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# Reliability in onshore and offshore service support

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Delivering reliable, cost-effective  
Marine and Oil & Gas Industry  
service support across the entire  
Mediterranean region



*SAFEGUARDING YOUR INTERESTS 24/7*

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[mmh.com.mt](http://mmh.com.mt)





"In 2016, the Maltese government entered into a 65-year emphyteutical grant with Ablecare Oilfield Services Group to develop, manage, and operate the facilities at the former Marsa Shipyard in Valletta Port, transforming them into the Mediterranean Maritime Hub; a world class regional hub capable of supporting and sustaining the most challenging and complex Marine, Oil and Gas Industry operations, anywhere in the Mediterranean and North African region.

In order to ensure a seamless and holistic supply chain, the Group's subsidiaries, Mainticare Ltd, Ableman International Ltd and the Ableman Academy, have been amalgamated into MMH Malta Ltd, a single, integrated organisation which is customer-focused and easy to access.

MMH supports both the marine and the oil and gas sectors, plus inherits an established reputation for service and quality from its predecessors. MMH will build on this reputation to expand the scope of services offered, and ensure that MMH excellence is available to your organisation, wherever you are operating in the Mediterranean.

The Mediterranean Maritime Hub will take the Mediterranean Marine, Oil and Gas Industry to new levels of efficiency and competitiveness. MMH is your versatile and highly capable delivery arm in the Hub.

We look forward to introducing you to MMH."

*Mr Paul Abela*  
Chairman

MMH has been created specifically to help the oil and gas industry unlock the operational and commercial potential of the Mediterranean Maritime Hub. MMH's fundamental purpose is to enable Hub constituent companies to increase their efficiency, reduce their costs, and better manage their risks.

MMH is working with the Hub's constituent companies to develop and operate the industry's first truly holistic and fully integrated facility. Striving deliberately to create the new kind of facility and model required by the recently changed commercial and operational realities of the oil and gas sector.

MMH functions as a facilitator for Hub constituent companies who are:

- looking to utilise Hub facilities and services;
- wishing to become part of the Hub's supply chain;
- seeking a stable and secure project location;
- wanting a regional operations support base.



## MMH enables:

- **'Fit for purpose' full supply chain** support for the Marine and Oil & Gas Industry in a single location, accessible from anywhere in the Mediterranean.
- **Integrated services provision and project planning** which, together with new ways of working, provides faster turnarounds, leaner crews, more efficient operations and reduced asset non-productive time.
- High quality repeatable and reliable **service support to company operations anywhere in the region.**
- Local content-compliant Regional Reach capability can help companies **better manage and mitigate their operational risks** in particularly challenging geographies.

## MMH offers:

- **Port Services**
- **Technical Services**
- **Recruitment and Crew Logistics**
- **Training**
- **Regional Operational Support**

Strategically located in the centre of the Mediterranean, MMH can deliver what you need, when you need it, and how you need it. Onshore or offshore, our high quality facilities and service provision are a major enabler for your business success.

## Marine Agency & Operations

Working in a strategic port location, MMH offers a range of support from highly efficient rig move support, to marine services designed to speed up turnaround time and improve the cost-efficiency of your business:

### Port services

The provision of services including water supply, shore power supply, sludge removal, ship generated waste collection and logistics, ship supplies and transport

### Bunkering

The provision of bunkering supplies, both at berth or offshore, including provision of suitable transfer vessels to cater for the specific requirements of the receiving vessel or installation

### Underwater operations

Underwater inspections, repairs, cleaning and welding, all undertaken by fully qualified personnel

### Vessel chartering

A cost effective solution to meet client vessel requirements for particular SOW, including deep sea tow, salvage, cargo runs, anchor handling, sub-sea works and stand-by

