosis Plant Full Turnkey Project	750m ³ /Day	Prefabricated Building. Well Pumps, Multimedia Filters, Cartridge Filters Dosing Equipment Reverse Osmosis Skids, Booster Pumps	On Hold
	Housing & Infrastructure Board Bir Elghanem	EPC Contract for the supply of 1 x 1500m ³ /Day Brackish Water Reverse Osmosis Plant Full Turnkey Project	1500m ³ /Day	Prefabricated Building. Well Pumps, Multimedia Filters, Cartridge Filters Dosing Equipment Reverse Osmosis Skids, Booster Pumps	On Hold
2013	Waha Oil Company Tripoli Office	Supply, Installation and Commissioning of 1 x 10m ³ /Day Containerised Brackish Water Reverse Osmosis Plant including all pre- and post- treatment systems. Full Turnkey Project	10m ³ /day	BWRO, Mechanical and electrical interconnecting, Local HDPE Tanks; Raw Water Storage, Product Water Storage Reverse Osmosis Unit complete with all Pre and Post Treatment Systems.	Completed

Year Contract Signed	Client / Project Name Location	Type of Plant & Project	Capacity	Equipment / Description	Completed / On going
2013	Waha Oil Company Gialo Site	Full EPC Contract for the Supply Installation and Commissioning of 3 x 600m³/Day Brackish Water Reverse Osmosis Systems including all pre-post treatment systems, including degasser tower and all M&E Hook-up.	25m³/hr	Reverse Osmosis Plant and all Pre-Post Treatment Systems.	Completed Jan. 2014
2013	Waha Oil Company Es sider Site	Full EPC Contract for the Supply Installation and Commissioning of 3 x 600m³/Day Brackish Water Reverse Osmosis Systems including all pre-post treatment systems, including degasser tower and all M&E Hook-up.	25m³/hr	Reverse Osmosis Plant and all Pre-Post Treatment Systems.	Completed Feb. 2014
2013	Waha Oil Company Waha Site	Full EPC Contract for the Supply Installation and Commissioning of 3 x 840m³/Day Brackish Water Reverse Osmosis Systems including all pre-post treatment systems, including degasser tower and all M&E Hook-up.	35m³/hr	Reverse Osmosis Plant and all Pre-Post Treatment Systems.	Completed April 2014
2013	Waha Oil Company Gialo Site	Supply and Erection of 1 x Reid Steel Structured Building to house all water treatment plant and equipment including all civil works .		All civil works, to house water plant	Completed Jan. 2014
2013	Waha Oil Company Es sider Site	Supply and Erection of 1 x Reid Steel Structured Building to house all water treatment plant and equipment including all civil works .		All civil works, to house water plant	Completed Feb. 2014
2013	Waha Oil Company Waha Site	Supply and Erection of 1 x Reid Steel Structured Building to house all water treatment plant and equipment including all civil works .		All civil works, to house water plant	Completed April 2014
2014	Ferrostaal GMBH	Supply of 2 x 5000BBL	5,000bbl	2 x 5000BBL Steel Bolted Tanks	Completed
2014	Waha Oil Company	Supply of 2 x 2000BBL	2,000bbl	Steel Bolted Tanks	Completed
2015	Waha Oil Company Waha Field Gialo Field Es-sider Terminal	Service Contract	Waha – 35m³/hr Gialo 25m³/hr Es-sider 25m³/hr	Technical Support services for the Operation and Service of Reverse Osmosis Plant including all pre-post Treatment Systems.	Completed
2016	Waha Oil Company Waha Field Gialo Field Es-sider Terminal	Service Contract	Waha – 35m³/hr Gialo 25m³/hr Es-sider 25m³/hr	Technical Support services for the Operation and Service of Reverse Osmosis Plant including all pre-post Treatment Systems.	Completed
