



Union Dredgers Marine Contracting







About the company

Union Dredgers and Marine Contracting is a dynamic and highly respected company operating out of the UAE since 2007 and is part of the Union Group of companies. During this period we have established a reputation for providing excellent service and knowledgeable solutions at all levels of business as we continue to grow and expand our operation.



Operating out of our head office in United Arab Emirates, UDMC manage and control all aspects of the company activities which stretch along the coast of the Arabian Gulf, down the Eastern Arabian Peninsula and to the shores of India. Backing up our operations are facilities in Dubai Maritime City, Ras Al Khaimah and Muscat Oman.

Our expanding fleet of Barges, Tug Boats, Dredgers, Supporting marine equipment and dedicated staff are ready to serve you and your team on your next marine project.

Whether it is a small weekly maintenance contract or a long term dredging contract, UDMC are ready to accept the challenge.

Working together as a close team, we are committed to product innovation, engineering excellence, total quality management and customer satisfaction. UDMC always strive to understand the need of our clients and are totally focused on meeting our client's requirements.





Our Vision

To be the market leader in coastal marine contracting and coastal maintenance services within our chosen markets recognizable to our clients and stakeholders by our reliability, delivery, technical capability, safety, quality and development of highly skilled staff.



Our Team

At UDMC we pride ourselves on our committed workforce. All our senior management, dedicated engineers and hardworking ground forces have vast experience in marine contracting. By efficiently utilizing our experienced work force and project management systems, our team completes turnkey projects to the highest standard, within budget and within the agreed time frame. They are truly our greatest asset.



Environment

UDMC's continued endeavours to deliver excellent quality encouraged us to make a commitment towards the environment therefore becoming an ISO 14001 certified company. With focus on continually developing efficient ways to reduce environmental harm for the whole duration of any given project, our QHSE department is constantly monitoring and improving processes to ensure that we minimize our impact on the planet.



Quality

At UDMC, quality is second nature. It is our policy and commitment to provide the highest quality goods and services available, thereby allowing our customers to receive the end product they envisioned. Whether it is the beginning, middle or end of a project, our QHSE team works with each department to reinforce the need for clear and precise communication and an emphasis on quality. We believe with greater communication comes a greater awareness, leading to an increase in efficiency and effectiveness of our services.



