INTRODUCTION

TMC (LLC) is a turnkey Contractor providing Oil Field Services and comprises of a team of outstanding professional marine experts having built a solid reputation around skilled people, modern equipment and a solutions-oriented approach that gets the job done on time, safely and effectively.

We place considerable emphasis on developing our capabilities in line with the needs of our clients by placing them at the center of our operations - by taking an extra step and trying to behave as if we are stakeholders in their business. To enhance the way we execute diving / offshore projects, we invest heavily in the systems to support our clients, and are committed to staff training, quality, and developing appropriate infrastructure.

Our internal organization enables us to develop project teams to precisely match the needs of our clients. With an integrated approach, we are able to draw from the pool of skills and experience throughout the whole company and benefit from the fluidity of knowledge and people around the business.

TMC (LLC) was established with the indomitable purpose to provide a full range of diving services, including Riser Spool Installation, Pipe laying Projects, Salvage, Dredging & ROV Services, wharf and bridge pile encasement and more.

The Company also provides Subsea Pipe Repairs, Inspection, NDT and other Subsea Services to a wide range of offshore industries, offering the latest expertise and equipment.
We, at TMC (LLC), are committed to being the most successful provider of a range of customer driven engineering, construction, installation and diving services. To achieve this we will:

MISSION

Our vision is to be the subsea company of choice and industry leader in the Middle East region, providing our clients quality & safer solutions in hard-to-reach locations through our proven experience, modern technology and diverse range of services.

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• Commit to the successful completion of a wide variety of diving related projects
• Maintain continuous improvement processes
• Understand our clients’ business objectives
• Create an environment where our people are challenged, motivated and satisfied
• Conduct business ethically, honestly and with diligence at all times
We are an EPCI Subsea Offshore & Marine Construction Company and have been developing/improving in our capabilities, procedures plus safety practices to provide our Clients with cost-effective solutions with optimum and results. With more than two decades of operational experience, world-class personnel, who are dedicated to your projects success, TMC LLC has what it takes to get your project done in a right manner and on time within your budget.

SERVICES

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SERVICES

Tidal Marine (TMC LLC) has project managers who are experts at managing, leading, coordinating, and communicating every offshore and marine project which provides world-class project management services specializing in offshore & marine projects across the globe. We provide our specialized professional services for all EPC contractual roles on our projects. In this regard, TMC project management services, cover the entire project life cycle, including project design, planning, definition, scheduling, cost control, quality control, communication, risk management, procurement and execution of projects. Having a thorough understanding of offshore & marine systems, which enables us to provide key engineering services and offering turnkey solutions for our clients.

Some of our services includes:

- Project design/ planning and management on turnkey basis.

We utilize an integrated project management system and procedures to meet the owner’s project objectives and expectations. At the outset of any project, we develop Construction Management Plans (CMP) to establish project ground rules and procedures to implement technical and administrative tasks during planning, design, construction, operations, warranty periods and maintenance of new facilities. Project owners can expect a timely-delivered project that meets their organizational objectives and expectations with documented levels of quality.
TMC LLC provides a design, engineering and constructing services catering for all your needs in the field of Jetties, Ports, Breakwater, Revetment and Pier construction, from design and planning through to completion.

Our engineers are fully qualified and registered structural engineers with extra experiences to cover all your company needs. At the same time, we have a solid network of qualified and experienced sub-contractors to cover all engineering of structural services. All building works undertaken by TMC LLC Design and Construct are:

- undertaken according to international standards
- of the highest durability and safety levels
- fully registered building sub-contractors
- undertaken by builders with over twenty years of experience
- completed on time and on budget

The offshore and marine industry is experiencing a continuous move into more remote and hostile environments and more complex field developments. This trend presents new challenges which are being met through innovative technology, longer tie-backs, heavier structures and ever-more sophisticated systems and equipment.

At TMC LLC, we have a proven of riser portfolio and our technical expertise extends to the design, engineering, fabrication, qualification and installation of tailor-made subsea structures including risers and subsea structures. Hence, our engineering, design and technology brings innovative solutions to meet the market’s ever-changing needs when it comes to Riser design, fabrication & subsea installations.

- Riser design/ fabrication & subsea installations.

- Jetties / Port / Breakwater / Revetment & Pier Constructions.
Fulfilling a contract to fabricate and deliver pipe spools is never a small undertaking. Whether it's for the offshore oil and gas industry, a power plant, or a chemical processing plant: a pipe spool project generally comprises hundreds of components and thousands of process steps. Every step is an opportunity for something to go wrong, so careful planning before sending the request for quotation (RFQ) to fabricators and careful monitoring and expediting of the processes during fabrication, help to contribute to a successful, timely, and profitable outcome. Hence at TMC LLC assure to our clients that with our experiences from the past and using standard measures, clear and complete documentation, and a work process that assigns priorities appropriately, you can count on a well-planned, smooth-running, and successful project without any space for mistakes, rework, and wasting time and money.

