



PHOENIX 
MARINE

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Phoenix Marine has been supplying the world's leading yacht builders with the finest hydraulic systems and bespoke mechanical mechanisms since 1981.

"Our company goal is to develop innovative and highly engineered products that exceed our customers' expectations. We strive to design and manufacture unique systems with an inherent engineering pedigree to meet the most demanding applications imaginable in transoceanic blue water cruising, from the tropics to the poles."

ELIZABETH NOLES, DIRECTOR

With more than four decades' worth of expertise, our engineers design and create bespoke solutions for any marine hydraulic application.

From opening a garage or beach club door, lifting a 2,500kg tender, or undertaking refit and refurbishment projects for existing hydraulic systems, we can develop the best solution for you.

As a UK company, all our products are designed and built in our Peterborough manufacturing facilities, with attention paid to every detail.

Phoenix is a member of the British Marine Federation and Superyacht UK, with all our products backed up with a global warranty and our highly regarded aftersales service.



OYSTER

"Oyster Yachts has had a supply relationship with Phoenix for many years. However, more recently, we have been increasingly turning to Phoenix to supply high quality solutions for our Hydraulic Cylinder requirements and systems for Bathing Platform Doors. The relationship has now further developed, so that we have a custom Passerelle being manufactured by Phoenix for our new 118 flagship.

Phoenix has been a good supply partner for us, supplying engineering solutions, high quality equipment and responding well when refinements are required."

ANDREW MARTIN,
PRODUCT DEVELOPMENT MANAGER



"Sunseeker International and Phoenix have worked closely over the last few years, developing outstanding hydraulic and mechanical solutions, culminating in Phoenix being awarded Supplier of the Year for Technical Innovation. This relationship developed further with Phoenix being appointed the Supplier of Auxiliary Hydraulic Systems across our range from 48 to 155 foot."

ANDREW MACDONALD,
DIRECTOR OF PROCUREMENT

Quintessence
YACHTS

"Quintessence Yachts approached Phoenix Marine to specify and develop the Hydraulic Systems for the stunning AM37. We worked closely with Phoenix's design engineers and management team to ensure the systems on board are the most innovative, robust and reliable for the demanding operational environment of our high-performance powerboat."

STEFAN WHITMARSH,
HEAD OF OPERATIONS

BATHING PLATFORMS



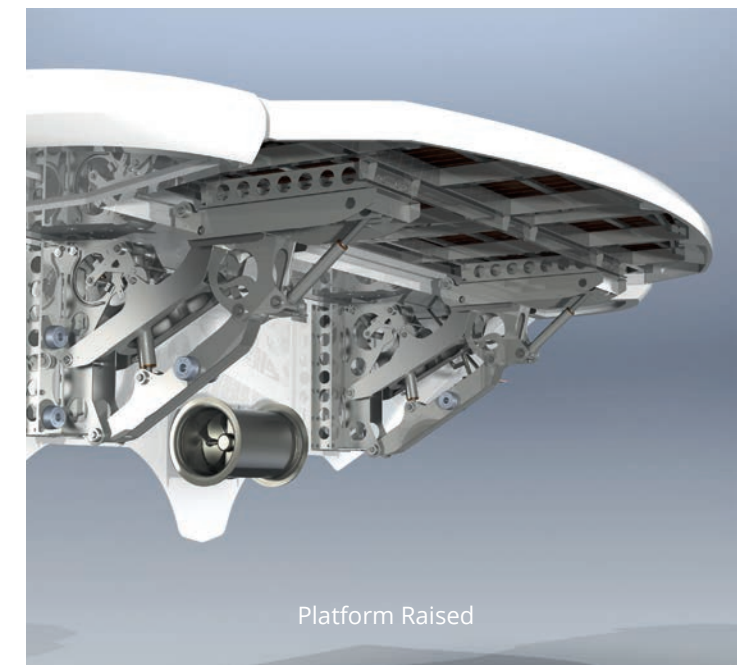
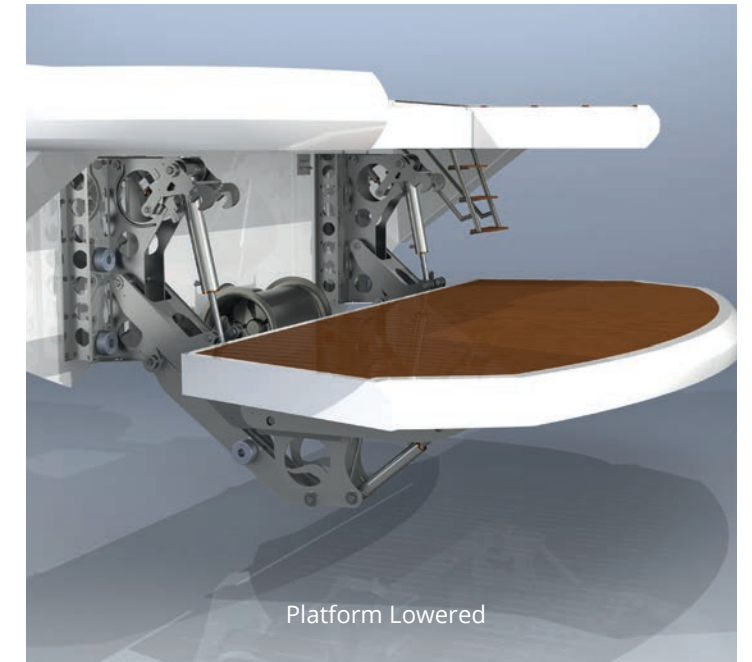
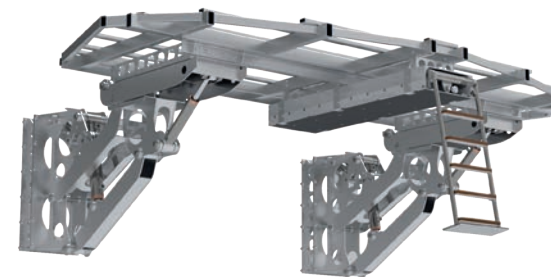
Image courtesy of Sunseeker International