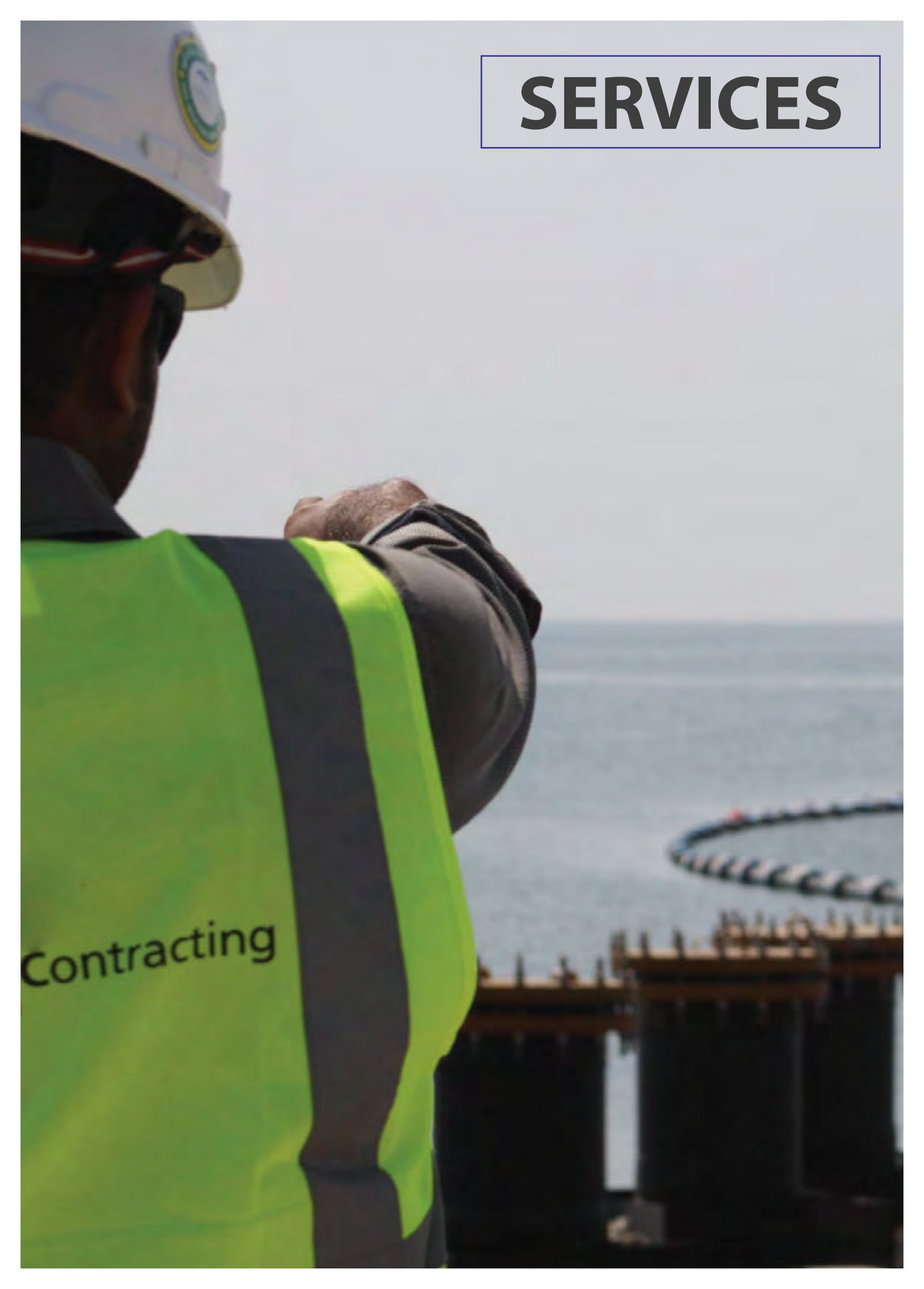
Health and Safety

Our employees are our greatest asset; they are our work mates, friends and part of the team. Therefore every effort is made to ensure their health, safety and wellbeing at work. With continued focus on training and consistent monitoring we can ensure that all staff are made aware of the potential for injuries and actions that can be taken to mitigate risks. We have OHSAS 18001 accreditation, further demonstrating our commitment to health and safety.



SERVICES

Contracting

A construction worker is shown in profile, wearing a white hard hat with a logo and a high-visibility yellow safety vest. The vest has the word "Contracting" printed on it. The worker is looking out over a large body of water, possibly a port or a large reservoir. In the background, a curved structure, likely a bridge or a large-scale construction project, is visible against a clear sky.



DREDGING

Union Dredgers Marine Contracting has developed a broad knowledge of dredging throughout its years of operation within the UAE and other GCC countries. Projects that have been and can be undertaken by UDMC within the marine industry include:

- De-silting marinas/channels
- Dredging of existing channels
- Beach reprofiling
- Dredging of pipeline trenches
- Creation of new water channels
- Miscellaneous Operations

UDMC's ability to compete with other top competitors in the dredging of various projects and soil types stems from its years of experience in the marine industry and its expanding fleet of vessels and marine equipment. UDMC's vessels include:

- Backhoe dredger
- Portable pontoon
- Cutter suction dredger
- Flat top barges

In addition to its larger vessels UDMC maintains a number of smaller dredging units including:

- Electrical submersible dredging pumps
- Jetting suction pumps
- Hydraulic dredging pumps
- Dredging booster pumps

UDMC's competence in dredging operations is further achieved with our skilled engineers and technicians who are capable of executing large scale projects with excellence.