- Spool metrology/ fabrication and subsea installations.

Welding processes have become increasingly important in almost all manufacturing industries and for structural applications. Although a large number of techniques are available for working in atmospheres, many of these techniques cannot be applied offshore and marine application where presence of water is of major concern. In this regard, it is realized to note that a great majority of offshore repairing and surfacing work is carried out at relatively shallow depths. In this region, intermittently covered by the water known as the splash zone, though innumerable most ship repair and welding jobs are carried out at a shallow depth, the most technologically challenging task is repair at greater depths, especially in repair and repair of an accidental failure. The advantages of underwater dry or wet weldings are largely of an economic nature, because underwater welding for marine maintenance and repair jobs bypasses the need to pull the structure out of the sea and saves valuable time and dry docking costs. It is also an important technique for emergency repairs which allow the damaged structure to be safely transported to dry facilities for permanent repair or scrapping. TMC LLC has completed a number of projects on subsea welding for the repair of platforms or underwater pipelines and subsea structures. We can repair all kinds of damages underwater, which is more efficient than repairs in a dry-dock. We can work in all harbors in the world and are available 24/7.

- Hyperbaric & Wet Welding’s.
As older facilities reach the end of their useful life, maintenance and stabilization of facilities becomes an increasingly complex and critical component of ongoing use and compliance with updated facility standards. In fact, owners and designers of offshore or marine facilities face significant challenges due to a wide range of structural types, severe environmental conditions, and most importantly rapid degradation of materials. Why? Because a significant number of facilities in the offshore and marine industry were constructed in the past and now many of these buildings have reached the end of their planned service life, and deterioration in the form of steel corrosion, concrete cracking, and spalling is observed frequently. In addition, many of these structures were built to carry loads that are significantly smaller than the current needs. Because of these factors, many structural engineers are faced with the challenge of evaluating and implementing effective and economical repair and strengthening programs.

Unfortunately, there is no single solution that offers a simple, straightforward method for all repair and strengthening projects. Further, the processes of repair and retrofit of existing structures are complicated because most of these structures are occupied, and most of the mainstream construction community’s expertise is centered on new construction. However, success can be achieved if the repair and strengthening systems are tailored to serve a structure's intended use without interfering with its occupants or function. This key is success is a combination of the different design skills and application techniques—structural strengthening and structural repair—necessary for each project. In such, the engineers must employ a broad range of materials and structural behavior principles to develop a comprehensive retrofit solution.

At the same time, performing comprehensive and accurate condition assessments, which includes above- and below-water engineering and material condition surveys, is critical to the planning and design process for repair, stabilization and maintenance. During this process, destructive and non-destructive testing can be performed on timber, concrete and steel structures with photographic and video verification. TMC LLC has extensive experience in this field, with many projects of a unique nature without any previous precedence.

**Structural repairs and stabilization of marine facilities.**
A Single Point Mooring (SPM) is an offshore mooring point, used to facilitate tankers loading or discharging various forms of liquid product cargoes near onshore storage or production fields. These Single Point Moorings allow safe and reliable transfer of crude oil, LNG, LPG, jet fuel, heavy fuel oil and other products.

In fact, SPM is mainly used in areas where a dedicated facility for loading or unloading liquid cargo is not available. Located at a distance of several kilometers from the shore facility and connected using sub-sea and sub-oil pipelines, these single point mooring (SPM) facilities can even handle vessels of massive capacity such as VLCC.

There are various types and configurations of SPMs for use in various locations and purposes, such as Tunnel Buoys, Single Anchor Leg Mooring (SALM), Single Point Mooring Towers, Spars and Artificial platforms and Floating. TMC LLC can install and handle maintenance operation of all types and depending on customer’s needs, research & development can be carried out to solve solutions in the field of installation and maintenance of SPM systems.

In this regard, we offer an extensive range of specialized services that help to distinguish TMC LLC as the premier one-stop-shop EPCI contractor for SPM installations & maintenance projects around the world.

At TMC LLC, based on our experience and expertise, we know that SPM CALM buoys can get damaged without permanent human occupancy, and with no electricity or fresh water. Hence it is needed to wash the entire buoy with fresh water as often as it is possible and periodic maintenance is also needed to carry out in ways of inspection. Because there are various levels of inspection details for daily, weekly, monthly, etc.