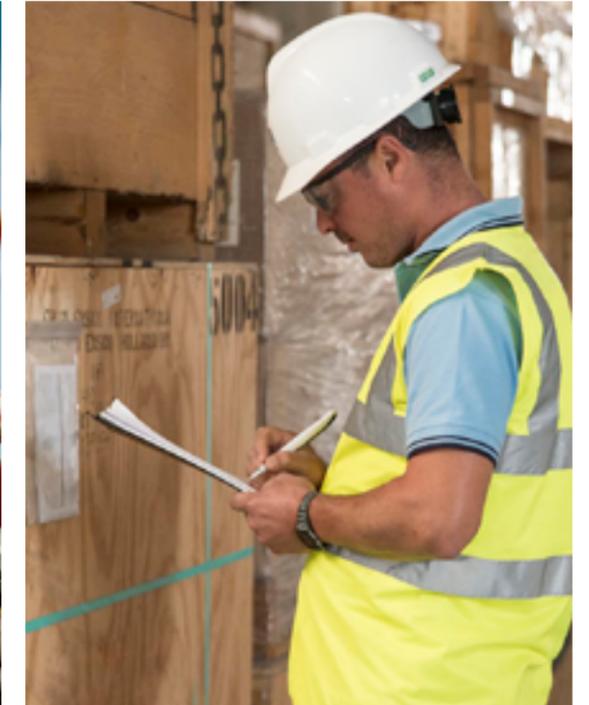
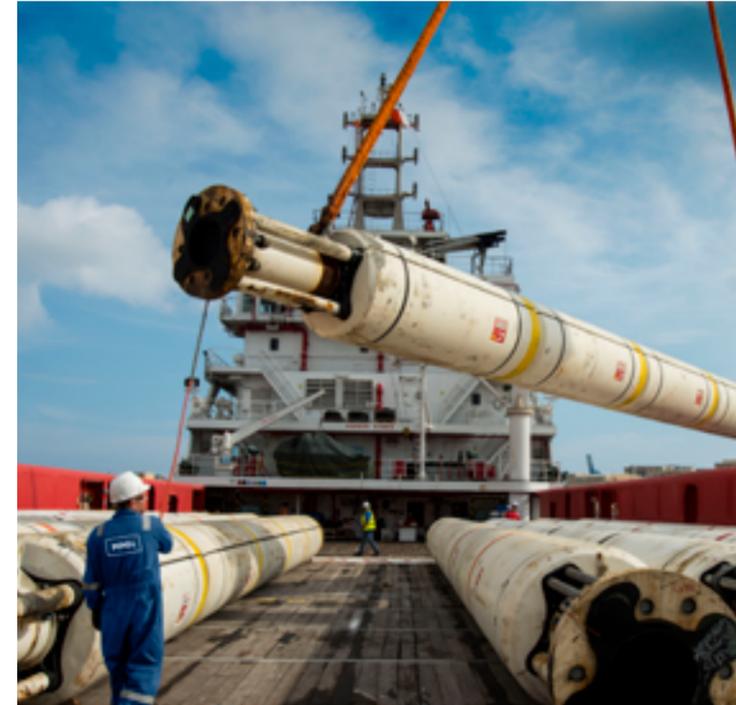
### Berthing facilities

1200m of berthing space catering for cargo operations, maintenance and repairs, crew changes and provision of in-port services