Phoenix Marine has developed a range of Hydraulic Tender Lift systems and Submerging Bathing Platforms for yachts ranging from 40' to 155'.

Our systems are capable of lifting weights of 400kg to 2,500kg, with a considerable safety factor built in. The systems are manufactured in 316 stainless steel or 6082-T6 aluminium, and our specialised finishing process provides an exceptional level of corrosion resistance.

A range of functions can be integrated to include lifting, lowering and locking.

These Bathing Platform systems can be designed to work with a hydraulic swim ladder if desired. Our superior design means your systems will run smoothly, evenly and reliably — and Phoenix Marine's worldwide warranty comes with all our products.



SINGLE CENTRAL ARM TENDER LIFT



Image courtesy of Fairline Yachts

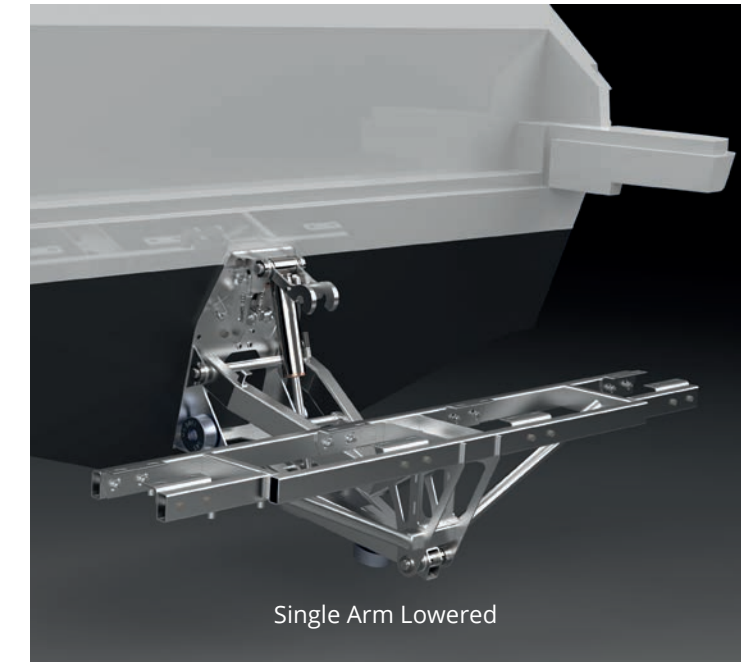
For smaller applications, we have developed a Single Central Arm Tender Lift. The model offers a more compact lifting solution and can be mounted centrally for smaller transoms or dual prop boats, where twin arm systems are not always suitable.