Typical activities during inspections would include looking and reporting on wear on anchor chains and changing out dissolvers. Besides major maintenance, we would look to change subsea- and floating hoses anywhere from 3 to 5 years. When SPM buoys receive adequate maintenance, they have the ability to achieve a 30-year service life with ease.
In marine salvage and wreck removal operations, the complexity, operational and environmental requirements call for a multidisciplinary approach. TMC LLC understands this and provides specialist knowledge in areas like geotechnical and coastal engineering, morphology, dredging, metocean and eco-engineering.

So, if you need a marine salvage company that won’t leave anything behind, it is good to know that TMC LLC has years of experience in the field of salvage and wreck removals. We have the knowledge, equipment and trained professionals to handle any salvaging operation with the greatest care and efficiency. TMC LLC offers independent specialist advice to its clients from the moment a casualty takes place to the successful completion of the operation. We have seasoned personnel who understand the nature of emergency situations and the exceptional safety record to prove it.

Hence, you can rely on us to safely recover any object from the water, from anchor to ship wreck. You can be sure that we always take the greatest care to avoid damage to the vessel as well as the environment. At the same time, we have access to the latest marine technologies and our specialized equipment also allows us to respond to dispersed vessels and damaged facilities in difficult to access areas including shallow to deep water emergencies. If required, we can also rent additional equipment. For this purpose, TMC LLC has selected a number of trusted and dedicated suppliers with whom we have a long-standing working relationship to get any size job done in the field of salvage and wreck removals.

TMC LLC is also experienced at advising clients on the technical management of the entire wreck removal phase, from initial tender letter to final payment inf the wreck removal process upon completion by the contractor. We can supply the following services:

- Advice on salvage costs & repairs
- Compilation of Tender Letter
- Tender evaluation for Wreck Removal
- Short-listing bidders
- Tender award process
- Contract monitoring during Wreck Removal including milestones
- Construction and coastal morphology studies/modelling
- Environmental impact assessment studies
- Wreck stability studies
- Engineering data acquisition and evaluation support
- Risk management & assessment
- Onsite support
- Dispute and arbitration support
- Final completion
TMC LLC's Diving Services Division builds and maintains subsea infrastructure. Whether it's greenfield pipeline construction or modifications and additions on existing systems in brownfield pipeline construction, our team of experts plan and execute projects according to engineered procedures designed with the highest regard and accountability for personnel safety and environmental protection.

For your marine civil engineering and offshore energy projects, our global diving services include a wide range of subsea interventions. At TMC LLC, our highly trained and certified divers perform air and 300-metre saturation (deep) diving and our track record includes subsea engineering, hyperbaric welding and retrofitting of cathodic protection for life extension of assets. With our subsea services supported by a fleet of dedicated dive support vessels, ROVs and survey services, we support your subsea projects with a "one stop shop" solution.

- Diving support for offshore Oil Rigs, construction work, lay and jets barges.

Marine loading arms are special equipment for loading and unloading fluid materials cross over the wharf and forecourt, with pipelines connected by swivel joints, and supplemented by supporting structure, and other accessories such as control systems, required by customers. It is mainly used for transferring the fluid such as petroleum, LNG, LPG, chemicals, gas, oil, etc. between the pipe system and the oil tankers. It is mainly consisting of pipeline, swivel joint, spring balance system, flange, vapor cone, level probe, vacuum breaker valve, drop tube and other accessories. TMC LLC Company can install and handle maintenance operation of any type of marine loading arms and save lots of time and budget for its customers. Our expertise has no borders in this regard.

- Installation and Maintenance of Marine Loading Arms.
TMC LLC range of Cable Protection Products is designed to provide protection for subsea cables at offshore wind or tidal energy foundations, in shallow water and at landfalls, boulder fields or areas of rocky seabed where cable burial is impractical.

Consisting of a series of interlocking half shell modules to form a vertebrae bend restrictor around the cable, the TMC LLC Cable Protectors are a development from conventional articulated pipes (also known as split pipe) and are manufactured in ductile iron to provide:

- Protection against impact and abrasion
- Increased seabed stability through added weight
- Reliable and repeatable installation to ensure that product min curvature radius is respected
- Ease of installation and low frictional drag
- Greater articulation angle achieved at each joint than conventional split pipe, facilitating use over sheaves and chutes
- Smooth bore to facilitate longitudinal cable movement where required, for instance for cable pull-in or cable tension relief
- Smooth outer profile for ease of pulling through apertures and structures

