



About Us

Union Dredgers and Marine Contracting (UDMC) is a dynamic and well-respected coastal marine contracting company serving the United Arab Emirates (UAE) since 2007. Over the years, we have built a strong reputation for delivering exceptional service and expert solutions across all levels of operation, continuously growing and expanding our business.



UDMC oversees and manages every aspect of its operations, ensuring seamless coordination and control across all company activities. With extensive expertise and a commitment to excellence, we have successfully completed projects along the entire UAE coastline, consistently delivering high-quality results.

Our team is equipped to handle every phase of a project, from planning and design to execution and completion, allowing us to meet the diverse needs of our clients across a wide range of coastal environments.

At UDMC, we pride ourselves on working as a cohesive and collaborative team, dedicated to driving innovation, engineering excellence, and a commitment to total quality management. Our approach is centered around delivering the highest standards of service and ensuring complete customer satisfaction. We make it a priority to thoroughly understand the unique needs and goals of our clients, and we are relentless in our focus on meeting their specific 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 take great pride in our dedicated and highly skilled workforce. Our senior management, experienced engineers, and hardworking field teams bring a wealth of expertise in marine contracting. By leveraging their extensive experience and utilizing advanced project management systems, we aim to ensure that each project is completed to the highest standards, on budget, and within the agreed timeframe. Our team's commitment and expertise are the cornerstone of our success, and they are truly our greatest asset.

Environment

UDMC's ongoing commitment to delivering exceptional outcomes has driven us to prioritize environmental responsibility, leading to our certification as an ISO 14001 company. With a focus on continuously improving our practices to reduce environmental impact throughout the entire lifecycle of each project, our QHSE department plays a key role in monitoring and refining processes. This ensures we consistently minimize our ecological footprint and contribute to sustainable, environmentally-conscious operations at every stage of our work.

Quality

At UDMC, quality is at the core of everything we do. We are committed to delivering the highest standard of goods and services, ensuring that our customers receive the results they envision. From the start to the completion of every project, our QHSE department emphasizes the importance of clear, precise communication with a strong focus on quality and continuous development. We believe that enhanced communication fosters greater awareness, which in turn boosts the efficiency and effectiveness of our services.

Health and Safety

Our employees are our most valuable asset—they are not only our colleagues but also our friends and integral members of the team. As such, we are fully committed to safeguarding their health, safety, and well-being in the workplace. Through ongoing training and regular monitoring, we ensure that all staff are fully informed about potential hazards and the proactive measures that can be taken to minimize risks. Our OHSAS 18001 accreditation underscores our dedication to maintaining the highest health and safety standards across all operations.



Our Services



UDMC has built a comprehensive and diverse expertise in dredging over many years of operation across the UAE and other GCC countries. The company has gained significant experience in a wide range of specialized dredging services, making it a trusted partner for projects of varying complexity and scope. UDMC's capabilities include, but are not limited to, the desilting of marinas and channels, the dredging of pipeline corridors to facilitate infrastructure development, and the excavation of navigation channels to ensure safe and efficient maritime operations. Additionally, the company is skilled in beach re-profiling dredging, which is crucial for coastal protection, erosion control, and enhancing beach aesthetics. With its deep understanding of local environmental conditions and regulatory requirements, UDMC delivers sustainable, high-quality dredging solutions that meet the unique needs of each project while maintaining minimal environmental impact.





