SUBSEA & MARINE SERVICES

COMPANY PROFILE

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# Table of Contents

1. Our Company ........................................................................................................................................ 3

2. Why Subsea Marine and Services? ..................................................................................................... 4
   - Vision ......................................................................................................................................................... 4
   - Mission ...................................................................................................................................................... 4
   - Values ........................................................................................................................................................ 5

3. Our QHSE Policy & Strategic Objectives ............................................................................................. 5

4. Our Services .......................................................................................................................................... 6

5. Our Diving Team ..................................................................................................................................... 7

6. Machines & Equipment .......................................................................................................................... 8
   - Full commercial diving spread .................................................................................................................. 8
   - Sub sea construction equipment .............................................................................................................. 8
   - Sub sea inspection equipment .................................................................................................................. 8
   - Deck equipment ........................................................................................................................................ 8

6.1. Organizational Structure .................................................................................................................... 9

6.2. Clients List and Project ...................................................................................................................... 10
1. Our Company

Subsea and Marine Services is 100% U.A.E National Company registered under the laws of Abu Dhabi.

Subsea and Marine Services is committed to delivering a high quality service in an efficient and safe manner, within agreed budget and schedule constraints. Personnel at Subsea and Marine Services recognize the importance of quality and safety management applications and strive to complete project scopes with due regard to the applicable statutory regulations, project specifications, procedures, and documentation requirements.

Combining our extensive experience we aim to find innovative solutions to underwater problems and to provide direct supervision and liaison at all stages of preparation and execution of a project, we believe we can offer assistance to any marine project, large or small.

Our divers have the experience and training needed to perform work which includes pipeline inspections, repair clamp installation, installation of sub sea assemblies and risers, hyperbaric welding, wet stick welding and cutting, anode replacement, anchoring pipelines, underwater jetting, underwater hot tapping, cleaning cooling towers and holding ponds, dock inspections, pier and dock repairs, plug and abandonment, and general diving services

Subsea and Marine Services maintains a quality management system in compliance with the requirements of ISO 9001. Subsea and Marine Services IMCA (International Marine Contractors Association) membership application is under process.

All work carried out by Commercial Diving Solutions is conducted in strict adherence to our comprehensive Diving Operations Manual.

Customer Satisfaction is on highest priority and Company’s Objective. To ensure customer satisfaction and continual improvement the company has adopted “International Best Practice” including:

- For diving operation our standards are:
  - Local & Federal U.A.E regulations
  - Abu Dhabi EHSMS Regulatory Framework Version 2.0
  - International Marine Contractors Association (IMCA) codes of practice, safety flashes and guidance notes including those issued by the associations
  - Diving Medical Advisory Committee-(DAMC) as appropriate to our operations
  - U.K HSE (Diving Operation Guidelines )
  - International Maritime Organization (IMO) regulations, Codes or Standards
  - Occupational Safety & Health Administration-OSHA
  - United State Navy Diving Manual Rev.06
  - Commercial Diving Manual by Richard & Rex Whistler
  - U.K HSE (Diving Operation Guidelines )
For Health Safety and Environmental Management System our standards are:

- Local & Federal U.A.E regulations
- Abu Dhabi EHSMS Regulatory Framework Version 2.0
- ISO 14001:2004
- OHSAS 18001:2007

For Quality Management System our standards are:

- ISO 9001:2008

Registration

- Licensed by the Department Of Economic Development. Abu Dhabi.
- Certified by Emirates Diving Association
- Certified by ISO 9001:2008

2. Why Subsea & Marine Services?

Vision

Our Equipment is to be the preferred diving related businesses in which we compete.

Our vision is put into action through programs and a focus on our activities to benefit our client by continual improvement, and a commitment to build Subsea Marine & Services a leading commercial diving company in the region.

Mission

Our mission is to provide our customers with professional diving services through earned experience, traditional hard work, exceptionally maintained equipment, with the highest commitment towards the safety of all personnel.