Weighing in at just 195kg, this lightweight model is manufactured in 316 stainless steel and lifts up to 400kg.

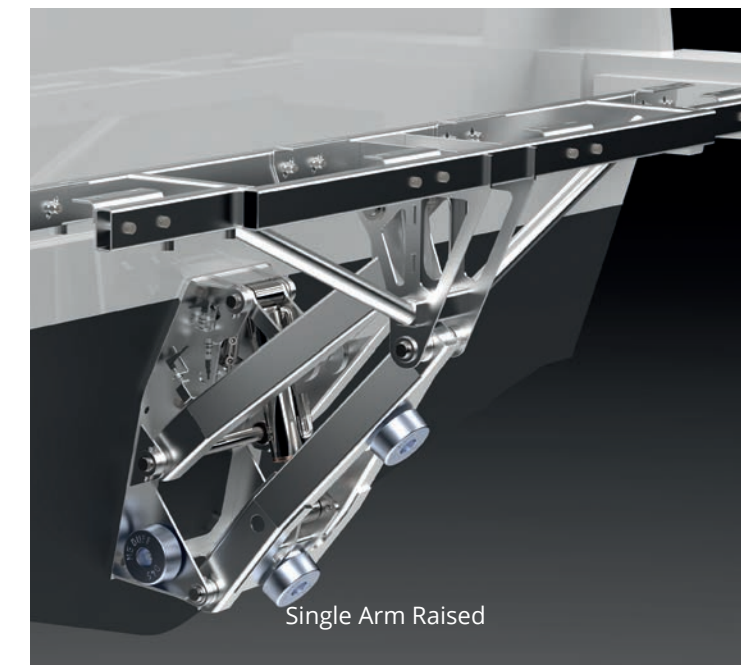
As with our Bathing Platforms, these systems benefit from our specialised finishing process to ensure maximum corrosion protection.

The complete system includes Phoenix's premium hydraulic power pack and electric control panel, both of which are designed and created in-house at our UK production facilities.

All systems are accompanied by Phoenix Marine's worldwide warranty.



Single Arm Lowered



Single Arm Raised

LINEAR TENDER LIFT



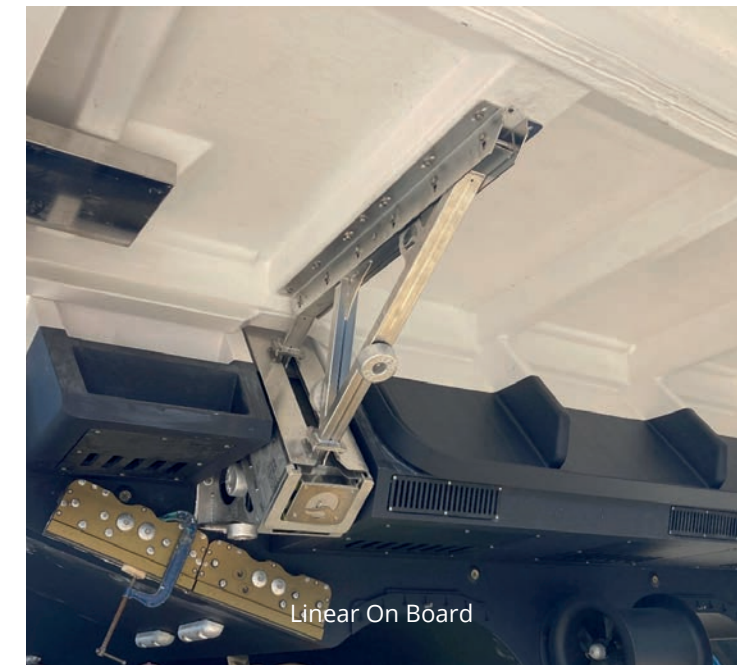
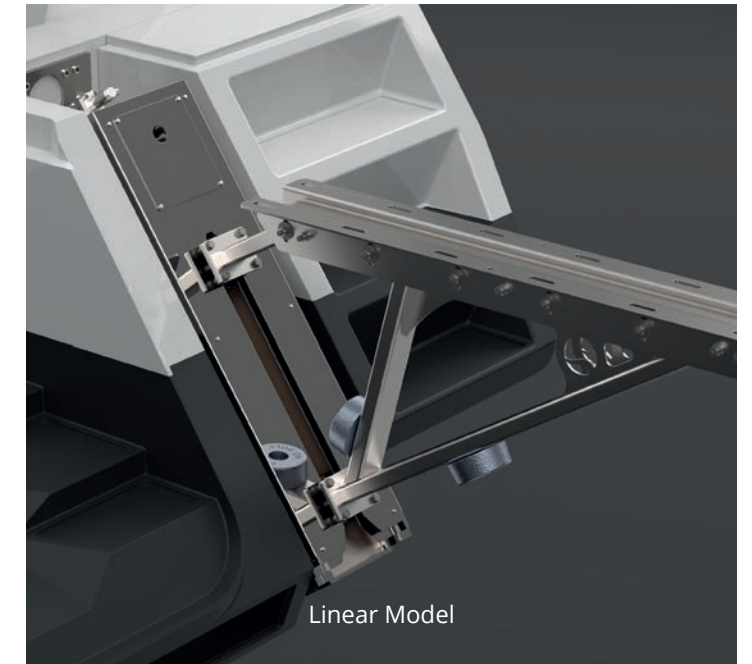
Our innovative Linear Tender Lift system offers an alternative for yacht builders and owners looking to move away from the traditional pantographic mechanism.