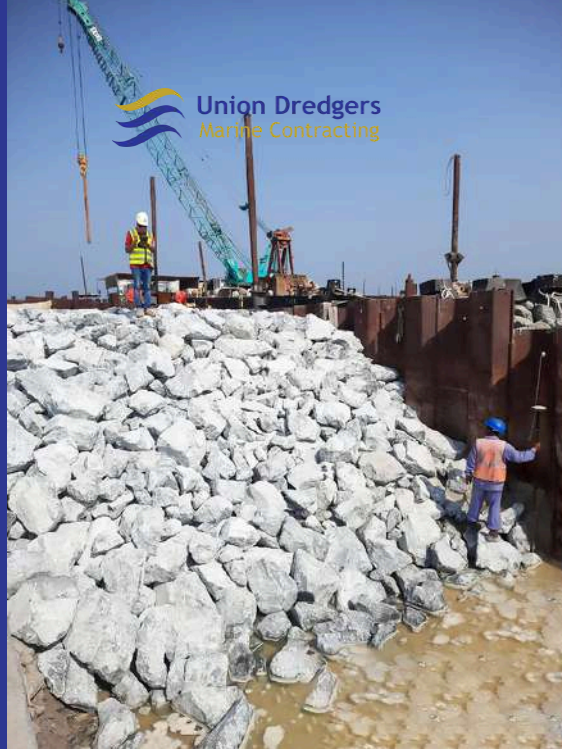
OFFSHORE PIPELINE INSTALLATION



UDMC is a recognized leader in offshore pipeline installation, specializing in the supply, installation, and commissioning of HDPE, concrete, and GRP pipelines of varying sizes and configurations across the GCC region. With extensive experience in both government and private sector projects, the company has significant experience completing pipeline installations for desalination plants, waste water plants and power plants.

Our capabilities encompass the full range of pipeline-related services, including the supply and jointing of pipelines, diffusers, intake screens, manholes, concrete blocks, gabions, and other essential accessories. UDMC is equipped to manage the entire scope of offshore pipeline projects, from onshore and offshore excavation to pipe welding, laying, testing, and final commissioning.

In addition to our installation expertise, UDMC's experienced design team excels in creating comprehensive, turnkey marine systems tailored to meet the specific requirements of each project. From initial concept through to final approval, we offer end-to-end solutions that ensure high-quality, efficient, and reliable marine pipeline infrastructure.



MARINE CONSTRUCTION

Sheet Piling

Drawing on our extensive experience and specialized equipment, we ensure the precise installation of sheet piling to provide safe and stable support for trenches and excavation pits. This enables us to reach the required depths while maintaining the highest standards of safety and project integrity throughout the process.

Revetment and Scour Protection

UDMC specializes in the construction of revetments and scour protection systems, vital solutions for maintaining the stability of coastlines, inland water ways, and other vulnerable shoreline areas.

Geotextile Tubing

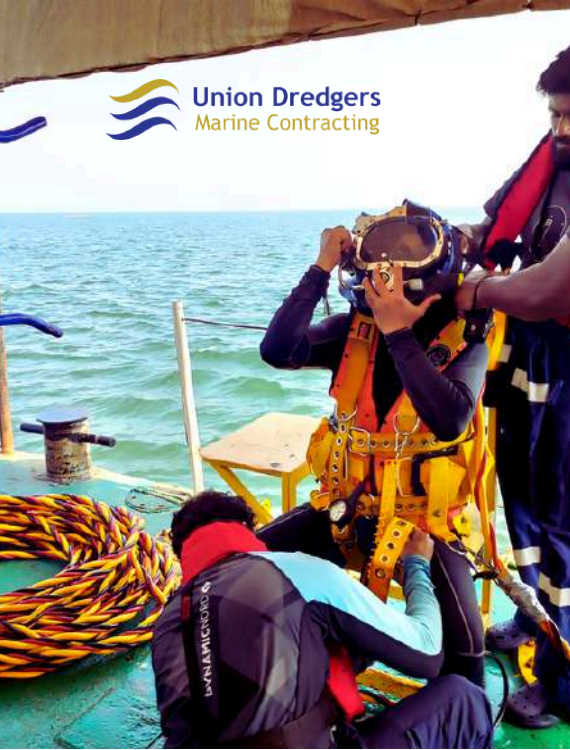
UDMC has been actively engaged in the supply and installation of geotextile tubing for beach protection. We utilize geotextile tubes to safeguard coastlines from erosion caused by shifting tides, storm surges, and other natural forces.