2017	Akakus Oil Operations El Sharara	Service Contract 365 Days of The Year		Technical Support services for the Operation and Service of Reverse Osmosis Plant including all pre-post Treatment Systems.	Completed
2017	Mellitah Oil & Gas – Libyan Branch Abu-attifel field	Supply Installation and Commissioning of a of 4m³/day Brackish Water Reverse Osmosis Plant.	4m³ /day	Technical Support services for the Operation and Service of Containerised Reverse Osmosis Plant including all pre-post Treatment Systems.	Completed

Year Contract Signed	Client / Project Name Location	Type of Plant & Project	Capacity	Equipment / Description	Completed / On going
2017	Akakus Oil Operations Azzawiya	Refurbishment work of the existing Zawia Sewage Plant (Sand Filter)		Supply spare parts and Install	Completed
2018	Akakus Oil Operations El Sharara	Service Contract 365 Days of The Year		Technical Support services for the water and waste water plants including the swimming Pool and irrigation plants	Completed
2019	Akakus Oil Operations El Sharara	Fire Fighting Piping Modification at CCX El-Sharara	8" & 10" GRE Bondstrand Piping	Replacement of Corroded Steel Fire Piping Lines with 8" & 10" GRE Bondstrand Piping including all Civil Works and commissioning on completion.	Completed
2019	Akakus Oil Operations El Sharara	Service Contract 365 Days of The Year		Technical Support services for the water and waste water plants including the swimming Pool and irrigation plants	Completed
2019	Akakus Oil Operations El Sharara	CCX Water Utilities Tanks Inspection & Repair Inspection & Maintenance Works for: 2 x 10000BBL Fire Fighting Tanks, 1 x 10000BBL Raw Water Tank and 1 x 10000BBL Product Water Tank at El Sharara Central Complex NC-115.	4 x 10000BBL	4 x 10000BBL Steel Water Storage Tanks	Completed
2019	Waha Oil Company Waha Field	Disassembly of 2 x 2000BBL Steel Bolted Tanks, Construction of 2 x Foundations measuring 33' 8 5/8". Erection of New 2 x Steel Bolted Tanks complete with hooking up of all piping connections and hydrotesting. All Civil Works for Tank Foundations.	2 x 2000BBL	2 x 2000BBL Steel Bolted Tanks	Completed
2019	Waha Oil Company Waha Tripoli Office	Recommission of Containerised Reverse Osmosis Water Treatment Plant at Waha Tripoli office	10m³/day	Recommissioning RO plant at Waha Tripoli office	Completed
2019	Waha Oil Company Es-sider Field	Erection of New 1 x Steel Bolted Tanks complete with hooking up of all piping connections and hydrotesting and including the refurbishment of tank foundations	1 x 2000BBL	2 x 2000BBL Steel Bolted	Completed
2019	Mellitah Oil & Gas B.V. Wafa Field	Supply of Fiberspar GRE Spoolable Flowline Pipe for Oil Well A58 (FS LP 6" 750 X)	5000m	Fiberspar FSLP 6" 750 X Spoolable Pipe	Completed
2019	Mellitah Oil & Gas B.V. Wafa Field	Supply of Fiberspar GRE Spoolable Flowline Pipe for Oil Well A59 (FS LP 6" 750 X)	3000m	Fiberspar FSLP 6" 750 X Spoolable Pipe	Completed
2020	Mellitah Oil & Gas B.V. Wafa Field	Supply of Fiberspar GRE Spoolable Flowline Pipe and fittings for Oil Well A46 (FS LP 6" 750 X)	3500m	Fiberspar FSLP 6" 750 X Spoolable Pipe	Completed
2020	Akakus Oil Operations El Sharara	Service Contract 365 Days of The Year		Technical Support services for the water and waste water plants including the swimming Pool and irrigation plants	Completed