Why choosing TMC LLC for Underwater Subsea Training? Here are some reasons:

- Full suite of training courses in upstream oil and gas industry disciplines as well as surface facility and midstream training for operators and technicians
- A teaching faculty of independent instructors, all experts in their fields, with a wide variety of technical and regional experience
- Recognized as one of the best Oil & Gas Education/Training centers, reinforcing TMC LLC as the industry’s trusted partner for training and competency development

TMC LLC diving services can supply highly trained experienced divers and offer a variety of subsea interventions to offshore Oil & Gas or marine civil engineering projects. We endeavor to deliver a ‘one stop shop’ solution approach by supporting diving services with ROV’s and inspection services. At TMC LLC we provide high quality and realistic training, receiving trainees from all over the world. We offer our training programs under the highest standards of quality.
Fuel Saving is the major reason for making underwater hull cleaning an integral part of planned maintenance. A build-up of marine fouling can lead to increased drag, resulting in a detrimental impact on a vessel’s hydrodynamic performance and hence the relationship between speed, power performance and fuel consumption. Fuel constitutes the single largest operating cost of a vessel today. This makes hull efficiency a key to operational compliance and vessel economic success.

Hence, it is addressed that TMC LLC has thought tools, in the right places and operated by the right people. With equipment designed for managing even the most sensitive coatings, TMC LLC continues to invest in ensuring our equipment with coating manufacturers to ensure our equipment is effective in cleaning these coatings without adversely affecting their integrity. Our expert staff of personnel is trained in environmental regulatory compliance, coating identification and equipment optimization. By maintaining your coating’s effectiveness, you are assured the most consistent hull efficiency between dry docking intervals.

**Underwater Hull Cleaning.**

The MKII Hydraulic Hand Tool is a multipurpose machine which can be used for many operations. There are several different types of brushes available which can be used for hull cleaning operations in areas that are too tight for access with other cleaning machines, notably around the stern areas. The optional polishing adaptor will convert the tool for propeller polishing operations and there is a range of pads available for different finishes, all of which can be attached using simple Velcro attachments. A shaft adaptor kit is also available that adds a 10mm chuck which can then be used with a variety of attachments such as drills and grinding discs.

**Multipurpose Machine**
At TMC LLC provide inspections, non-destructive testing (NDT), certification and other technical assistance to ensure the quality, safety and reliability of our client’s facilities. Our highly qualified and experienced personnel, together with our cutting-edge technological centers, allow us at TMC LLC to offer solutions to meet all demands – from the most standard to the most advanced. We have the ability to respond rapidly and flexibly, wherever our clients are based, and we are recognized and approved by all the key industry bodies.

It is important to know that failure of a component, structure or weld can cause significant harm to the environment and often leads to significant costs. Ensure safe, continuous and cost-effective performance of your asset, basing your decisions on reliable NDT-data on the current condition. At TMC LLC, years of experience and by having training facilities for NDT you can provide high-quality services at all times.

Non-destructive Testing (NDT) consists of a variety of non-invasive inspection techniques used to evaluate material properties, components, or entire process units. These techniques also allow us to detect, characterize, or measure the presence of damage mechanisms (e.g. corrosion or cracks). At TMC LLC, the purpose of using NDT methods is to inspect a component in a safe, reliable, and cost-effective manner without causing damage to the equipment or shutting down plant operations. This is in contrast to destructive testing where the part being tested is damaged or destroyed during the inspection process.

• NDT inspection programs for offshore structural classification and certification.
TMC LLC offers Pulsed Eddy Current (PEC) inspection technology for the detection of corrosion areas in carbon and low alloy steels. Measurements are taken through any non-conductive material e.g. insulation, protective coatings, concrete and marine growth. It is good to mention that TMC LLC is based on the pulsed eddy current (PEC) principle and is a reliable way to survey ferrous pipes and vessels through their thermal insulation and protective coatings. The in-depth PEC technology is an excellent tool for prioritizing further inspections. In this technique, the sending coil generates eddy currents at the surface of the material. As they diffuse, they generate a magnetic field that is detected by the receiving coil in the probe. The average remaining wall thicknesses within the enclosed magnetic field is proportional to the decay time of the received signal.

At TMC LLC, we also apply (PEC) technology to penetrate insulation and coating layers that are not magnetic and do not conduct electricity. Furthermore, we use PEC technology to inspect and examine the low-alloyed carbon steel coated/trpressed materials, weather-proofing sheeting and corrosion products. This approach allows our experts to easily and precisely test, inspect, measure and monitor the actual condition of your assets.