Floating Marina Installation

UDMC has successfully completed the installation of both permanent and temporary floating marinas. The experienced UDMC team is skilled in delivering marina installations tailored to meet the specific needs and requirements of each client, ensuring a high level of customization and quality in every project.

Slipway Design and construction

UDMC specializes in the construction of high-quality slipways, providing critical infrastructure for a wide range of coastal and marine projects. Slipways are essential for the safe and efficient launching, retrieval, and maintenance of vessels, and UDMC's expertise ensures that each slipway is tailored to meet the specific requirements of the site, the vessels it will accommodate, and the operational needs of the client.



MARINE SERVICES

Diving Services

As a leading marine company, we are proud to have a team of fully certified professional divers, equipped to provide a wide range of specialized services. These include intake screen cleaning, vessel surveys, underwater photography and videography, subsea installations, subsea welding, subsea cleaning, and much more.

Surveys

With our expert survey team, vessels, and advanced equipment, we offer a wide range of survey services, including bathymetric surveys, geotechnical surveys, side scan sonar, and more.

Marina and Beach Cleaning

UDMC provides a range of maintenance services to ensure our clients' facilities remain in optimal condition. Our team regularly conducts maintenance, cleaning, and surveying operations, followed by the submission of a detailed report after each visit, allowing clients to fully enjoy their facilities.



EQUIPMENT HIRE

UDMC offers an extensive selection of specialized marine equipment available for both long-term and short-term hire. Our fleet includes a variety of vessels and machinery designed for diverse marine operations, such as barges, cutter suction dredgers, backhoe dredgers, dredging pumps, pontoons, and more. Whether you require equipment for a short-term project or long-term operations, we provide reliable and well-maintained equipment to meet the needs of your specific marine tasks.





**CUSTOM
FABRICATION**



Our experienced design and fabrication team has the expertise to create and manufacture a wide variety of items for marine projects, including diffusers, manholes, intake screens, concrete blocks, steel flanges, and more. Each item is custom-fabricated to meet the unique specifications and standards of our clients. Whether it's a one-off design or large-scale production, we ensure that all products are built to the highest quality, tailored to the specific needs of each project.



Our Projects

01



**Collecting and Extending of
TSE Outfall to Sea-Sharjah**

02



**Desalination Plant Intake
and Outfall Pipeline-RAK**

03



**Channel Dredging -
Sharjah**

04



**Stormwater Outfall
Lines-Dubai**

05



**Seawater Intake and Outfall for
Crude Oil Park-Oman**



Collecting and Extending of TSE Outfall to Sea

Client: Government of Sharjah - Department of Public Works

Consultant: Halcrow International Partnership

Contractor: Al Marfaa Roads Contracting

Marine Contractor: Union Dredgers and Marine Contracting

Project Year: 2024

Scope Snapshot

- Dredging of Pipeline Trench
- Welding and Testing of 2km of 1600mm HDPE Pipes
- Floating and Installation on the sea bed
- Backfilling of pipeline trench utilizing imported rocks, gravel and natural fill

UDMC completed the successful commissioning of a 2km subsea Treated Sewage Effluent (TSE) outfall pipeline, a significant milestone in the development of critical water infrastructure. The project, which involved a comprehensive scope of work, was carried out with expertise by UDMC, whose responsibilities spanned across various stages of construction, from pipe fabrication to final installation.



Project Scope and Execution

1. Welding of HDPE Pipes: The project began with the welding of 1600mm HDPE pipes, a crucial step in ensuring the structural integrity and longevity of the subsea pipeline. UDMC's team of skilled welders used state-of-the-art equipment to guarantee precision and reliability in every joint.

2. Hydrostatic Testing: Following pipe welding, hydrostatic testing was carried out on the pipe spools to verify their strength and ability to withstand pressure. This testing was vital to ensuring the pipeline's operational safety and performance.

3. Concrete Collars and Pipe Launching: To secure the pipeline and protect it against external pressures, UDMC undertook the installation of concrete collars. These collars helped to stabilize the pipeline in the trench and were a critical element during the pipe launching process.