We accomplish this mission with an outstanding training and safety program, by thorough communication with our clients, and by constantly evaluating and improving the way we go about conducting our diving operations.
Values

With uncompromising integrity as our foundation we will: Inspire Engage, Create and Deliver. Our values are:

- **Safety:** We are committed to maintaining a safe and healthy environment in all of our offices and on each of our projects.

- **Quality:** We are committed to providing high-quality commercial diving services and strive for continuous improvement of our work.

- **Self-regulation:** We are committed to complying with all mutually agreed project specific requirements.

- **One team:** A company of team work spirit; we put the team ahead of our personal success and commit to building its capability.

- **Customer Focus:** We ensure that customer requirements are understood and those are met. Top Management monitors and measures customer satisfaction and keeps pace in enhancing customer satisfaction level by providing quality services on targeted delivery time.

3. **Our QHSE Policy & Strategic Objectives**

Subsea & Marine Services believes that safety, Health and Environmental protection is an essential part of professional management. The Management of Subsea & Marine Services places the utmost emphasis on Safety of Human Life and Protection of the Natural Environment. These concerns must “ALWAYS” take precedence over all commercial considerations.

The company’s main principles, goals and objectives:

- At all times Subsea & Marine Services will conduct operations in compliance with International Best Practice Standards and Local & Federal U.A.E regulations.

- Continuously improvement in safety management skills, including preparing for emergencies related both to Safety, Health and Environmental protection.

- Provision of safe practices and a safe system of work.

- Controlling occupational health hazards in our activities.

- Establish safeguards against all identified risks.

- Placing emphasis on human development and training.

Our employees as well as partners, contractors and their employees are required to comply at ALL TIMES with our Policy, Procedures and Work Instructions. They must all take the
necessary precautions to protect themselves, their colleagues, work sites, equipment and the environment.

To achieve our goals and objectives:

Our Safety Management System has been developed and implemented, which is based on complaints, non-conformances, incidents and internal audits, the system is reviewed on a yearly basis during the management review to verify its continuing effectiveness.

The company gives priority to its Safety Management System, it stresses that standards can only be met with the total commitment of every individual within the organization.

On a yearly basis, goals and objectives will be defined during the management review. The method for achieving these goals and objectives as well as the system by which the achievement will be monitored will be specified in an action plan.

4. Our Services

Subsea & Marine Services is registered with Abu Dhabi Municipality and serving Oil & Gas Sector, Industrial Sectors, Building and Construction Sector etc.

Combining our extensive experience we aim to find innovative solutions to underwater problems and the provision of direct supervision and liaison at all stages of preparation and execution of a project, we believe we can offer assistance to any marine project, large or small.

Our divers have the experience and training needed to perform underwater work which includes pipeline inspections, repair clamp installation, installation of sub sea assemblies and risers, hyperbaric welding, wet stick and underwater cutting, anode replacement, anchoring pipelines, underwater jetting, underwater hot tapping, cleaning cooling towers and holding tanks, dock inspections, pier and dock repairs, plug and abandonment, and general diving services etc.

The details of the services are:

- Installing and inspection of gates, strainers, pumps, flanges and filters
- Submarine cable laying & burial
- Sand bagging, concreting and grouting
- Air lifting, grit blasting, hydro-jetting
- Air and hydraulic powered tools
- Break water and intake cleaning
- Pre-fabricated harbour constructed system
- Block setting, placing of rock armour
- Search and recovery of lost equipment
- Using of underwater metal detector (magnetometer)
- Installation of inshore mooring systems
- Video surveys using closed circuit television system (cctv) system
- Cutting submerged vessels using underwater oxy-arch cutting (BROCO)
• Underwater welding (sub-sea installations and hulls)
• Flotation and lifting sinking and super-merged objects and wrecks using air bags, pontoons, underwater oxy-arch cutting (BROCO) etc
• Excavation seabed and pipeline weight coat removal for Sonoma tic inspection using hydraulic jack hammer, high pressure water jet, air lift and grit blasting.
• Jack up barges and rigs leg check, penetration measurements, leg prepare, underwater cutting and welding on site, cleaning, inspection…etc
• Mooring buoys maintenance installing and repair under and above water using oxy-acetylene and BROCO, welding, grinding, brushing, painting,…etc
• Anchor handling operations including anchors and dead weights shifting, relocations and repair.
• Subsea inspection for harbour jetties including piles, concrete installation, steel reinforcements, alignment and misalignment, video, photos, C.P. readings etc.
• Debris cleaning