Magnetic Particle Inspection (MPI)

The basic procedure that is followed by TMC LLC to perform magnetic particle testing are:

- Pre-cleaning of component
- Introduction of Magnetic field
- Application of magnetic media
- Interpretation of magnetic particle indications

Advantages of Magnetic particle testing (MPI):
- Detect both surface and near subsurface indications
- Can inspect parts with irregular shapes easily
- Fast method of inspection and indications are visible directly on surface
- Less expensive compared to many other NDT techniques
- Very sensitive test method
- Can detect small in-service fatigue cracks in rotating parts or creep cracks on steam piping
- Easy to use and requires minimal amount of training

We at TMC LLC by using Magnetic Particle Inspection (MPI) which is a proven and reliable method detect even the smallest surface, or near-surface, flaws in ferrous materials. Moreover, the MPI inspection establishes the magnetic field pattern of the material and pinpoints cracks by identifying any distortion in that field. Cracks cause leakage of magnetic flux in the vicinity of the line, and the equipment identifies build-ups of very fine iron particles that gather at the location of the leakage, however small it may be.
Ultrasonic Testing

Ultrasonic testing utilizes sound waves whose frequencies (50 kHz - 50 MHz) are above the audible range for the human ear. According to the International Atomic Energy Agency, ultrasonic testing can be used for metallic and nonmetallic materials. Ultrasonic testing makes use of sound to detect flaws and defects in materials.

Advantages of Ultrasonic Testing (UT):
• Sensitive to both surface and subsurface discontinuities.
• Flaw detection or other measurement is superior to other NDE methods.
• Minimal part preparation is required.
• Electronic equipment provides instantaneous results.
• Detailed images can be produced with automated systems.
• Thickness measurement and flaw detection.
• Determining reflector position and estimating size and shape.

Alternating Current Field Measurement (ACFM) is an electromagnetic inspection technique developed for fast scanning to locate cracks in welds and surface materials covered by paint, coating and marine growth. The technology relies on the fact that an alternating current flowing in a component will be disturbed by the presence of a crack. It is often used to identify and size surface-breaking cracks in metal components. Also, TMC LLC utilizes ACFM on a variety of surfaces, including strictly-adhered coatings and surfaces containing minor scaling and debris. Its versatility eliminates the need for pre-cleaning prior to inspection, and test indications can be sized to show depth and length of indications.

Besides, TMC LLC uses ACFM extensively for offshore platform applications on piping and structural supports, in addition to process piping in oil and gas facilities. TMC LLC’s Clients in the infrastructure and transportation sectors have also benefited from ACFM’s rapid inspection and defect analysis capabilities.

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TMC LLC is capable of undertaking a wide range of Remotely Operated Vehicles (ROV) services, which is a new specialized underwater robot providing a variety of different assistance to offshore industry, from survey to repair work. ROV services encompass surveys, inspections, maintenance, repair of underwater, non-destructive testing and diving support. We ensure that the work is carried out safely, in accordance with at least practices in the ROV industry, taking into account local legislation and circumstances.

We help our clients to mitigate the risk at the subsea by offering the following ROV services:

• Underwater and seabed inspection
• Inspection of ship hull
• NDT Surveys
• Exploration Drilling Support
• Construction, Design & Maintenance support
• Pipeline & cable monitoring
• Environmental Surveys & Sampling
• Buoy and Calm System Inspection
• Subsea Installation
• Platform and structural inspection
• Debris survey
• Subsea Valve and Flange Inspection

An Emergency Pipeline Repair System (EPRS) is a fundamental part of any pipeline integrity management system. It is intended to sufficiently prepare for- and mitigate against the consequences of unplanned incidents breaching the pipeline integrity. Such breach causes downtime, could cause damages to people and the environment and in any case have financial implications in direct costs for repair and indirectly in loss of revenue. Hence, having repair clamps and other tools available alone is not sufficient, in order to provide a rapid response to unexpected incidents disrupting the pipelines’ integrity. TMC LLC employs a complete package of Emergency Pipeline Repair products. TMC LLC believes that a full EPRS comprises the entire process from moment of incident to re-commissioning to maximum allowable operating pressure and flow. An EPRS must be asset specific. Depending on a pipeline’s criticality and complexity the development of an EPRS does not require significant capital expenditure.

• Emergency Pipeline Repairs.
Dredging Services.