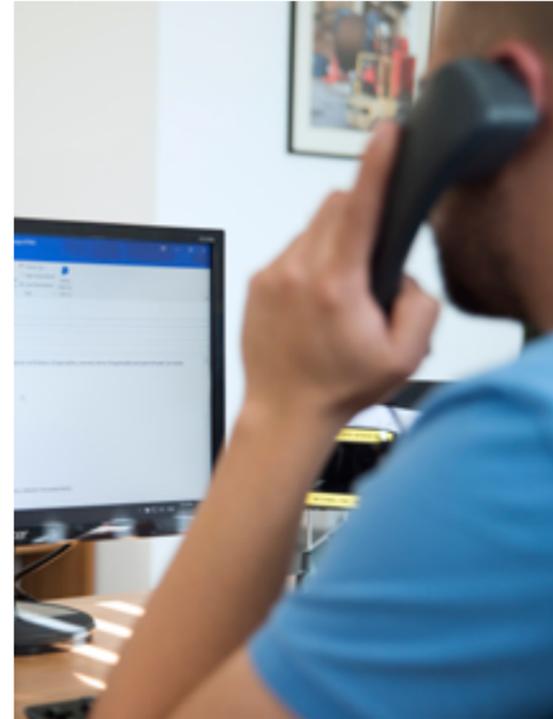
## Yard Operations & Warehousing

Thanks to the facilities at the Mediterranean Maritime Hub, MMH can offer extensive covered and uncovered warehousing able to handle and store a diverse range of cargo.

- The flexibility and adaptability to handle container cargo, liquid bulk, dry bulk, breakbulk and activity
- Freezone and non-freezone warehousing status
- Multiple security levels available from routine checks, to continuous and automated monitoring
- Lifting and handling capability for cargoes up to 200 tonnes



*The transfer of marine risers from the Hub to a drill ship is just one example of how MMH's multiple capabilities are combined to deliver a holistic solution for the client. Vos Prince was chartered to transfer marine risers from the Hub to a rig location offshore Cyprus. In turn, risers were back-loaded to Malta for maintenance. We also provided full husbanding services and vessel clearance.*



## Procurement

Efficient procurement is critical to cost-effective operations. MMH's procurement capability will give your business a commercial edge you can rely on.

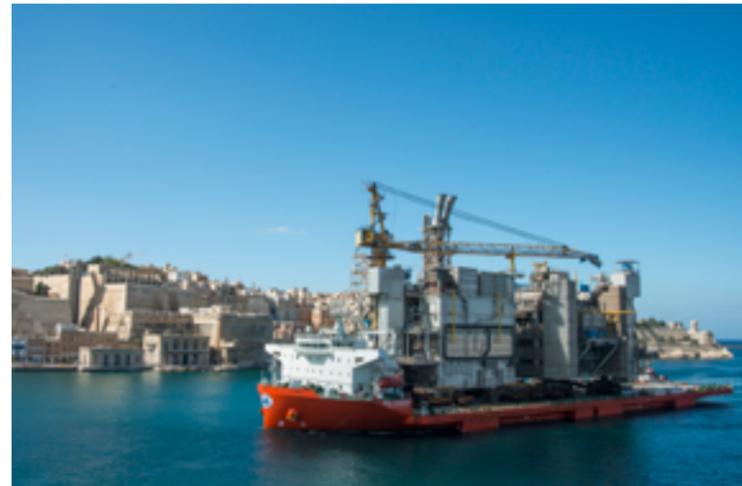
- High-reliability, deadline sensitive, procurement support anywhere in the Mediterranean
- Rigorous vendor selection
- Full documentation
- Optionality and alternatives
- Service provider co-ordination and management
- Immediate on-demand availability for supplies

## Shipping & Logistics

A world class support services hub demands access to a proven global logistics capability delivering world class, full service support. MMH has that proven global logistics capability.

- Full service support including customs management and rate negotiation
- A fully computerised, custom built logistics system
- Regular supplier review and assessment
- Visual consignment checks
- Rapid, deployable logistics support including aviation heavy lift capability
- Experienced teams with direct experience and a practical understanding of the wide range of likely components to be moved

*Whether the job involves an urgent, hand-carried shipment from Aberdeen to be cleared and processed in just a few hours, or needs a cargo vessel to be fully loaded and cleared for shipment to Egypt at very short notice, our shipping and logistics teams have an impressive track record of delivering to tight deadlines.*



*When their agent in North Africa failed at the last moment, one of the world's largest service companies turned to us. The specialised parts they needed were sourced, crated in custom-built crates, fumigated and shipped out with all the necessary documentation in place to meet the certification requirements. We met our deadlines and, even more importantly, our client met theirs.*



At the core of our business is the ability to provide a full range of technical service support for the Marine and Oil and Gas sectors.

## Survey Support Services

All afloat works required by the marine industry and rigs can be carried out along our 1200m quayside.

