Comprehensive Subsea Services for the Oilfield, Marine & Civil Engineering Industries

P.O. Box 282678
Dubai
United Arab Emirates
Tel: +971 (0) 4 323 3100

www.aqua-diving-services.com
Comprehensive Subsea Services for the Oilfield, Marine & Civil Engineering Industries

Learn more about us online at:
www.aqua-diving-services.com

>>> Company Background
We provide a comprehensive diving and marine support service for the oil & gas, marine and inshore civil engineering industries

We operate from three locations across the UAE

Aqua Diving Services in Dubai and Sharjah provide a complete service for underwater work including jack up vessels, diver support, ‘Remote Operated Vehicles’ for pipeline surveys & inspections and oil & spill response teams.

Aqua Marine Services operates from Abu Dhabi and provides charter services of our Self-Elevating Work Platform, Aqua Jack-I as well as complete services for diving and underwater work.

In addition to undertaking major offshore projects the company also provides a 24/7 call-out service on a continuous basis with fully serviced ‘oil and spill’ response equipment stored and maintained in our Al Quoz Facility in Dubai.

Aqua Diving is a diving division member of the International Marine Contractors Association (IMCA) and divers employed by Aqua Diving have experience in all aspects of oilfield and civil engineering sub-sea work.
We operate from three locations across the UAE and service the entire Arabian Gulf.

Aqua Diving Services DUBAI
PO Box 282678
Dubai
United Arab Emirates
Located in Al Quoz Industrial Area 4
Tel: +971 (0) 4 323 3100 / +971 (0) 4 323 3200
Fax: +971 (0) 4 323 2300

Aqua Diving Services SHARJAH
PO Box 1875
Sharjah
United Arab Emirates
Located on Al Layyah Road near Khalid Sea Port
Tel: +971 (0) 6 528 5323 / +961 (0) 6 528 3287
Fax: +971 (0) 6 528 1720

Aqua Marine Services ABU DHABI
PO Box 4030
Abu Dhabi
United Arab Emirates
Located in Al Musaffah Building 93-94B
Tel: +971 (0) 2 550 0522
Fax: +971 (0) 2 550 0544

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>>> Subsea Services
We perform subsea services in both the on-shore and off-shore industries

- Mobile Offshore Drilling Units
- Oil related transport offshore
- Production and storage vessels
- Fixed offshore installations
- Scour and Penetration Checks
- Cathodic Protection
- Installation and Maintenance
- Lay Barge and Derrick Barge Operations
- Non-Destructive Testing (MPI and Ultrasonic Thickness)
- Seabed Surveys
- Calm Buoy (SPM) Survey / Inspection/Installation
- Trenching.
- Free Span Correction
- Pipeline Installation and Repair
- Pipe and Cable Lay Support.
- Cross Over Rectification and Supports.
- Underwater Inspections In Lieu of Dry Docking Vessels & Barges Survey Inspections.
- Ship Hull Inspections / Cleaning.
- Propeller Installation & Repair
- Surface Supplied Air and Mixed Gas Diving to 500m of Sea Water
- Derrick/Lay Barge Support
- Hose Change
- Platform & Anode Retrofit
- Salvage
- Underwater Burning / Welding
- Drilling Rig Support
- Platform Inspections- Level I,II,III & Video Inspection
- Pipeline Repair & Construction
- Power and Fibre Optic Cable Burial using the Gator and Sea Otter Burial Machine
- Pipeline Plug & Abandonment
- Platform Removal
- Platform P & A Support
- Underwater Photography and Video
- Well Head Repair and Abandonment
- Riser Installation and Removal
- Sub Sea Tie-in
Our established service department provides clients with trusted and professional inspection below the waterline.

Classification consists of a representation of the level of compliance of a ship, vessel or offshore structure to the rules set up by a classification society. Ship classification provides a point of reference on ship safety and reliability to shipbuilders, ship repairers, shipbrokers, charterers, flag administrations, insurers and financial community.

As one of the leading classification societies in the world, Bureau Veritas establishes and applies rules in relation to the design and construction of a ship, and assesses the structural strength of the ship as well as reliability of the machinery on board during its life.

There is increasing concern for the integrity of aging and a greater need to compile reliable sub-sea condition assessments to meet ever-increasing safety and reliability legislation. Aqua Diving has an established underwater inspection service department to provide clients with professional inspection below the waterline.

- Video and Photographic Surveys
- Magnetic Particle Inspection (MPI)
- Eddy Current Inspection
- Ultra High-Pressure Water or Grit Blasting
- Close Visual Inspection
- Ultrasonic Inspection
- Maintenance and Repairs (Hull)
- Hull Cleaning
- Welding
- Remote Operated Vehicle (ROV) Surveys

Aqua Diving is approved to perform Underwater Inspection for the following classification bodies:

- American Bureau of Shipping
- Bureau Veritas
- Det Norske Veritas
- Lloyds Register of Shipping
- Germanischer Lloyd
- RINA

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Aqua Diving is a leading expert in marine salvage and oil spill response and provides a 24/7 emergency callout service.