The attractive model can lift up to 2,500 kg and is manufactured in 316 stainless steel.

The mechanism glides down from the retracted position along a straight path rather than tracing an arc. This allows the platform to remain flush with the transom for the duration of travel — allowing for more flexibility with style.

We've designed this unique system to be mounted with the ability to extend at a range of angles (from 0 to 35 degrees). The mechanism can be installed in one of two ways; on a vertical transom, with the addition of an adaptor frame, or directly onto a transom sloped at the angle of travel intended. The latter allows for a low and unobtrusive profile.

Phoenix Marine's worldwide warranty accompanies all our products, which are 100% designed and manufactured in-house at our UK facilities.



BALCONIES



Image courtesy of Sunseeker International

Phoenix Marine has extensive experience designing and manufacturing bespoke Folding Balcony systems for yachts from 92ft to 155ft.

The Folding Balcony system offers a unique experience to owners and guests, providing an opportunity for those on board to enjoy meals and drinks poised above the open water.

Our bespoke balconies are designed using 316 stainless steel, 6082-T6 aluminium and F51 Duplex, not only providing an attractive addition to your yacht — but a long and trouble-free service.

Years of experience in the sector means we've perfected our designs to ensure robust, reliable and smooth action, as well as being easy to operate.

All systems are accompanied by Phoenix Marine's worldwide warranty.



Balcony Extended



Balcony Retracted

BEACH CLUB DOORS



Image courtesy of Sunseeker International

Phoenix Marine designs and manufactures bespoke Beach Club door systems.

From concept to commissioning, our expert marine engineering team will work with you to design a solution specifically tailored to your yacht's Beach Club door arrangement. The advantage of choosing a team with more than three decades worth of hydraulic expertise is knowing our systems are foolproof. Expect systems that are unobtrusive, reliable and operate smoothly.

We can design the system around our unique Hydraulic Hinges, Cylinders or Rotary Actuators. All systems are stainless steel and can be polished or painted as per your requirements. No matter how big or small, from a new-build yacht to a retrofit system, we have a solution that will work for you.