### Surveys

Annual and load line surveys  
Intermediate surveys  
Full, five-yearly survey (and all repairs required according to the vessel's classification society)

### SPSs

For the oil and gas industry we also offer assistance and carry out SPSs together with our strong supply chain

## Deactivation, Preservation and Reactivation

Place your high value assets in trustworthy hands, reduce risk and save time through the reliable and professional reactivation and deactivation services at MMH.

- A full reactivation service
- Safe and efficient equipment storage
- Deactivation, preservation and reactivation carried out as you request or as directed by the Original Equipment Manufacturer

## Inspection and Certification

MMH delivers rigorous and professional testing with all the cost and time benefits of testing in a single location.

MMH can provide warranted engineers, certified technicians and PCN NDT technicians. All personnel have the relevant training and certificates to carry out the work on rigs and vessels. Inspections and certification can be carried out onshore or offshore as you require.

### NDT

Visual Inspection (VI)  
Magnetic Particle Inspection (MPI)  
Dye Penetrant Inspection (DPI)  
Ultrasonic Testing (UT)  
Eddy Current  
Radiography (RT)

### Pressure Testing

Pressure testing up to 30,000psi, (2068bar)  
Regular equipment inspection and calibration

### Mechanical Load Testing

Mechanical load testing to inspect and certify structures such as cranes, pad-eyes and other lifting equipment  
Testing method using calibrated load cells and equipment

### Electrical Load Testing

Electrical motor and generator calibration and verification  
Testing method using calibrated and certified equipment

### UWILD

An alternative to dry-docking  
Inspections as specified by class  
Supporting diving operations where required

## Mechanical Works

MMH has the skills, experience and facilities to deliver the maintenance and repair capability to keep you operational, in Malta or offshore.

We have the capability to offer annual vessel maintenance, mechanical troubleshooting including solution development and implementation, plus also offer experienced and trained mechanics.

### Inspection, Maintenance and Repairs (IMR)

Top overhauls and major overhauls  
Engine replacement  
Ancillary equipment inspection, maintenance and repair

### Machining

A well-equipped machining workshop with lathes, milling machines, surface grinders and more general machining equipment

### System Upgrades

A one-stop stop for machinery upgrades

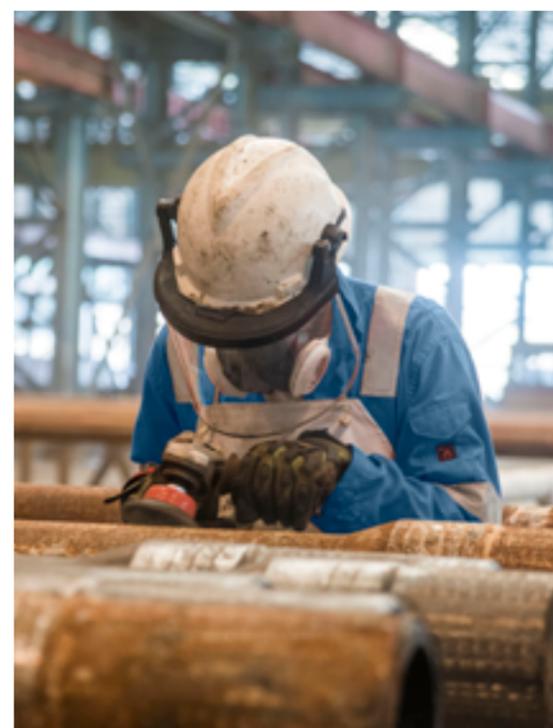
### Surface treatment/coating

Blast booth and a spray booth of 30m x 12m each  
Blasting and painting to the highest standards including NORSOK Powder and Xylan coatings

### High Pressure Cleaning

High pressure equipment up to 750 bar





## Tubular inspection, maintenance & repair

### Subsea Riser

#### Disassembly of Risers

- Removal of floats
- Removal of auxiliary lines
- Removal of jewellery
- HP washing and flushing