TMC LLC management has the links and signed JV agreements with professional, reliable and innovative leader in delivering portable hydraulic dredging services that exceed our clients’ high expectations. We perform our dredging services for customers wherever they need. Moreover, TMC LLC can operate an extensive range of dredging equipment that can be configured to perform standard dredge operations to environmental remediation and shoreline restoration. Our company’s ability to provide diverse fleet of barges, cranes, and excavators for our clients, allows us to engage in complex projects including the following three construction types:

• Environmental
• Maintenance
• New Construction
Subsea construction and installation face many challenges include high pressure, cold temperature, currents and tidal movements which make them different from onshore projects.

At TMC LLC, we employ the most advanced technologies and reliable equipment in pipeline and riser installation in both shallow and deep water. TMC LLC’s pipeline engineers provide knowledge and experience of design codes and ensure that this valuable cargo arrives safely.

As a matter of fact, Subsea pipelines must deal with higher external pressures and colder temperatures, and unless buried or trenched in the seabed, subsea pipelines are subject to currents and tidal movements. In addition to providing pipeline services through all project stages – from conception to operation to decommissioning – we add value to our clients’ projects and assets by ensuring that client and regulatory requirements are met. We are also aware of the capabilities and limitations of the world’s fleet of installation vessels and can help you to find the best solution.

Pipe line and Riser Installations.

Navigational aid installations.

The operation of offshore and marine assets, requires maximum visibility for passing ships in all weather conditions in order to increase safety. Are you looking for a full range of navigational aids built according to the latest technology? TMC LLC has them, and will help you to stay ahead.

With increasing demands from the offshore oil and gas industries for the latest technology, improved safety and reduced total cost of ownership, TMC LLC’s continuing to provide the very latest in cutting-edge marine aids to navigation systems.
TMC LLC is uniquely qualified to deliver results for our industrial and construction clients. Working in the dynamic and unforgiving offshore and marine environment for several years, TMC LLC learned early on that projects must be carefully planned and managed, workers must be skilled, reliable and safe, and no detail can be overlooked. Since TMC LLC brings this knowledge, experience and professionalism to its energy, petrochemical, LNG, midstream, industrial construction, fabrication and maintenance services. Specializing in marine and civil construction services, TMC LLC is a full solutions provider for mentioned industries. Our services encompass a wide range of proficiencies, from dredging to constructing and repairing structures under and above water.
Subsea Crossing Support / Mattress Installations.

At TMC LLC, innovative and experienced people work on day to day basis with the challenge’s Subsea Crossing Supports & Mattress Installations, provides. At the same time, Subsea Operations with very special skills, especially adapted for offshore oil and gas fields,Subsea crossing supports, mattress, and more. Mooring and berthing, this are common tasks for our helicopters up to 50 m long and may have a diameter of 3 m. White eel people found their alternative for offshore wind farms can go up to 80 m in length and 8 m in diameter. Cranes, frame, hammering and drilling equipment must be suitable for the size and the weight of every single pile. The structures are used to construct jetties, mooring facilities, bridges and offshore wind farms.

Soft soil improvement techniques strengthen the ground bearing capacity of a particular area and increase it’ll be installation of heavy cranes, terminals, warehouses, and other infrastructure on top of it. It is an alternative and often more economical approach for piling and other foundation works. Techniques depend on soil conditions and vary from vibro compaction, over vibro stone columns, to grouting and mixing with stabilizing additives.
TMC LLC can supply the modern fleets of Diving Support Vessels to support our subsea operations. We also have extensive experience in the charter and welcome the opportunity to offer our services to Ship-owners and Operators. Our in-depth knowledge along with our fleets of modern, well-maintained vessels and an agile management structure ensure our clients always receive the best result. Our priority is to provide our customers with Medium Supply Vessels of the highest quality, whilst maintaining top industry standards across all aspects of our deliverables, allowing our customers to be assured in our ability and expertise.

• Supply of offshore vessels on BIMCO charter party contracts.
The 9 Man Saturation Diving System of TMC LLC was designed and manufactured by SMP Ltd. It is certified in accordance with International Maritime Contractors Association guidelines and codes of practice for offshore diving operations and certified by Lloyd's Register of Shipping.

This compact modular system rated for 300 meters consists of a 3 man 4.7m³ saturation diving bell, twin lock 6 or 9 men decompression chamber (DDC2), gantry launch and recovery system, diver’s gas control panels, main bell/diver control panel and all life support machinery. The system is equipped for mixed gas saturation diving and the clump weight also incorporates a tool basket for the divers, a hyperbaric float away chamber is also provided.

- Saturation Diving Services.