Hydraulic Hinge



Hydraulic Hinge Boxing

STAINLESS STEEL CYLINDERS



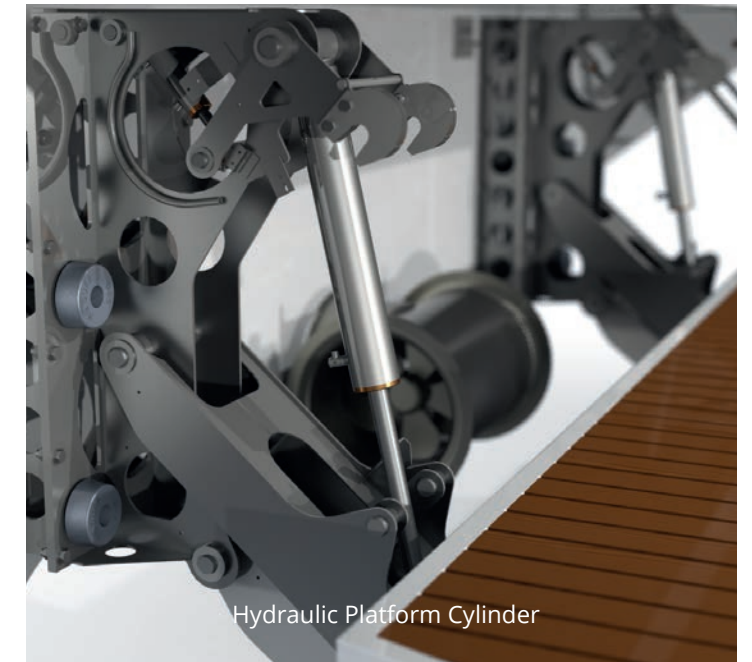
Image courtesy of Sunseeker International

Phoenix Marine's standard range of cylinders can be delivered to you in as little as seven days.

Our state-of-the-art stainless steel Hydraulic Cylinders are designed and manufactured to the highest quality. They're suitable for a range of marine applications with bore sizes from 25mm to 100mm. Our units have been proven to meet the highest standards of performance and durability.

The full in-house CNC machine shop at our UK facility means we can meet your specific requirements and exceed expectations in terms of quality and turnaround. Bespoke cylinders are made to order; overall sizes, mountings, and materials can be designed and manufactured to suit your specific requirements. There is also our full range of standard stainless steel Hydraulic Cylinders available on a seven-day lead time

Applications we have provided Hydraulic Cylinders for include Lifting Keel Systems, Door Locking, Door Opening, Shoot Bolt Cylinders, Bathing Platform Systems, Folding Balconies, Beach Doors, Davits, Cranes and Garage Doors. All our cylinders are fully tested onsite and certified prior to shipment.



Hydraulic Platform Cylinder



Set of Stainless Steel Cylinders

GARAGE DOORS



Image courtesy of Sunseeker International

Phoenix Marine offers a bespoke Hydraulic Pivot Hinge mechanism manufactured from stainless steel.

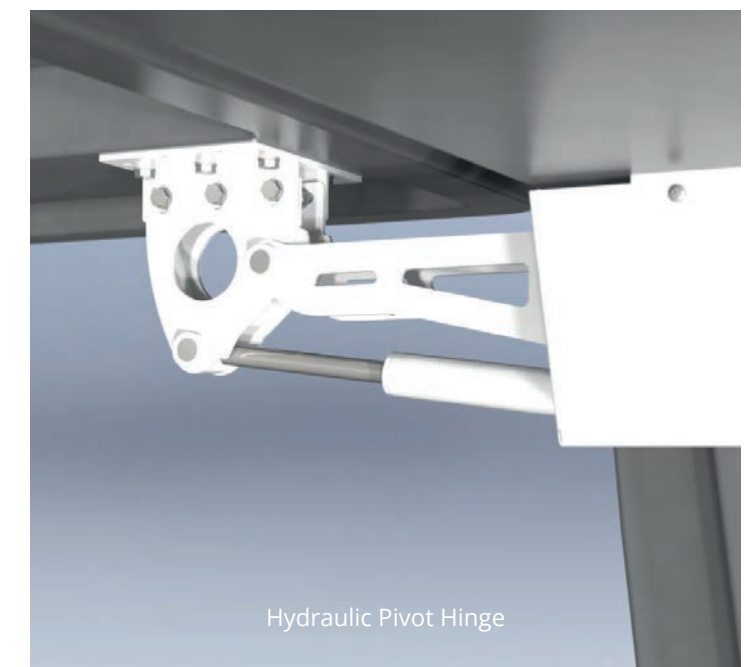
These highly efficient units are custom made to meet your individual requirements. The mechanisms provide a precise and reliable opening for Garage Doors, Hatches, Engine Covers and Platforms. The solution eliminates the need for External Hinges and give clear access without the need for struts or cylinders. We also design and manufacture complete door solutions to include Locking Cylinders, a pneumatic seal and full electronic control of the system.