5. Our Diving Team

We believe that only competent and well motivated team can do the job in a best way for customer satisfaction.

This consists of:-
• Specified minimum training standards (As per IMCA D 014 and AD EHSMS Regulatory Framework)
• Original documentation and qualifications are examined
• Resumes are checked against logbooks for verification of work experience claims.
• Reference contacts of at least the last two employers are required.
• Random checks of qualifications, and references.
• Depending on the circumstances, dismissal of personnel found to have knowingly supplied false or misleading information.
6. Machines & Equipment

Subsea & Marine Services is committed to provide diving services to their Customers as per their high level of satisfaction. We are not compromising on the quality of equipment; hence we ensure that all our equipment are complying with best International quality standard. All the equipments are maintained as per IMCA guidelines (IMCA D 18)

**Full Commercial Diving Spread**
- Decompression chamber
- High pressure compressors
- Low pressure compressors
- Air banks
- Diving radios (amcom III & amron)
- Kirby Morgan diving helmets 17,18
- JIC end fitting diving umbilical (170,100,50 meter long)
- Diving harnesses & diving ladder
- Bail out cylinders (10 liter each)
- Scuba cylinders (12 liter each)
- Scuba diving gears complete
- Loud speaker amplifier
- Closed circuit TV hat mounted camera (CCTV system)
- Air diving panel and Scuba replacement
- Pulley, diver recovery tackle
- Personal diving gears (fins, suits, knives, etc.)
- Diving spars, fittings

**Subsea Construction Equipment**
- Under water high pressure water jet
- Hydraulic jack hammer
- Vacuum low pressure air lift
- Under water grit blasting
- Under water cutting/welding gears (broco)
- Air bags & pontoons

**Subsea Inspection Equipment**
- Bathy-corrromter roxby
- U/W digital thickness meter Cygnus
- Sony digital video/still photos camera
- Metal detector
- Measuring tapes, caliper, identification boards
- Closed circuit t.v. system

**Deck Equipment**
- Fresh water H.P water jet washing machine (350 PSI)
- Oxy/acetylene
6.1. Organizational Structure
### 6.2. Clients List and Projects

We have demonstrated our knowledge and expertise by working experience with some impressive clients in the Middle East. Here's just a small selection of some work from our portfolio.