#### Inspection of Risers

- Visual and dimensional check on lines and main tubes
- NDT inspection on main tubes and lines
- NDT inspection on jewellery

#### Blasting and Painting of Risers

- Bare metal blasting on flanges and welds of main tube
- Bare metal blasting on auxiliary lines boxes and welds
- Sweep blasting on remaining surface of lines and main tubes
- Painting with three coat system on bare metal and one coat system on covered surfaces

#### Reassembly of Risers

- Assembly of jewellery on main tube
- Insertion of aux lines into main tube
- Assembly of flotation modules onto risers

### Drill Pipe

#### Unbundling of drill pipes on pipe racks

- Lifting bundle on racks
- Preparation for washing

#### Cleaning of pin and box tool joints

- Mechanical and chemical cleaning at tool joint
- External high pressure washing
- Flushing of drill pipes
- Cleaning of thread protectors

#### Surface preparation for NDT

- Buffing of areas required to be inspected

#### Inspection of Drill pipes

- Visual inspection on tool joint face
- NDT inspection at tool joint and along joint
- Dimensional checks on tool joint
- Marking out and classifying joints post inspection

#### Repairs

- Re-facing on site following inspection
- Re-cutting of damaged threads in workshop
- Hard band on tool joints

#### Re-bundling of Drill pipes

- Preparation for delivery to client

## Steel Work

**Our commercial heritage in fabrication; plating, pipe work or steel structures, makes steel fabrication a core skill for MMH.**

- S235, S275, S355, stainless steel 316 and 316L together with other non-metallic steels
- The ability to supply steels with mill and class certificates on request
- Regular calibration and certification of all essential equipment used for steel work
- High calibre, fully-certified personnel able to carry out works offshore or aboard ship

### Plating

Plate renewal and repair

### Pipe Works

Pipe repair and renewal  
Full pressure testing and certification  
Complete package available

### Steel Fabrication

Modifications on vessels or steel structures  
Fabrication carried out by experienced and trained personnel  
The capability to cut flat sections of 750mm x 560 mm and round sections up to 560mm

### CNC Cutting

CAD-based system  
CNC cutting capability: 30mm using plasma, 300mm using flame



## Electrical/Control Work

**Simple or complex, off the shelf or custom-built, MMH delivers state of the art, finished products that can meet the requirements of LLOYDS, BV, DNV, ABS and RINA.**

- Marine electrical/electronic solutions designed and engineered on site
- Competitive electrical and electronic ship and rig installations
- Preventive maintenance (such as AIR Circuit Breaker overhauling and certificate for current injection testing that meets classification society requirements)
- Monitoring instrument calibration and certification

### Switch Board Design and Building

Brand new switchboard design or replacement  
Component supply and installation

### Fire and Gas Detection

Total solution, CONSILIUM fire and gas detection systems for any vessel  
Highly trained staff

### Inspection, Testing and Troubleshooting

Electrical equipment inspection, maintenance and repair  
Equipment testing  
Data and record logging  
Report creation

### PLC Programming

Complete package to set up a PLC-controlled system  
Programming of Ladder Diagram for a variety of PLC manufactures



## Navigational and Safety Equipment

**One of the most important skill sets within MMH is our experience and expertise in the safety critical areas of navigation and safety equipment. In an area where trust and reliability is safety critical, MMH can deliver extensive service provision for marine vessels, rigs and platforms, including provision of qualified service engineers.**

### Equipment Installation

Offshore installation as well as quayside  
Complete installation service including the supply of cable trays, bulkhead penetrations, etc

### Recertification of Safety equipment

Inspection, testing and recertification of immersion suits, lifejackets, life raft, suppressed firefighting systems and other lifesaving equipment SOLAS compliance

Repairs, installations, annual test and certification

MMH'S recruitment team ensures that you have the right people with the competent skill set, while MMH's crew logistics team makes sure they're in the right place, with the right paperwork, at the right time, where and when you need them.