2020	Waha Oil Company Gialo Field	Supply of Fiberspar GRE Spoolable Flowline Pipe complete with all required flanges and connectors for Oil Well E-377 (FS LP 4" 750X)	1200m	Fiberspar FSLP 4" 750 X Spoolable Pipe	Completed

Year Contract Signed	Client / Project Name Location	Type of Plant & Project	Capacity	Equipment / Description	Completed / On going
2020	Waha Oil Company Zaggut Station	Supply of Fiberspar GRE Spoolable Flowline Pipe complete with all required flanges and connectors for Oil Well M-31 (FS LP 4" 750X)	1600m	Fiberspar FSLP 4" 750 X Spoolable Pipe	Completed
2020	PetroTechna	Supply of Fiberspar GRE Spoolable Pipe (FS LP 5" 750X)	3840m	Fiberspar FSLP 5" 750 X Spoolable Pipe	Completed
2020	Sirte Oil Company Zelton Field	Supply of 2 x 300m ³ /Day BWRO Water Treatment Plants	2 x 300m ³ /day	BWRO, Mechanical and electrical interconnecting, Permeate Raw Water Storage, Product Water Storage, Concentrate Waste	Completed
2020	Akakus Oil Operations El- Sharara	Supply and Erection of 1 x 10000BBL including the refurbishment of Tank Ring Beam Foundation.	1 x 10000BBL	Steel Bolted Tank	Completed
2021	Akakus Oil Operations El Sharara	Service Contract 365 Days of The Year		Technical Support services for the water and waste water plants including the swimming Pool and irrigation plants	On Going
2021	Mellitah Oil & Gas B.V.	Supply, Installation and Commissioning of 1 x 20m ³ /Day Containerised Brackish Water Reverse Osmosis Plant including all pre- and post- treatment systems. Full Turnkey Project	1 x 20m ³ /Day	Reverse Osmosis Plant, Mechanical and electrical interconnecting, Permeate & Raw Water Storage Tanks	Completed
2021	Sirte Oil Company Zelton	Erection of 4 x 2000BBL Steel Bolted Tanks. Including the supply and installation of all above and below ground interconnecting piping.	2000BBL	Steel Bolted Tank	Completed
2021	Sirte Oil Company Zelton	Erection of 1 x 1000BBL Steel Bolted Tanks. Including the supply and installation of all above and below ground interconnecting piping.	1000BBL	Steel Bolted Tank	Completed
2021	Waha Oil Company Zaggut Field	ZULAL along with 2 x NOV Certified Technicians Supervised the Deployment of Fiberspar (FS LP 4" 750 X) GRE Spoolable Pipe for Oil Well M31. All piping was Hydrotested upon completion.	1038m	Fiberspar FSLP 4" 750 X Spoolable Pipe	Completed
2022	Mellitah Oil & Gas B.V. Wafa Field	ZULAL along with 2 x NOV Certified Technicians Supervised the Deployment of Fiberspar (FS LP 6" 750 X) GRE Spoolable Pipe for Oil Well A58. All piping was Hydrotested upon completion.	5000m	Fiberspar FSLP 6" 750 X Spoolable Pipe	Completed
2022	Mellitah Oil & Gas B.V. Wafa Field	ZULAL along with 2 x NOV Certified Technicians Supervised the Deployment of Fiberspar (FS LP 6" 750 X) GRE Spoolable Pipe for Oil Well A60. All piping was Hydrotested upon completion.	3000m	Fiberspar FSLP 6" 750 X Spoolable Pipe	Completed
2022	Mellitah Oil & Gas B.V. Wafa Field	ZULAL along with 2 x NOV Certified Technicians Supervised the Deployment of Fiberspar (FS LP 6" 750 X) GRE Spoolable Pipe for Oil Well A46. All piping was Hydrotested upon completion.	3500m	Fiberspar FSLP 6" 750 X Spoolable Pipe	Completed

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2022	Akakus Oil Operations Azzawiya	Removal of the redundant water treatment plant. Supply, Installation and Commissioning of 150m ³ /day Sea Water Reverse Osmosis Water Treatment Plant complete with all Pre & Post Treatment Systems.	150m ³ /day	Sea Water Reverse Osmosis Plant complete with energy recovery and Pre & Post Treatment Systems. Including Mechanical and Electrical interconnecting.	Completed