When more complex movement is required, we can manufacture 2/3 stage mechanisms. These are made from stainless steel and use maintenance-free bearings. These tailor-made actuators can meet complex movement requirements on Garage Doors, Platforms and Gangways — where controlled repeated movement on more than one axis is required.

These products have been supplied to major superyacht manufacturers, including Sunseeker and Fairline.



Garage Door



Hydraulic Pivot Hinge

TRIM TABS



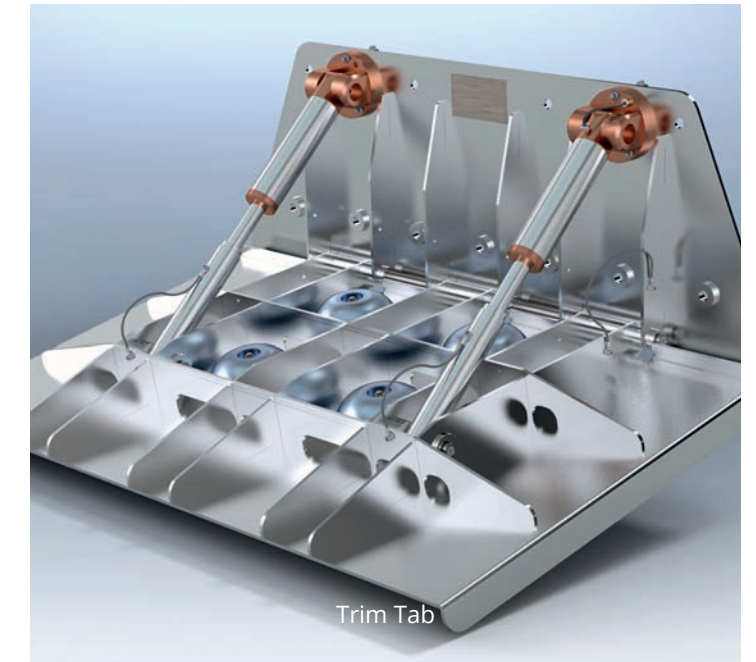
Image courtesy of Sunseeker International

A large range of flexible and effective Phoenix Marine Trim Tab products are available.

We can supply the required cylinders for the system or an entire solution. For boats with a speed lower than 40 knots we manufacture using stainless steel, and for faster boats we use aluminium.

Trim Tabs are integral to a balanced boat that can be kept fully under control when faced with the elements out at sea. Our proven systems also aid with weight distribution on board, which can vary greatly as well, allowing those on board to enjoy the pleasure of boating in freedom and safety.

More information on our Hydraulic Cylinders can be found on page 15.