DREDGING



OFFSHORE PIPELINE INSTALLATION

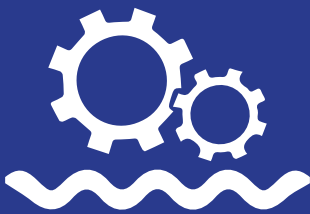
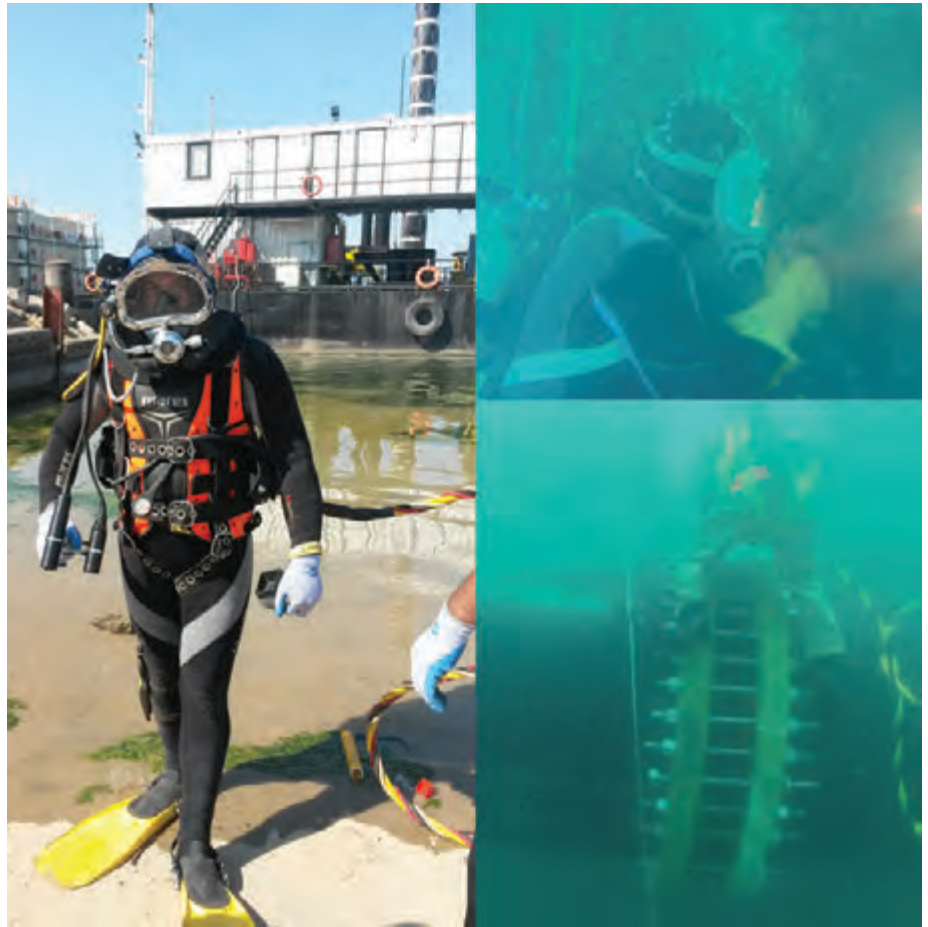
When it comes to offshore pipeline installation works, UDMC are the specialists. We supply, install and commission HDPE, concrete and GRP pipelines of various sizes and configurations throughout the GCC for both government and private projects, with the vast majority being pipeline installation projects for desalination and power plants. Our proven capabilities includes supply and manufacturing of pipelines, diffusers, intake screens, manholes, concrete blocks, gabions and other accessories as required. Union Dredgers is able to handle the complete scope, from onshore and offshore excavation, pipe welding, laying, testing and commissioning.

Our experienced design team is capable of designing and managing a full turnkey marine system to meet all your needs from feed to final approval. A few examples of some of the design aspects we can produce are:

- Conceptual design of concrete ballast blocks for pipelines .
- Conceptual design and general arrangement drawings of intake well and velocity cap.
- Conceptual design of diffuser systems.
- General arrangement of land side pipe routing .
- General arrangement of pumping machinery and allied accessories.
- Sizing of sea water intake pipes.
- Sizing of sea water intake pumps.
- Hydraulic flow diagram.
- General arrangement for a gravity based intake and outfall pipeline.



OFFSHORE PIPELINE INSTALLATION



MARINE SERVICES

MARINE SERVICES

Diving Services

As you would expect from a leading marine company we have a team of fully certified professional divers who are qualified to undertake specialized diving services as per our client requirements. Some of the operations our diving team undertake are as follows:

- Intake screen cleaning.
- Vessel surveys .
- Underwater video/photo surveys .
- Underwater installation (Pneumatic).
- Underwater welding .
- Underwater cleaning.
- Beach cleaning .
- Salvage.
- Cable laying .