## Recruitment

At MMH, we understand that the quality of your people is critical to the quality of your business and your ability to compete successfully. That's why MMH takes care searching, selecting and screening individuals who will deliver to the performance you want.

Where local content is a contractual concern, we can accommodate those demands too.

- A holistic approach to solving your personnel challenges, no matter how challenging the deadline
- Quality candidates screened by qualified staff to make sure that they have the right expertise, qualifications and attitude
- Drilling personnel at all levels as well as specialised project teams in the repair and overhaul, procurement and supply functions
- A highly experienced team to support the search and selection process

*Local content is often a critical project component. We have successfully supported projects in North Africa, and our services included local recruitment undertaken by teams on the ground using MMH and its attendant resources to provide assessment support and training if required.*

*One of our specialties is providing our clients with full crews to man-up a rig at the start of a new drilling campaign. From experience, we factor in a contingency too, so our clients don't go short-handed and costly delays are avoided. Our attention to detail includes actively assisting crew with transport, accommodation and joining instructions.*



*One of our toughest challenges was to provide specialised crew ready to start a 12 hour shift, for a short term project, with less than 10 hours' notice. We delivered.*



## Lean Crew

In addition to the traditional personnel and training offering, MMH can offer direct access to its own multi-skilled workforce. Our Lean Crew Model supplies you with who you want, when you want them and only for as long as you need them. This flexibility reduces your personnel overheads and the non-productive time associated with your project.

### Lean Crew Model (Just-in-time crew)

- Hub-trained regional pool of broad-skilled crew
- Optimised client flexibility and efficiency with significantly reduced overhead
- Task-led, competence-based crew provision and allocation
- Rapid project-based mobilisation and demobilisation, minimising employee numbers and non-productive time



## Crew Logistics

Effective logistics are an important component of cost-efficiency and MMH offers the complete crew logistics package. MMH aims to assume the burden of handling the minutiae of crew management on your behalf, leaving you with the time and space to focus on larger operational matters.

- Crew Scheduling support
- Crew Rotations & crew change planning
- Logistics management, including travel and accommodation
- Transportation co-ordination, including 'meet and greets'
- Training, safety inductions and personnel evaluations
- Medical and professional compliance checks
- Payroll
- Visa, residence and work permit administration
- Emergency Response (24 x 7)
- Multi-party co-ordination for rig changes and related activities
- Complete international strategic crew logistics planning and support

The MMH Academy offers a range of high quality instruction across the spectrum of industry disciplines, from Well Control and HSE, to Marine Licencing and Maintenance. From the custom-designed teaching facilities to the credentials of the instructors, our cost-effective and consistent quality training delivers a competent workforce, enhancing clients' operational reputation and commercial bottom line.

# MMH ACADEMY

## Facilities

The Academy provides state of the art facilities, designed to provide a more effective learning and testing environment for students, by using technology and allowing for hands-on training.

- Certified classrooms for Well Control and general instruction
- Simulator centre equipped for drilling and crane training
- Maintenance workshop equipped with extensive electric, electronics and hydraulics training benches
- Workshop and yard facilities for basic safety training
- Ancillary facilities, including a canteen also serving Halal food, a Multi Faith Room and offices for client's instructors and staff

The Academy also offers 'White Label' access where organisations can make use of any or all of the facilities, and our expertise, on an exclusive basis, to provide their own bespoke in-house training in a safe and secure environment.



*Our instructors are hand-picked to provide the best educational experience for our students. Some are in-house and accredited to teach specific courses, others are brought in, as required, to cover our specialist offerings.*



## Courses

We are constantly expanding the range of training we offer and the scope of our accreditations. Our current slate includes:

- IWCF Well Control (level 2 to 4)
- IADC Well Sharp (Introductory, Driller and Supervisor)
- Drilling Simulation and Practices
- IADC Gateway
- CompEx (EXF, EX12, EX14, EX01-EX04)
- Marine Licencing (for Ballast Control Operator, Barge Supervisor and Offshore Installation Manager)
- Industry Maintenance
- HSE courses
- Bespoke courses

Although Malta-based, MMH is not Malta-confined. MMH can support your operations anywhere in the Mediterranean and North African region through its extensive networks, delivering the same high levels of service and support you would enjoy in our home base.