With extensive work and experience in many operations around the Middle East over the years we have all the necessary plant and equipment needed to react to any accident or spillage in an emergency 24 hours a day.

We have lifted a water-carrying vessel of more than 100 tons and carried out successful search and recovery operations for highly valuable small items.

Aqua Diving owns all plant and equipment required for salvage including pumps, lift-bags, cutting gear, patching equipment and tools on hand and can mobilise as quickly as is needed to an emergency via our 24/7 callout procedure.

We have been involved in salvage operations including:

- Sunken Dockyard Cranes
- Aircraft
- Mobile Cranes
- Articulated HGV's
- Fishing boats
- Vehicles
- Statues

“We will salvage, recover or refloat anything from a shovel to a ship”
Aqua Jack I is a self-elevating work platform built to RINA standards to provide support in offshore oilfields and shallow water.

Specifications

**General**
- **Description**: Self-propelled Jack-up Barge
- **Built / Rebuilt**: 1976 / 1996 / Hull 2011
- **Owner**: Aqua Diving Services Ltd
- **Port / Registry No.**: Sharjah / 3880
- **Class**: RINA (100-A-1.1 nav, AP)
- **Official Number**: 74944
- **Builder**: Sun Contractors Inc.
- **IMO Number**: 8959520

**Tonnage**
- **Gross**: 215
- **Net**: 64

**Capacities**
- **Fuel**: 2632 gallons
- **Water**: 2842 gallons (min)
- **Lube Oil**: 110 gallons
- **Hydraulic Oil**: 384 gallons

**Propulsion**
- **Main Engines**: Two x 225 HP GM 8V 71
- **Reduction Gear**: Twin Disc MG 509 (2.5:1)

**Dimensions**
- **Length (Moulded Barge)**: 74’ - 0”
- **Length Overall**: 83’ - 1”
- **Width (Moulded Barge)**: 38’ - 0”
- **Width Overall (excl leg pads)**: 50’ - 0 ¾ “
- **Width Overall (Maximum)**: 53’ - 0”
- **Depth**: 6’ - 32” approx
- **Open Deck Area**: 47’ x 32’ approx

**Operational Data**
- **Maximum Deck Cargo**: 140,000 lbs
- **Maximum Working Depth**: 50 feet – 15.24m
- **Normal Lift Speed**: 10 fpm
- **Total Berths**: 23
- **Fuel Consump (2 engines)**: 25 gal/hour (steaming)
- **Fuel Consump (1 generator)**: 2 gal/hour
- **Main Crane**: 14.7 ton max
- **Legs**: 3
- **Number**
- **Size**: 100’ x 36” diameter
- **Wall Thickness**: 0.625”
- **Feet**: 8” diameter

**Living Quarters**
- **Berths**: 23
- **8 crew rms / 4 priv ens**
- **Living Quarters**: Galley & Rec room
- **All fully air-conditioned**

**Legs**
- **Number**: 3

Learn more about us online at: www.aqua-diving-services.com
Aqua Diver II is a self-propelled barge specifically built to provide support for offshore oilfield maintenance and construction in shallow water

Specifications

General
Description: Self-propelled Barge
Built / Rebuilt: 1982
Owner: Aqua Diving Services Ltd
Port / Registry No.: Sharjah / 4964
Class: RINA – BAS + A1 + AMS
Official Number: 8522509
Builder: Gulf Marine (GMMOS)

Tonnage
Gross: 351
Net: 105
Deadweight Tonnage: 168 @ 1.25 metres draft

Capacities
Fuel Oil: 100 tons
Fresh Water: 135 tons

Dimensions
Length Overall: 36.58 metres
Beam Moulded: 10.36 metres
Depth Moulded: 2.75 metres
Draft: 1.52 metres
Clear Deck: 160 sq metres
Deck Uniform Loading: 5 tons / sq metres

Propulsion
Main Engines: Two x GM Detroit diesel series 8V71 total output: 498 BHP

Living Quarters
Berths: 28 (inclusive of crew)
: 1, 2, 3 & 4 person berths

Operational Data
Peak Speed: 5 knots at 100% RPM
Cruising Speed: 4 knots at 85% RPM
Range: 5,200 NM
Standard Crew: 7
Total Berths: 28
Fuel Consumption (peak): 2.0 tons / day
Fuel Consumption (cruising): 1.6 tons / day
Fuel Consumption (anchor): 0.3 tons / day

Deck Equipment
Mooring System: 4 x 10 ton hydraulic winches
: 4 x 2,000 LBS power anchors
: 4 x 450m steel wire rope
Cranes: Hydraulic telescopic pedestal crane 360 deg traverse, max SWL 8 tons
boom length of 22-37 feet extendable
: Hydraulic telescopic pedestal crane 360 deg traverse, max SWL 25 tons
boom length of 55 feet extended
Spuds: 2 x spud kgs for pinning down in up to 6m of water

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Trenching & Cable Burial
Our specialized trenching and cable burying machines are able to trench, lay and bury fiber optics cables and pipelines under the seabed.