Marina & Beach Maintenance

UMDC currently manage several contracts in which our clients require their facility to be at its best. Our team periodically conducts maintenance, cleaning and surveying operations and then submit a comprehensive report on every visit, thereby allowing the client to enjoy their facilities knowing all equipment is safe and operational.

Surveys

With our fully certified survey team, boats and equipment we are fully qualified in providing the following survey services.

- Bathymetric survey.
- Geotechnical survey.
- Side scan sonar survey.
- Single beam and multi beam sonar scan survey.



MARINE CONSTRUCTION

Sheet Piling

Sheet piles are long structural sections with interlocking connections, driven into the ground with impact or vibratory hammers to form an impermeable barrier. With our vast experience in erecting sheet piling with our specialized equipment we can ensure that trenches and excavation pits are safe to work and reach desired depths.

Geotextile Tubing

UDMC has actively been involved in the supply & installation of geotextile tubing for beach protection. We use geotextile sheets and other materials to protect the beaches from erosion due to the shifting tides, storm damage and other natural occurrences. We can also supply silt curtains to protect debris from dredging works spreading to other areas.

Revetment and Scour Protection

UDMC have successfully completed the design and installation of rock armor barriers around marinas, fishing harbors and as part of beach protection works. We also carry out rock armor repairs and scour protection

Slipway Design and construction

UDMC designs and constructs slipways for various marinas within the UAE. Our slipways are constructed using cost effective methods providing minimal disruption to the environment and offering completion in record time.

Floating Marina Installation

UDMC has installed a number of permanent and temporary floating marinas. The team at UDMC can design, supply and install marinas in accordance with client's requirements.



**MARINE
CONSTRUCTION**

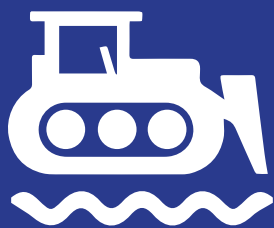


EQUIPMENT HIRE

UDMC has a large range of marine equipment ranging from barges to tug boats, to dredging pumps and more. All our equipment is well maintained and in good working condition.

The Marine Equipment we have available to hire includes :

- Tug Boats
- Flat top barges .
- Excavator barges.
- Pontoons.
- Dredging pumps.
- Dredgers.
- Sheet piling equipment.
- Dredging discharge pipes.
- Winches.
- Excavators.
- Backhoe dredgers.
- Many more...



EQUIPMENT
HIRE



CUSTOM FABRICATION

Our design and fabrication team have the ability to design and manufacture small pontoons, barges and any customized equipment required by the client. These can be custom fabricated to suit clients specific needs and can be designed to be disassembled for easy transportation. Some of the fabricated items we have manufactured for our clients include:

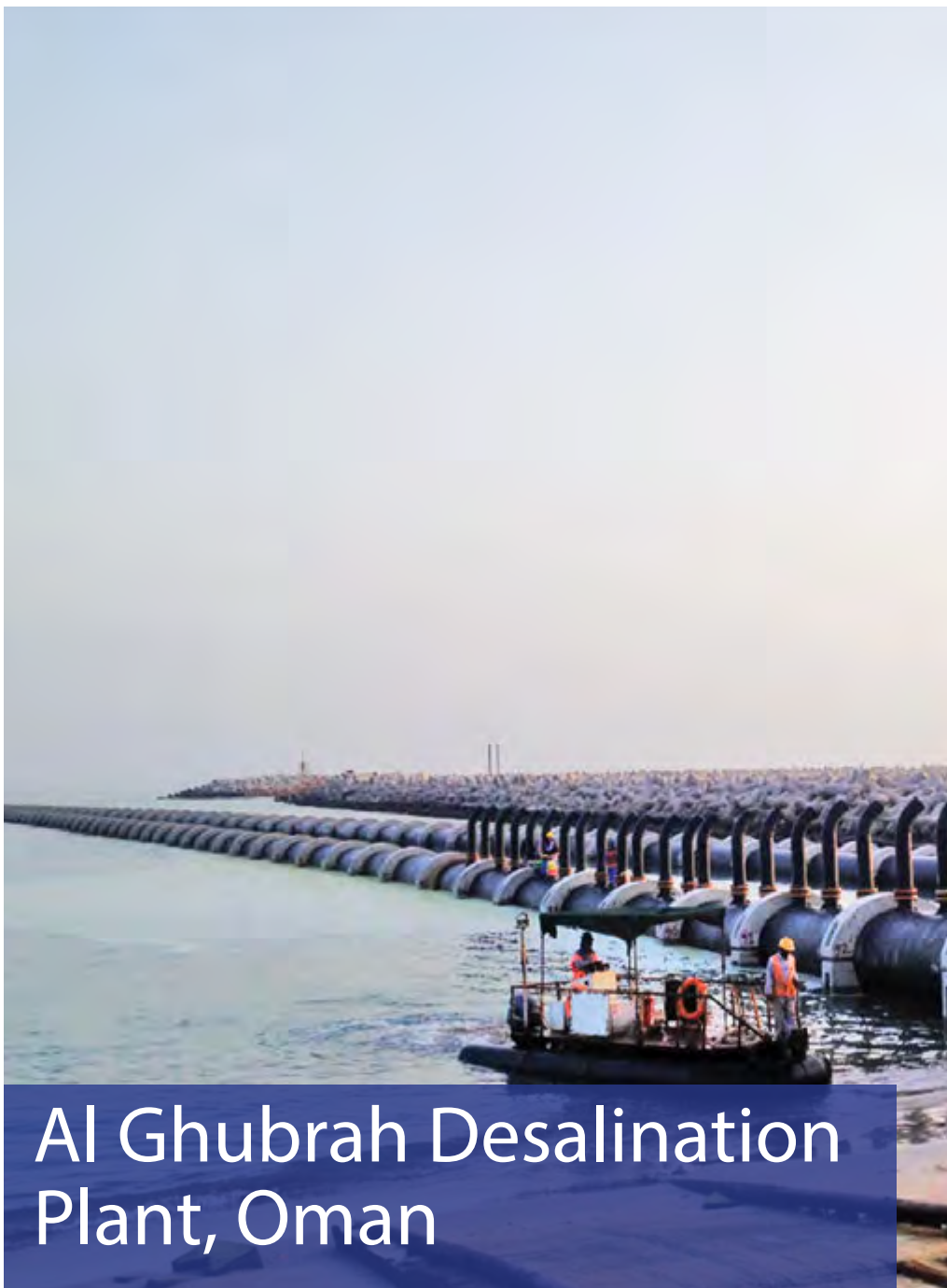
- Diffuser
- HDPE passive intake screen
- Marker buoys
- Barrier Systems
- Pontoons
- Concrete blocks
- Many more...



CUSTOM
FABRICATION

PROJECTS





Al Ghubrah Desalination Plant, Oman

SCOPE OF WORK

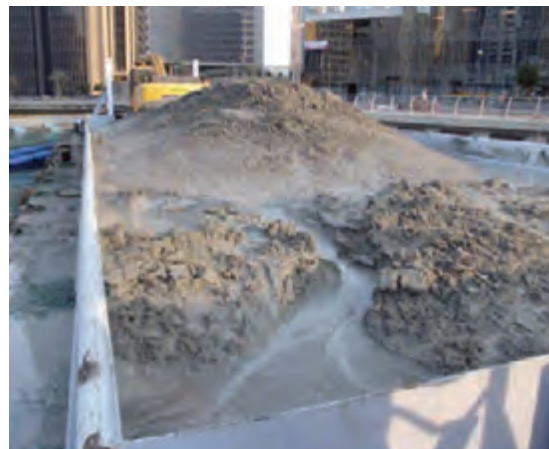
- 4.5 KMS of 1830 mm & 2053 mm Diameter HDPE pipeline
- Dredging Works
- Hdpe Welding & Hydrostatic Testing

Client: Muscat City Desalination Plant S.A.O.C.

Consultant: Mott MacDonald.