Trim Tab



Trim Tab Cylinder

PASSERELLE



Image Courtesy of Quintessence Yachts

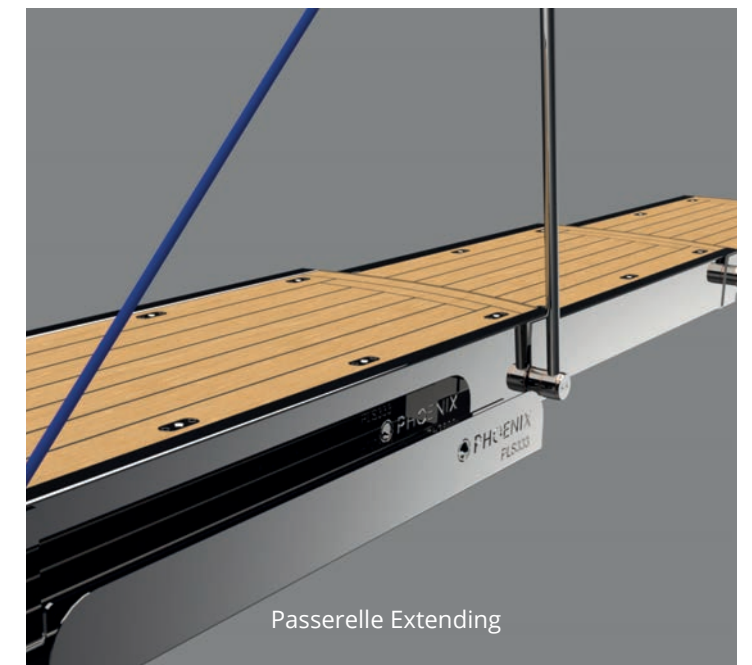
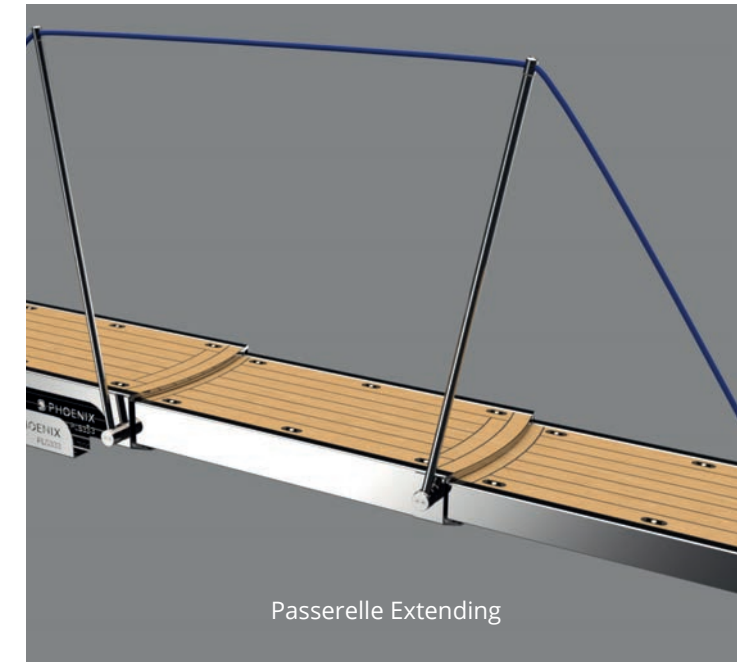
Reliable cylinder-driven Passerelle, with remote monitoring.

Our range of Passerelles have been developed for today's incredibly demanding operations, where reliability is the most important factor. Phoenix Marine's models are entirely cylinder-driven and are wholly designed and manufactured in the UK, using the best of British engineering.

The range is the result of a comprehensive process of research, development and testing to engineer out all the typical issues that have historically been associated with such features. Our robust product has been designed with very few moving parts to ensure boat builders and owners receive a long and trouble-free service life, whilst maintaining the highest quality and superyacht finish.

Phoenix Marine's in-house testing allows us to offer an unprecedented warranty package in the unlikely event that a client's operation is hindered in any way. There is also a team at our UK facilities who will remotely monitor and optimise your Passerelle during operation.

As always, our products come with a full guarantee with our highly reputable aftersales service included.



BESPOKE SYSTEMS



Image Courtesy of Oyster

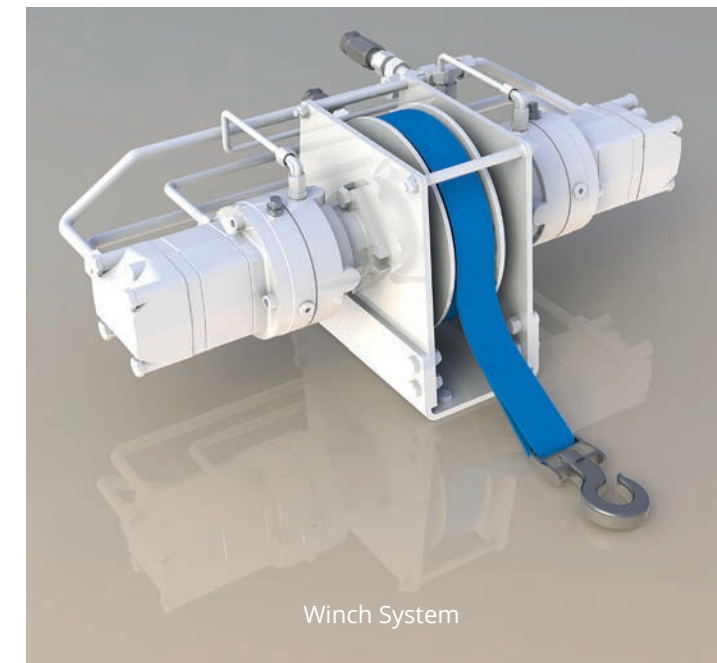
We work directly with shipyards
and naval architects to design
complete boat solutions.