The Gator  Self-propelled shallow water cable trenching system

THE GATOR tracked trencher system was designed to provide a cost effective, comprehensive subsea cable trenching system that is modular, easily shipped, and can be operated from vessels in order to provide services to the telecommunications and power cable industries. The Gator is capable of simultaneous lay and burial, or post lay burial in up to 2m of soft sand and 0.8m of harder sea beds. The device includes a suite of tools and uses a universal, rapid change tool mounted system including:

- Mechanical chain cutter for compact sand and stiff clay
- Rock wheel for rock and coral
- 1000 meter umbilical length
- Operational radius of 500 meters
- Can also be used both near and on shore

The Otter  Tracked remote controlled shallow water cable burial vehicle

THE OTTER is a tracked shallow water remotely operated vehicle designed to operate from a range of vessels. Capable of simultaneous lay and burial, or post lay burial of cables, fibre optic cables, and pipelines to a depth of 2m using a hydrodynamic fluidization method.

The Otter Trenching system offers short time mobilization / demobilization, minimal risk for damaging the cable, and easily carried out adjustments to meet different technical requirements. It can be used in a variety of seabed conditions & uses diver assistance for positioning. It can lay pipelines/cables from 100 to 300mm diameter.
We have an extensive range of water-related equipment available for hire 24/7

**Bashair 27FT dive support vessel and service boat**

Description: Service Boat
Built / Rebuilt: 2001
Port / Registry No.: Sharjah / 4889
Type of Hull: Fiberglass GRP moulded hull
Passengers: 8 person (including 2 crew)

**ROV Triggerfish** lightweight, portable ROV designed for underwater inspections.

Description: Remote Operated Vehicle (ROV)
Chassis: Polypropylene modular chassis
Standard Working Depth: 152 m / 500 ft
Operational Working Depth: 305 m / 1,000 ft
Propulsion: 120vcd high powered motors
Control: Individually controlled from surface
Camera: DOE 18:1 colour zoom camera
Onscreen Display: Continually updated video display

**Jet Pump** lightweight annular-type for pumping liquids and solids driven by liquid, such as fresh or sea-water or oil.

Description: Diver Jet Pump
Length: 1230mm / 48 inch
Weight: 18.5 kg / 41 lb
As a LIQUID-LIQUID Pump: Up to 100m³ per hour of liquid
As a LIQUID-SOLIDS Pump: Up to 40 tonnes per hour of solids, and pass solid particles up to 75mm in size
Discharge Distance: From a few metres up to 100m
Mobile decompression chambers with qualified operators are available

Aqua Diving owns and operates a number of decompression chambers. We have technicians with full Diver Medic Training (DMT) certification who are qualified to operate the chambers and can mobilise them on short-notice or for emergencies. Aqua Diving has successfully treated divers for decompression sickness.

All of our chambers include:

- Cooling
- Two way communication
- Lighting
- Reserve supplies of treatment gases
- Reserve supplies of air both HP & LP
- Silencers for the evacuation of compressed air
- A food lock or medical lock
- A second chamber
- Space sufficient for two casualties
- Clearly marked gauges and valves for the controlling of pressure
- Fully portable
We are an ISO 9001-2000 and ISO 14001-2004 company with dedicated HSE professionals.

“\textit{It is our firm belief that no job is so important that it cannot be conducted in a healthy, safe and environmentally acceptable manner.}”

In order to achieve our HSE objectives management is committed to providing sufficient resources, training, personnel, plant and procedures to meet the required company standards and local legislation as a minimum.

HSE matters are always given an equal level of importance as any other part of the company business. Managers endeavor to provide and encourage ongoing support to ensure our health, safety and environmental policies improve the company’s performance in such matters as is reasonably practicable.

Dedicated HSE Staff, Line Managers and Supervisors ensure that all company procedures and operations, including underwater and subcontractors work, are monitored, enforced and conducted in such a manner that they do not contravene the health or safety of employees, third parties, the general public or unreasonably effect the environment.

As part of its ongoing commitment to excellence, we are committed to supplying the highest quality across all the company’s business areas. By consistently providing services that meet or exceed consumer expectation and international standards, we will achieve strong business performance.