Main Contractor: International Water Treatment
The Supply, Installation, Testing and Commissioning of an Intake and Outfall Line for the Al Ghubrah Desalination Plant in Oman.
The Scope of the project included:

- Supply, install, test and commission 4.5kms of 2200mm and 1800mm diameter HDPE intake and outfall pipes.
- Offshore dredging works
- HDPE Welding utilising our 2200mm butt fusion welding machine.
- Hydrostatic testing .
- Diving operations to aid with installation and surveying.
- Supply and installation of Passive Intake screens, Diffuser's and Scourer Protection.



Dredging in Dubai Marina - Dubai

Client: Emaar

Desilting and dredging operations within Dubai Marina. The project required the removal and disposal of silt and construction waste using a combination of dredging techniques. Silt curtains and custom fabricated dredging pontoons were deployed along with strict procedures to protect the sensitive environment within the marina. Our divers also conducted a detailed video survey of the area before, during and after excavation and dredging works.

SCOPE OF WORK

- Desilting of Marina Waterways.
- Videographic & Bathymetric Survey.
- Custom Fabricated Pontoons.



Beach Reclamation on Palm Jumeriah - Dubai

SCOPE OF WORK

- 65,000 LM of beach reprofiled.
- Dredging between fronds.
- Customised low impact equipments.

Client: Nakheel.

Beach reclamation and profiling work's for the Palm Jumeirah. With 65 Kilometers of beaches and constant erosion, UDMC were contracted to carry out the beach reclamation works. Sand was dredged from the water between the fronds using specialized low impact, custom fabricated, dredging equipment before being deposited onto depleted beaches. Earthmoving equipment was then utilized to return the beaches to the original profile.



Rock Revetment in Al-Maryah Island, Abu Dhabi

Client: Mubadala.

Consultant: Atkins & Overseas Partners

Main Contractor: Al Naboodah National Contracting Group LLC

- Dredging Works underneath the bridge to increase the depth of the Waterway.
- Supply and installation of Rock protection under two bridges in Abu Dhabi. The project required excavation, dredging and levelling of the existing ground area. Geotextiles were then installed for the base of the rock armour.
- Revetment rocks were then positioned as per design drawings using heavy equipment.

SCOPE OF WORK

- Dredging.
- Rock Revetment.
- Videographic & Bathymetric Survey.



Offshore Pipeline Installation in Khorfakkan-Sharjah

SCOPE OF WORK

- 1.2m Dia HDPE intake pipeline.
- 1208m HDPE Pipeline Welding.
- Dredging

Client: Sharjah Electricity & Water Authority

- Supply, Installation and commissioning of 1.2 metre diameter HDPE Intake Pipeline, Air Burst and Chlorination Pipeline
- HDPE Welding of the 1208 Metres of HDPE Pipes
- Supply and Installation of Intake Screens
- Excavating and Backfilling of the 1200 Metre Offshore Trench

Other Key Projects

- Installation of Slipway in Al Hamra .
Al Hamra Construction, Ras Al Khaimah
- Hire of Barge and Heavy Equipment for Dredging works.
Saif Bin Zayed Al Nahayan, Abu Dhabi
- Sheet Piling and Dredging.
Atco General Contracting Co. L.L.C., Abu Dhabi
- Annual Maintenance Contract for Cleaning of Intake Screens for Government Desalination plants.
Federal Water and Electricity Authority, Ajman
- Dredging works on Al Raha beach.
Dutco Balfour Beatty L.L.C., Abu Dhabi
- 630mm HDPE Offshore Pipeline Installation for a Power Plant .
Private Company, Ras Al Khaimah
- Supply and Installation of a custom manufactured Oil Lagoon Floating Platform.
Beea'h Sharjah Development Company, Sharjah
- 3.9km 750mm Diameter HDPE Offshore Pipeline Installation for Desalination plant in Duqm.
VA Tech Wabag Ltd., Oman
- 2.7km 1400mm Diameter HDPE Offshore Pipeline installation for Al Zawrah Desalination Plant.
Federal Water and Electricity Authority, Ajman
- 710mm Diameter Offshore Pipelines Installation for a Desalination Plant.
Fujairah Fresh Water Co., Fujairah
- 355mm Diameter Offshore Pipeline Installation Project for a Desalination plant.
Nagarjuna Construction Company International, Oman
- 1200mm Diameter HDPE Offshore Pipeline Installation for a Desalination plant.
Emirates Sembcorp Water and Power Company Fujairah



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