4. Dredging of Pipeline Trench: In accordance with approved levels, UDMC performed dredging to create the necessary trench for the subsea pipeline. This operation was executed with meticulous attention to detail, ensuring the trench was prepared for the proper installation of the pipeline.

5. Diving and Survey Operations: Diving teams were deployed throughout the duration of the project for subsea operations, including the survey of the pipeline route. Their work was essential for the accurate placement and alignment of the pipeline along the seabed.

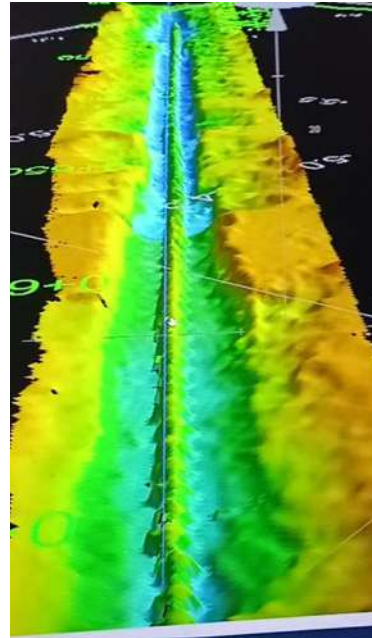
Project Scope and Execution

6. Installation of Pipeline: With the trench and preparatory work completed, UDMC's team undertook the careful installation of the pipeline into the prepared trenches. This step required precise coordination between the on-site team and the diving crew to ensure accurate placement.

7. Outfall Diffuser System: As part of the final installation, UDMC supplied, fabricated, and installed the outfall diffuser system.

8. Backfilling of Pipeline Trench: Once the pipeline was in place, the trench was backfilled using a mixture of imported gravel, rocks, and natural fill. This backfilling process helped to protect the pipeline and maintain the structural integrity of the seabed.

9. Disposal of Excess Natural Fill Material: Finally, UDMC was responsible for the proper disposal of excess natural fill material, ensuring that the site was cleared and restored in compliance with environmental regulations.



Conclusion:

The successful completion of the 2km subsea TSE outfall pipeline is a testament to the careful planning, execution, and expertise of UDMC. The project was meticulously executed to meet both technical specifications and safety standards. The project has now provided a crucial piece of infrastructure for the disposal of treated sewage effluent, contributing to the overall improvement of environmental sustainability and public health in the region.

Project Gallery





Desalination Plant Intake and Outfall Pipeline

Client: Utico FZC
Contractor: Union Dredgers and Marine Contracting
Project Year: 2020

Scope Snapshot

- Welding and testing of 2.2km of OD2168mm and 0.7km of OD 1516mm HDPE Pipes
- Supply and installation of concrete ballast blocks, outfall diffuser backing rings, intake towers and bolts
- Offshore dredging and onshore excavation works
- Offshore pipeline installation including intake towers and diffuser system

UDMC completed the commissioning of a critical water infrastructure project involving the installation of a 2.2km subsea intake pipeline and a 0.7km subsea outfall pipeline. The project, which required careful planning, extensive fabrication, and precise construction, was delivered successfully with UDMC executing a range of complex tasks from supply and fabrication to final installation and commissioning.



Project Scope and Execution

1. Supply of Essential Materials: UDMC was responsible for supplying various key components, including GRP backing rings, duplex bolts, concrete ballast blocks, chlorination pipes, and airburst pipes.

2. Fabrication of Outfall Diffuser: A critical element of the outfall pipeline, the OD1516mm outfall diffuser, was supplied and fabricated by UDMC. This diffuser was designed to ensure the efficient and environmentally responsible dispersal of water.

3. Construction of Intake Towers: UDMC's scope of work also included the construction of two 10m x 6.6m intake towers, which were equipped with the necessary screens. These towers are designed to facilitate the intake of water while preventing the entry of debris, contributing to the protection of the system's operational efficiency.



4. Manhole Supply: UDMC provided the required manholes for the project. These manholes are essential for maintenance and inspection purposes, ensuring easy access to the pipeline system for ongoing monitoring.