All employees are expected and actively encouraged to help the company attain high quality standards in safety and service.
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>>> Company Structure & Projects
Organisational Structure

Managing Director
Clive Frost

General Manager
Edward Bowen

QHSE Manager
Jozina Frost

Diving Operations Manager
Stephen Emm

Administration Manager
Arlene Adcock

Accounts Manager
Bhagtha Vaikalam PM

Vessel Masters
Captain Chandruthy Sathian
Captain Maria

Diving Operations
ADS Yard
HR / Admin Department
Procurement & Stores
Accounts Department
Vessel Management
QHSE

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We service local and international clients across a range of industries
## Long Term Contracts

Our longevity in the region and strong customer focus has helped us to maintain numerous long-term contracts with clients.

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Project Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sharjah Electricity &amp; Water Department Sharjah</td>
<td>Since 1987 we have provided services covering all aspects of underwater inspection and maintenance relating to power generation stations.</td>
</tr>
<tr>
<td>Mouchel Parkman M E. Dubai</td>
<td>Provision of Inspection Divers for Festival City Project since 2004.</td>
</tr>
<tr>
<td>Fisia Italpianti Dubai</td>
<td>Video and photographic inspection of Intake heads, fore bays and randomly selected access man ways and inspection of chlorination line and hardware for 50m at each access point on three intake lines.</td>
</tr>
<tr>
<td>Ruwais Shared Facilities Abu Dhabi</td>
<td>Since 2004 we have conducted a six-monthly inspection of Bluewater CPM. Video, Photographic and C. P. inspection techniques. Replacement of sub sea hydraulic PLEM control valve.</td>
</tr>
<tr>
<td>Athena SA Khor Fakkan &amp; Fujairah</td>
<td>Since 2007 we have supplied dive teams for breakwater and jetty construction in Khor Fakkan and Fujairah Ports</td>
</tr>
<tr>
<td>Argas KSA Aramco Fields</td>
<td>Provision of IMCA dive team and air diving spread on 10-month contract to support seismic survey operations</td>
</tr>
<tr>
<td>Dubai Aluminium Co Dubai</td>
<td>Underwater video inspection of Intake Heads, interior of Intake Lines and Chlorination lines and clamps inside of 3 x 2m diameter seawater intake lines.</td>
</tr>
<tr>
<td>Sharjah Electricity &amp; Water Department, Kalba / Khor Fakkan</td>
<td>Maintenance and cleaning of Stilling Basin, Installation of Stop Logs, cleaning of Johnson screens for raw water intake and reverse osmosis for fresh water.</td>
</tr>
</tbody>
</table>
## Completed Projects

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Project Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bunduq Company Ltd</td>
<td><strong>Conductor Repairs</strong> Conductor repairs in the Bunduq Oilfield including vessel hire, diving personnel, equipment.</td>
</tr>
<tr>
<td>GPD Qatar</td>
<td><strong>Kakara Field</strong> Installation of spool pieces and charter of Aqua Jack-I for oilfield work.</td>
</tr>
<tr>
<td>Crescent Petroleum Company</td>
<td><strong>Mubarak</strong> Personnel &amp; Equipment for urgent mobilization of diving services for hull leak rectification in FSU Mubarak.</td>
</tr>
<tr>
<td>Likpin</td>
<td><strong>Offshore Pipeline Project</strong> Construction and installation of offshore pipeline in Nam Rong – DOI MOI. Including vessels, diving personnel and equipment.</td>
</tr>
<tr>
<td>Arabian Geophysical &amp; Surveying Co.</td>
<td><strong>Geotechnical Siesmic Survey Support</strong> Providing support to ARGAS operations on a 10-month contract including but not limited to seabed surveys, debris clearance, equipment and tool recovery and general inspections.</td>
</tr>
<tr>
<td>Fisia Italimpianti S.P.A.</td>
<td><strong>Rectification of Intake Channel</strong> Diving works to rectify intake channel at Jebel Ali Power and Desalination Station.</td>
</tr>
<tr>
<td>Nexams Norway</td>
<td><strong>Dolphin Project</strong> Provision of services at Ras Lafan, Qatar. Burial of umbilicals viz for near shore trenching</td>
</tr>
<tr>
<td>BP Middle East Ltd</td>
<td><strong>Fender Replacement - Emarat Sharjah Terminal</strong> Supply of vessels, personnel and equipment to replace fender at BP-Emarat Sharjah terminal.</td>
</tr>
<tr>
<td>Gulmar Offshore ME</td>
<td><strong>Sadora Contract</strong> Equipment and personnel for the Sadora-Kharg Contract – free span corrections</td>
</tr>
</tbody>
</table>

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