2022	Akakus Oil Operations Fire Fighting Network in NC-186 El-Sharara	Fabrication and Supply of 1 x 250mm GRP pipe spool to replace the badly leaking existing Firefighting piping. ZULAL carried out all Installation work in the field.		1 x 250mm GRP pipe spool	Completed
2022	Waha Oil Company	Supply 2 x 2000bbl Columbian Steel Bolted Tanks	2000BBL	Steel Bolted Tanks	Completed
2023	Waha Oil Company Gialo Field	Waha Deployed the Fiberspar (FS LP 4" 750 X) Spoolable Pipe for Oil Well E-391, supplied by Zulal.	1700m	Fiberspar FSLP 4" 750 X Spoolable Pipe	Completed
2023	Akakus Oil Operations GOSP B – NC115 El-Sharara Field	Supply and Installation New Sewage Treatment Plant & Irrigation System	PE-100 (30m ³ /day)	Modular Sewage Treatment Plant, Steel bolted Tank, Irrigation System	Completed
2023	Waha Oil Company Waha Field Gialo Field Es-sider Terminal	Service Contract	Waha – 35m³/hr Gialo 25m³/hr Es-sider 25m³/hr	Technical Support services for the Operation and Service of Reverse Osmosis Plant including all pre-post Treatment Systems.	Completed
2023	Akakus Oil Operations El-Sharara CCX Facilities	Supply, Erection and Testing of One (1 x 10,000BBL Steel Bolted) Filtered Water Tank; and the Supply, Erection and Testing, including Civil & Earthing Works of One (1 x 10,000BBL Steel Bolted) Irrigation Water Tank	2 x 10000 BBL	Carbon Steel Bolted Type Tanks – HydroTec CS (by Columbian TecTank – USA)	On going
2023 & 2024	Waha Oil Company	Supply of the Fiberspar (FS LP 6" 750 X) Spoolable Pipe for Oil New Wells	121 km kilometers	Fiberspar FSLP 6" 750 X Spoolable Pipe, with all interconnecting tools and materials	Completed
2023 & 2024	Waha Oil Company	Supply of the Fiberspar (FS LP 4" 750 X) Spoolable Pipe for Oil New Wells	114 km kilometers	Fiberspar FSLP 4" 750 X Spoolable Pipe, with all interconnecting tools and materials	Completed
2025	Waha Oil Company Samah Field	Supply & Installation of 1 x 150m ³ /Day Containerised Brackish Water Reverse Osmosis Plant	150m³/Day	BWRO Plant with Mechanical and electrical interconnecting inside Container, including all pre- and post- treatment systems.	Completed

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2024	Waha Oil Company Gialo Field	Supply & Installation 1 x 2000bbl Columbian Steel Bolted Tanks	2000BBL	Steel Bolted Tanks	Completed
2025	Waha Oil Company Dahra Field	Supply of Fiberspar RTP Spoolable Pipe (FS LP 6" 750X) with all connectors, fittings and installation tools	15,000 meters	Fiberspar FSLP 6" 750X Spoolable RTP Pipe & connectors	Completed
2025	Waha Oil Company Dahra Field	Supply of Fiberspar RTP Spoolable Pipe (FS LP 4" 750X) with all connectors, fittings and installation tools	35,000 meters	Fiberspar FSLP 4" 750X Spoolable RTP Pipe & connectors	Completed
2025	Akakus Oil Operations Zawia Tank Farm	Refurbishment and Service of Sewage Treatment Plant and all associated equipment, pumps and tanks.	30m ³ /day	Modular Sewage Treatment Plant, Steel bolted Tank,	Completed
2024 & 2025	Waha Oil Company Es-sider Field	Supply & Installation of 2 x 2000bbl Columbian Steel Bolted Tanks	2000BBL	Steel Bolted Tanks	Ongoing



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