BENEFITS OF TMC LLC’S PORTABLE SATURATION DIVING SYSTEM

- Integral Chamber Life Support container built into DDC1 skid.
- All containers comply with DNV 2.7-1 requirements as Portable Units for Offshore Use.
- Modular skid design for quick deployment and ease of transportation.
- 9 Man Floataway Hyperbaric Rescue Chamber (HRC).
Since its creation, TMC (LLC) has developed and carried out extensive range of operations and services supporting the onshore, offshore and land development projects on a countrywide basis. TMC (LLC) has committed to execute project by prioritizing environmental protection to ensure minimizing air emissions, disposing effluent water and reduction of waste disposal to the sea. TMC (LLC) has formulated its policy for successful execution of projects by:

• Deploying experienced and qualified project manager including imparting the necessary training to increase their performance
• Preliminary Study to identify potential risks
• Effective Organization set-up
• Pre-Planning the Projects to avoid delays

TMC (LLC) has endeavored to maximize the deployment of local resources including personnel facilitating in provision of services at a competitive price, which inadvertently necessitates provision of necessary training (prior to the commencement of the project) to the local hired personnel for successful execution of the project. TMC (LLC) has formulated and complied with the Project Emergency Response Plan for each Project/Contracts. Each and every vessel display the Emergency Response Contracts Telephone Numbers duly and the project execution team trained to cope up with emergency situation in order to minimize day’s as shown in the succeeding pages.
Human resources, as the most critical element in the future of offshore oil and gas industry, is currently facing a serious skills and human resource deficit due to the plethora of new projects being developed around the world. NOCs, IOCs, energy companies and independents are all facing severe shortages of experienced and skilled personnel as they expand their offshore operations. But the question of whether an offshore diving company needs a human resources department is not a simple one to answer. Ask the question to a variety of offshore companies, CEOs, and HR professionals and you’re likely to get a variety of answers. For instance, many experts will tell you that the number of employees in an offshore company is the determining factor. A lot of companies with small employees and few employees say that they don’t need an HR department. But size isn’t the only issue to think about. By the way in TMC (LLC), We believe an offshore diving company cannot build a capable team of working professional divers without Skilled Human Resources Program: no matter how small or large, HR functions must be conducted for every company. This make us among the fewest offshore diving companies which have Human Resource Program for their divers and that is something we are proud of it.

HUMAN RESOURCES POLICY

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Why We Believe In Human Resource?

• Ongoing employee training is essential for a company to maintain its level of professionalism and skill.
• The human resources department protects the interest, image and success of the company in every way.
• HR is an advocate for employees.
• HR leads to hiring right and by hiring right you can focus on growing the business not dealing with problem employees.
• The HR department in any company can be its ace in the hole, literally.
• Having HR help an organization achieve balance between staff, management and strategy.
• HR doesn’t directly generate revenue in the way that a sales department does. It can help you scale certain business units within your organization before they become costly problems.

In TMC (LLC), the key functions of the Human Resources Management (HRM) programs, include recruiting people, training them, performance appraisals, motivating employees as well as workplace communication, workplace safety, and much more.

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TMC (LLC), as a leading EPC offshore company in subsea projects, has a range of equipment and machineries to complete its different projects in the offshore industry. We have a robust Planned Maintenance System (PMS) and periodically audit all equipment in accordance with IMCA guidelines. Our policy is to place only well-maintained and safe equipment on our customer’s projects with adequate spares and technical support. The equipping for each project is carefully considered to suit the scope based on years of experience in the subsea industry. We believe effective asset management leads to efficient resource management, and that’s why TMC (LLC) keeps its asset in the best operational conditions. TMC (LLC) also owns a vast range of subsea tooling, inspection & support equipment to deliver diving services on diverse projects. Equipment has never been a limiting factor to our operations and we maintain close contact with the marine industry so that if our equipment’s are unavailable, we can source third-party equipment for use on our projects.

**ASSET MANAGEMENT POLICY**

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**OUR MAIN EQUIPMENT AND MACHINERY**

- **9 MAN SATURATION DIVING SYSTEM**
- **AIR AND MIX GAS SPREADS**
- **DECK DECOMPRESSION CHAMBERS**
- **LARS AND WET BELLS**
- **SUBSEA AFRAMES AND SPOOL INSTALLATION TOOLS**
- **DMA AND RIGGING ITEMS**
- **Umbilicals**
- **HYDROTECH & BOLT TENSIONING EQUIPMENT**
- **NAVY FAMERS AND HALL DECOMPRESSION EQUIPMENT**
- **SAVAGE EQUIPMENT**
- **AIR BAGS ON DIFFERENT TONAGES**
- **RAP BINS**
- **REMOTELY OPERATED VEHICLES**
- **SUBSEA TRAINING FACILITIES**
- **AIR AND GAS QUADS**
- **HP AND LP COMPRESSORS**
- **MACHINARY CONTAINERS**
- **WELDING MACHINES**
- **NDT EQUIPMENTS**
- **CCTV’S**
- **AIR LIFTS AND WATER PUMPS**
- **SPRAY PANS AND CONSUMABLES**
- **FORK LIFTS AND TRANSPORTATION FACILITIES**
- **PORTABLE OFFICE CONSTRUCTION CABINS**
TMC (LLC) has one of the best safety records in the offshore subsea services. We have satisfied oil and gas clients since 2007 with 24-hour service, comprehensive safety and quality programs. In TMC (LLC) we are all responsible for achieving success in Health, Safety, Environmental and Quality issues. Through working together as responsible individuals in our onshore and offshore teams we can create an environment and workplace that is:

• Safe for all our employees, contractors, visitors and anyone who comes into contact with our operations
• Clean, tidy and maintained to standards that can help to preserve the living environment
• Healthy and create positive opportunities for individuals to express themselves
• Structured with working quality standards that help us achieve the performance standards, goals and objectives desired by our customers and stakeholders.

TMC (LLC) employees recognize that in all these aspects a duty of care exists between themselves to help each other to achieve the requirements of this policy statement.
Based on the Project’s Scope of Work / requirements and in accordance with the Project QC Plan, TMC’s QA / HSE Manager assigns the required QC personnel for successful completion of the project (for effective Supervision).

**QC ORGANIZATION**

**COMPANY ORGANIZATION**
<table>
<thead>
<tr>
<th>Item</th>
<th>Project</th>
<th>Client Name / Location</th>
<th>Remarks</th>
<th>Contract Status</th>
</tr>
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<tbody>
<tr>
<td>22</td>
<td>SPM</td>
<td>JAK Ship Management LLC</td>
<td>JAK-BOC Subsea Inspection on the Piles of (ABOT) and Khor</td>
<td>100% Completed</td>
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<tr>
<td>21</td>
<td>Repair of 4&quot; MEG Line KP-15 (SPD5)</td>
<td></td>
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<tr>
<td>20</td>
<td>ROV Services at SPD-9</td>
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<tr>
<td>19</td>
<td>Geotechnical Survey Services</td>
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<td>18</td>
<td>Repair of 4&quot; MEG Line KP-16 (SPD5)</td>
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<tr>
<td>17</td>
<td>Modification of 12&quot; Flume Pipeline with related Marine Spreads</td>
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<td>16</td>
<td>Construction of EPC Contract</td>
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<td></td>
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<tr>
<td>15</td>
<td>No. Of 7 Ton Subsea Mattress Installation for (ABOT) and Khor</td>
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<td>100% Completed</td>
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<tr>
<td>14</td>
<td>Relocation of 4&quot; MEG Line KP-70 (SPD3)</td>
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<tr>
<td>13</td>
<td>Since Establishment of KITO LLC</td>
<td></td>
<td></td>
<td>100% Completed</td>
</tr>
<tr>
<td>12</td>
<td>Charter Party Contract IOEC</td>
<td></td>
<td></td>
<td>100% Completed</td>
</tr>
<tr>
<td>11</td>
<td>Salvage of Linwa 12 Tug Boat</td>
<td></td>
<td></td>
<td>100% Completed</td>
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<tr>
<td>10</td>
<td>Diving Services for Al khaleej Field</td>
<td>QP TOTAL Mobilizing of DSV with related Air Divers</td>
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<td></td>
</tr>
<tr>
<td>9</td>
<td>Spool Tie – In 24 Inch with assist of Linden Shipping international LLC</td>
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<td></td>
<td>100% Completed</td>
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<tr>
<td>8</td>
<td>MUBARAK 30 Inch Gas Export Line Spool Tie</td>
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<td>7</td>
<td>SALMAN EPC-3 Riser Clamps and 4 Inch Meg Line</td>
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<td>6</td>
<td>ABU ZAR Modification of Al Hamra Marina RAK RAKIA</td>
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<td>100% Completed</td>
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<tr>
<td>5</td>
<td>Modification &amp; Inspection</td>
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<td></td>
<td>100% Completed</td>
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<tr>
<td>4</td>
<td>Repair on the Ruptured Line - Tie with the assist Marine Spreads of Linden Shipping international LLC</td>
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<tr>
<td>3</td>
<td>Installation Project  with assist of Linden Shipping international LLC</td>
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<td>POGC EPC Contract/Installation of 14 Subsea Services for JAK Ship Management LLC</td>
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<tr>
<td>1</td>
<td>Charter Party Contract</td>
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</table>