5. Butt Fusion Welding of HDPE Pipelines: A significant part of the project involved the butt fusion welding of OD2168mm and OD1516mm HDPE pipelines, including the required fittings. This step required precision welding to ensure the pipes' joints were secure and leak-proof, a critical factor in the subsea installation.

6. Offshore Pipeline Trench Dredging: The offshore section of the pipeline required trench dredging to the specified levels. UDMC carried out this operation with attention to detail to ensure the pipeline could be properly installed and maintained within the dredged trench.

Project Scope and Execution

7. Onshore and Intertidal Zone Excavation:

UDMC also handled the excavation of the onshore and intertidal zones, which included necessary dewatering and sheet piling to ensure the trench remained dry and stable during the installation process. This work was critical for ensuring the safe placement of the pipeline in these challenging environments.

8. Installation of Pipelines: Once the trenching was completed, UDMC undertook the installation of both the onshore and offshore pipelines. The pipelines were carefully lowered into the prepared trenches, with close coordination between offshore and onshore teams to ensure precise placement.

9. Installation of Intake Towers, Diffuser System, and Manholes: Following pipeline installation, UDMC installed the intake towers, diffuser system, and manholes, ensuring the entire infrastructure was in place for smooth and efficient operation. These installations were key to the functionality of the overall water intake and discharge system.



10. Backfilling of Trench: After the installation of the pipelines and associated infrastructure, the trench was backfilled both onshore and offshore. This backfilling was crucial for stabilizing the pipeline and protecting it from external environmental factors.

11. Pipeline Testing and Commissioning: The final phase of the project involved thorough testing and commissioning of the pipeline system. UDMC conducted various tests to ensure the integrity and operational efficiency of the pipeline, confirming it met all required specifications and was ready for use.

Conclusion:

The successful commissioning of the 2.2km subsea intake pipeline and 0.7km outfall pipeline marks a significant achievement for UDMC. Through meticulous planning, expert fabrication, and careful execution, the project was delivered on time and to the highest quality standards. From material supply and fabrication to installation and testing, UDMC ensured that each phase was completed with precision, contributing to the successful operation of this vital water infrastructure system. This project stands as a testament to UDMC's ability to manage and execute complex offshore and onshore pipeline projects effectively.

Project Gallery





Channel Dredging

Client: Sharjah Roads and Transport Authority
Contractor: Union Dredgers and Marine Contracting
Project Year: 2021



Stormwater Outfall Lines

Client: Jumeirah Bay Project
Consultant: Cracknell
Contractor: Pearl Garden Landscape and Irrigation Services
Marine Contractor: Union Dredgers and Marine Contracting
Project Year: 2023

Scope Snapshot

- Dredging of sea bed materials
- Survey works
- Environmental protection during operations

Union Dredgers successfully completed the dredging of a ferry navigation channel for the SRTA. UDMCs scope of work included:

- Obtaining required permits
- Pre, during and post bathymetric surveys including preparation of required drawings
- Dredging works to reach desired levels as stipulated by the client
- Installation and maintenance of silt curtains for the durations of operations
- Stockpiling and disposal of dredged material and disposal as per client instructions



Scope Snapshot

- Supply of necessary HDPE pipes, fittings, concrete ballast blocks and bolts
- Dredging for trenches
- Installation of storm water outfalls in five locations
- Testing and commissioning



Union Dredgers successfully completed the commissioning of five storm water outfall pipelines. UDMCs scope of work included:

- Supply of OD 400mm and 315mm HDPE pipes and fittings
- Supply of concrete ballast blocks, nuts and bolts
- Butt fusion welding of storm water spoors
- Offshore dredging and intertidal zone excavation
- Removal and reinstatement of revetment
- Installation of storm water outfalls offshore and in the intertidal zone at five locations
- Backfilling utilizing natural fill
- Installation of duckbill valves and navigational aids
- Testing and commissioning