Our in-house capabilities include:

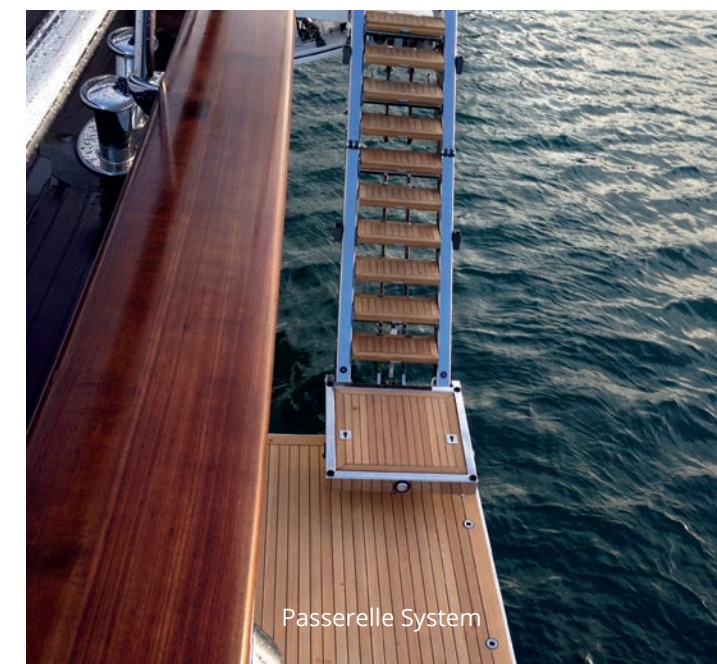
- 3D design
- Waterjet cutting
- Shot blasting
- Fabrication
- Power pack design and build
- Electronic control design and build
- Full machining centre
- Assembly, test, installation and commissioning

"We had a Phoenix Marine Bathing Platform retrofit to our 40m yacht. I have been very impressed with the quality and design. The Phoenix engineers who worked with us on installation and commissioning were outstanding. Our boat is used heavily with above average use of the tender launch system, up to ten times per day. Phoenix are always at the end of the phone to answer questions and their service is second to none!"

James Marshall, Chief Engineer, MY Chiqui



Winch System



Passerelle System

CONVERTIBLE BOARDING STAIRS



Our convertible boarding stairs feature a new type of Passerelle which converts to a staircase for boarding and alighting from your yacht.

The Hydraulic System uses multiple sensors to detect and allow the tilt and retraction of the staircase, enabling easy boarding. The staircase framework is made from 316 stainless steel and has an aluminium letterbox, protecting the staircase from corrosion and keeping the overall product as light as possible whilst still capable of holding a load weighing up to 130kg.

All movement is actuated by Phoenix Marine's Hydraulic Cylinders. No pulleys or belts are used; all external cylinders are comprised of 316 stainless steel. The staircase framework and guards have a mirror polish finish, and the stairs are made from teak to add to the aesthetic value.

Integrated Bathing Platform Stairs

An innovative staircase that automatically extends for use when the bathing platform is lowered, and folding flat when the platform is returned to the upper resting position. The staircase is designed and constructed to work in unison with the platform, resulting in a smooth transition when extending and retracting. The step framework is made from mirror polished 316 stainless steel and finished with teak steps, blending in with the platform. For optimum safety, an automatic handrail works in conjunction with the steps — removing the requirement for drop in stanchions.



MANUFACTURING FACILITIES



Image courtesy of Sunseeker International

With in-house design, fabrication and testing facilities, we produce bespoke mechanical and hydraulic systems for a wide variety of shipbuilders and refit yards.

From one-off designs to high volume batch produced systems, Phoenix Marine has the capability to produce a hydraulic solution for any application on your yacht.

Our engineering department boasts more than three decades worth of experience and is happy to advise on your required system. We use 2D and 3D modelling and analysis software to provide clear and precise information throughout the design process.

All machining, fabrication, assembly and test work is carried out in our 20,000 square foot facility. We design and build our own electronic control systems to control our mechanical and hydraulic solutions, and our engineers are happy to provide on-site support for installation and commissioning anywhere in the world. We are the genuine 'one stop' option for your complete project.



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