- Project management and project co-ordination on behalf of the client to facilitate and reduce client workforce on ground
- Set-up of accommodation and offices for clients
- Liaison with local authorities, especially port authorities, to ensure smooth running of clients' operations
- Logistical support, including import and export, customs clearance vessel chartering
- Management of yard logistics including co-ordination of projects, handling equipment, provision of yard personnel, management of client storage
- Procurement of goods and services
- Waste handling
- Bunkering
- Crew provision (subject to local content requirements)
- Crew management and logistics, including airport transfers, visas and immigration formalities, accommodation, transportation and flight chartering
- Offshore Engineering works, including drill pipe inspection, calibration of instrumentation, spooling operations, general assistance on UWILD projects, and hire of tubulars and other downhole equipment

### Managing risk

Malta offers high quality civic infrastructure, robust legal and financial framework, and a supportive and enabling government. It also has excellent international transport links and a highly skilled, English speaking workforce with a long and proud marine history.

By using Malta as your regional centre of excellence, you can be sure of high quality service support whilst, at the same time, reducing your operational footprint in areas of greater in-country risk.

### Offshore Egypt

We provided all yard logistics, as well as small maintenance works and managed the local purchasing of goods and services. We also coordinated crew changes and provided personnel and logistical support during the wet-tow from Las Palmas to Egypt.



### OUR REACH



### Offshore Canary Islands

We provided logistical coordination with the local authorities, supplied crew change boats together with supply boats, managed crew change and personnel logistical support, and coordinated with local sub-contractors for procurement, repairs and maintenance purposes.

MMH is committed to achieving the highest standards of technical support and safe operation. Consequently, MMH is also committed to achieving and sustaining the highest recognised international standards for the services and support it provides.

MMH believes that, by making a commitment to continuous improvement and by subjecting its operations to a rigorous and consistent programme of monitoring and auditing, MMH can deliver a service aligned with the qualitative, safe and environmentally-conscious expectations of all its clients.

MMH recognises the importance to its clients of complying with internationally recognised standards, and will continue to place that compliance at the heart of its operations.

MMH is accredited to the ISO 9001:2008 Quality Management System and OHSAS 18001:2007 Occupational Health & Safety Management System. Our commitment towards QHSE is assured by the continuous monitoring and improvement of our regularly DNV audited and certified management systems.

Accreditations:



Members of:



Health & Safety Policy

*“At MMH we value safety.*

*The way we behave, act, work, lead and assess our operations is a demonstration of our commitment towards the prevention of injury and ill health, creating a healthy and safe working environment for our personnel and all those who may be affected by our work.*

*We believe that this is not only our moral and legal obligation, but our core value and a solid foundation towards creating a productive workforce that will consolidate our position at the forefront of the industry.*

*Our goals will be achieved by providing the framework for setting, reviewing and implementing continuous improvement to the Health & Safety Management System, and investment not only in our infrastructure and assets, but more importantly in our personnel with ongoing training to meet and excel in industry Health & Safety standards.”*