<table>
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<tr>
<th>Sr.#</th>
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</table>
- Inspection, cleaning and maintenance of sea water intake system. (screens A & B)  
- Underwater survey & inspection of the offshore pipeline A & B, chlorine and backwash pipes  
- Installing marker buoys  
- Underwater cutting |
- Seabed survey and inspection.  
- Installation of sea water intake system. (screen)  
- Installation of concrete block.  
- Installation of 6" HDPE pipe. |
| 3.   | Federal Electricity & Water Authority (FEWA). | One year contract number 130/6/150/2008/2010  
- Inspection, cleaning and maintenance of sea water intake system. (screen)  
- Ajman power station.  
- Nakheel Power station.  
- Qidfa power station.  
- Galilah power station.  
- Zawrah power station. |
- Block setting.  
- Placing of rock armour.  
- Video surveys using closed circuit television system (CCTV) system.  
- Pre-fabricated harbor constructed system |
| 5.   | E-Marine. |  
- Repair and burial of submarine cable offshore Abu Dhabi.  
- Repair and burial of submarine cable offshore at Jebel Ali, Dubai  
- Cable repair offshore (Sir Abu Nuair, Qatar, and U.A.E.)  
- Opening and cleaning of cable duct.  
- Cable lying & burial in Fujairah and Kenya.  
- Installing articulated pipes.  
- Video surveys using closed circuit television system (CCTV) system.  
- Under Water Inspection of Propellers & Thrusters |
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| 6.  | Nakheel. | • 6 Fresh water Pipeline installations.  
• Concrete block installation.  
• Removing marine growth from water intake. |
| 7.  | AL-DAR General Contracting L.L.C. Abu Dhabi (Al Raha Beach Development Project) | • Sea bad survey and inspection using CCTV.  
• Under water videos, still photos for the sea bad.  
• Measuring thickness for under water rocks.  
• Taking sample from sea bad in different location. |
| 8.  | Dubai Petroleum | • Cross hire for qualified commercial divers.  
• Riser installation.  
• Under water Inspection by MPI.  
• Installation and Cutting & Welding works.  
• Inspection and still photos for under water areas.  
• Inspection of anode corrosion feeder cables. |
• Under water videos, still photos.  
• Water Intake pipe line inspection. |
| 10. | Al-Gaber Transport & General Contracting L.L.C. (Al Raha Beach Development Project.) | • Sea bad survey and inspection using CCTV.  
• Under water videos, still photos for the sea bad.  
• Measuring thickness for under water rocks.  
• Taking sample from sea bad in different location.  
• Removing the rocks from sea bad in different location. |
| 11. | Al Areef Marine Contracting | • Salvage for marine unit at Abu Dhabi. |
| 12. | CCC (Underwater Engineering) S.A.L. | • Cross hire for qualified commercial divers.  
• U/W Inspection by MPI Installation Cutting & Welding works.  
• Inspection and still photos for under water areas.  
• Inspection of anode corrosion feeder cables.  
• Riser installation.  
• Post pulling root survey.  
• Welding R.T. pipeline string.  
• Sand blasting & painting. Trenching.  
• Pulling paging and hydrostatic test.  
• Plum manufacturing and installation. As built survey |
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| 13.  | Subtec Middle East Limited | • Cross hire for qualified commercial divers.  
      |        | • U/W inspecting platform.  
      |        | • Fixing anodes.  
      |        | • U/W inspection by scenes.  
      |        | • U/W sand blasting.  
      |        | • Free span correction.  
      |        | • Riser installation.  
      |        | • U/W cutting using Thermal lance.  
      |        | • Installing clamps.  
      |        | • Concrete block installation.  
      |        | • Removing marine growth from water intake |
| 14.  | Arab Center for Engineering Studies (ACES)- Al Raha Beach Development Project | • Sea bed survey and inspection using CCTV.  
      |        | • Under water videos, still photos for the sea bed.  
      |        | • Taking sample from sea bed in different location. |
| 15.  | JGC Corporation.  
      | Al Seeb Trading Est. (subcontractor) - Share power plant Oman. | • Pipe line inspection and maintenances.  
      |        | • Water Intake inspection and maintenances.  
      |        | • General inspection for the intake chambers.  
      |        | • Under water videos, still photos. |
| 16.  | Zakher Marine International Inc. | • Under water inspection, maintenance and cleaning for all of the ships. |
| 17.  | Al Ghaith Marine Services. | • Under water inspection, maintenance and cleaning for all of the ships. |
| 18.  | Tmam Marine Services | • Under water inspection, maintenance and cleaning for all of the ships. |
| 19.  | UAE Navy And Coast Guard (Equipment maintenances) | • Diving equipment.  
      |        | • Diving HP compressor. |
| 21.  | Tag Al Ain Oil Field Services Est. | • Cross hire for qualified commercial divers. |
| 22.  | Union Global Technical Equipment L.L.C. | • Cross hire for qualified commercial divers. |