Seawater Intake and Outfall for Crude Oil Park

Client: Oman Tank Terminal Company
Contractor: China Petroleum Pipeline Engineering Company
Marine Contractor: Union Dredgers and Marine Contracting
Project Year: 2022

Scope Snapshot

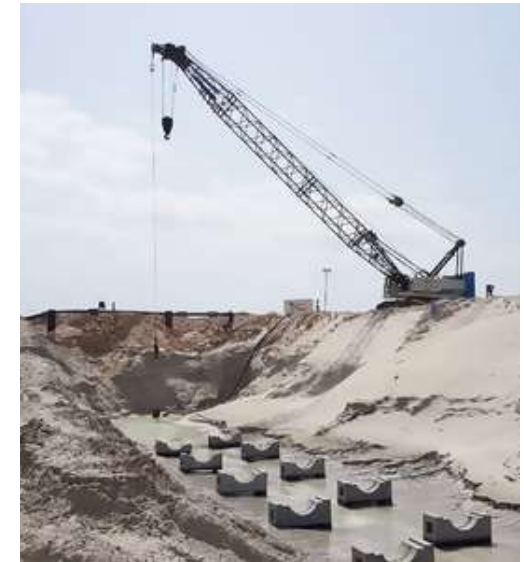
- Supply of Concrete ballast blocks, blocks, diffuser protection and rocks for required backfilling
- Installation of storm water outfalls offshore and in the intertidal zone at five locations
- Backfilling utilizing natural fill
- Installation of duckbill valves and navigational aids
- Testing and commissioning

Union Dredgers successfully completed the commissioning of a subsea intake and outfall pipeline. UDMCs scope of work included:

- Supply of Concrete ballast blocks, blocks, diffuser protection and rocks for required backfilling
- Butt fusion welding of 1.8km of OD900mm and 0.8km of OD250mm pipe
- Offshore dredging and onshore excavation including necessary sheet piling and dewatering works
- Installation of offshore and onshore pipelines including concrete ballast blocks and flanged connections
- Installation of chlorination and hydro burst pipelines
- Installation of diffusers and intake screens
- Backfilling of trenches in accordance with the approved cross section utilizing imported and natural fill
- Testing and Commissioning



Project Gallery



Other Key Projects

01 Dredging Works at Breakwater at Guggenheim

Department of Tourism,
Abu Dhabi

02 Dredging and Beach Reprofilling of Madinat Jumeriah Beachfront

Jumeriah Group, Dubai

03 Design, Supply, Dredging and Installation of a Onshore and Offshore OD 2168mm Intake and OD 1516mm Outfall Pipelines for the Barka IWP

Suez Degremont, Oman

04 Annual Maintenance Contract for Cleaning of Intake Screens for Government Desalination plants

Federal Water and Electricity
Authority, Ajman

05 Installation of 2 x 630mm HDPE Outfall Pipelines along with onshore Civil Works for a Desalination Plant

Fujairah Fresh Water , Fujairah

06 Removal and disposal of Marine Piles in Lourve Abu Dhabi

Department of Culture and
Tourism, Abu Dhabi

07 Submersible Dredging at sump of underground tunnel at main operation terminal (ADNOC)

SK Engineering, Fujairah

08 Installation of 2x1800mm Intake and 1x2060mm Outfall Pipelines at Al Ghubrah Desalination Plant

IWT (Consortium of Vatech Wabag,
Gulfar and Cadagua), Oman

09 2.7km 1400mm Diameter HDPE Offshore Pipeline installation for Al Zawrah Desalination Plant

Al Hamra Construction, Ras Al
Khaimah

10 Dredging and Installation of 1200mm Intake Pipeline at Sharjah Creek for a length of 350 meters.

Gulf Eco Friendly., Sharjah

11 Installation of ID1200mm Intake Pipeline and ID900 Outfall Pipelines including dredging works for Sharqiyah IWP Project

Doosan, Oman

12 Rock Rivetment Under the Bridges at Al Sowwah Island

Al Naboodah National
Contracting , Abu Dhabi





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