**Mediterranean  
Maritime Hub**

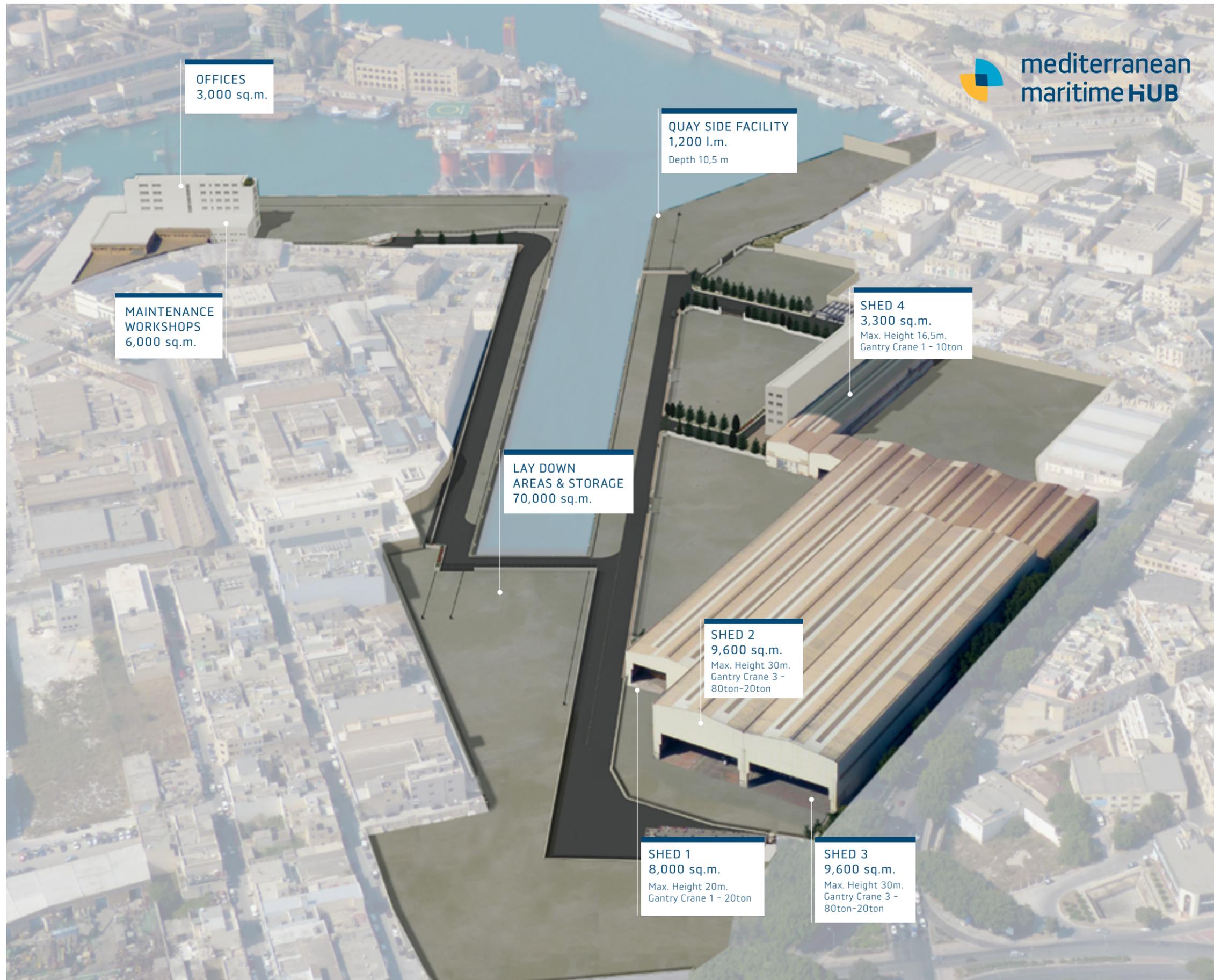
The Mediterranean region is one of the most exciting new areas for oil and gas development anywhere in the world. The Mediterranean Maritime Hub has been established in Malta to support oil and gas development in the region, onshore and offshore, as well as the marine sector.

The Hub offers physical facilities in a single and secure location, together with new ways of collaborative working which deliver measurable cost-reductions and higher operational efficiency.

The Hub will be home to multiple organisations with multiple service offerings which will all subscribe to the concept of the cost-effective, high efficiency working model. Together they will deliver the holistic supply chain solution needed for a cost-effective, high efficiency industry.

**The Hub services at a glance:**

- Regional operations & offshore support base
- Major project mobilisation & demobilisation
- Fabrication, upgrades & modifications
- Inspection, maintenance & repair
- Full supply chain provision & management
- Logistics & port services
- Training Academy
- Crew provision & personnel logistics



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## COMPANY DETAILS

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