





Image courtesy of Sunseeker International

“Sunseeker International Ltd 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. In 2014 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



Approved Supplier



Emergency Tender Garage
PG / 15



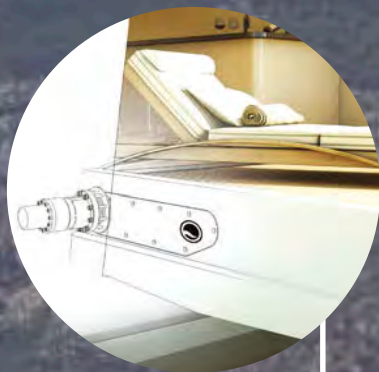
Balconies
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Image courtesy of Sunseeker International

Passerelle
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Beach Club Door System
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COMPLETE HYDRAULIC SOLUTIONS

From Concept to Commissioning,
Complete Boat Systems

 **PHOENIX**
MARINE SOLUTIONS



Image courtesy of Sunseeker International



BATHING PLATFORMS

We have developed a range
of Hydraulic Tender Lift systems
and Submerging Bathing Platforms
for 40' to 155' Yachts.

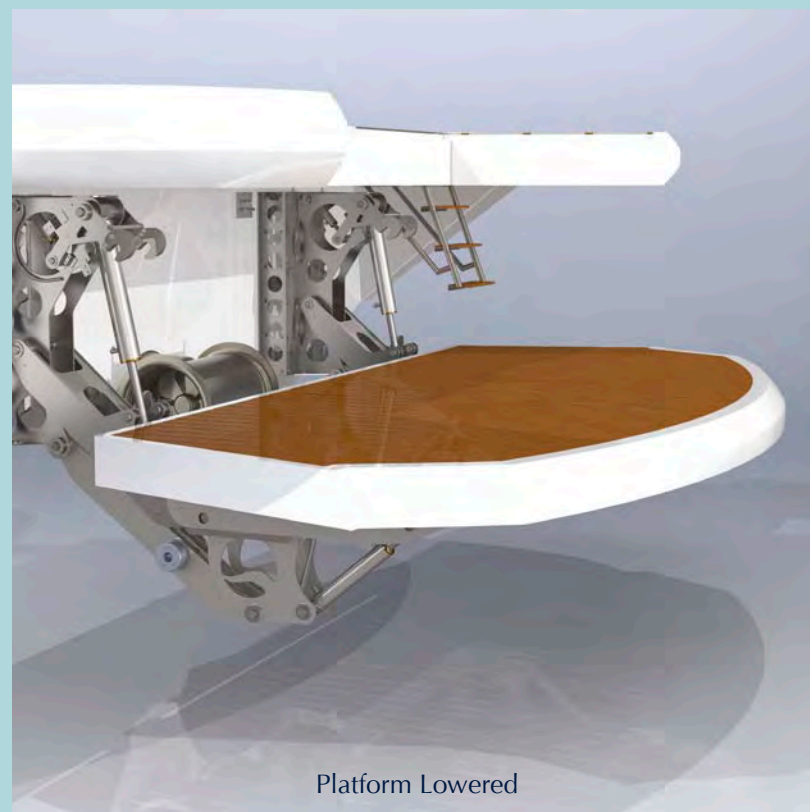
 **PHOENIX**
MARINE SOLUTIONS

BATHING PLATFORMS

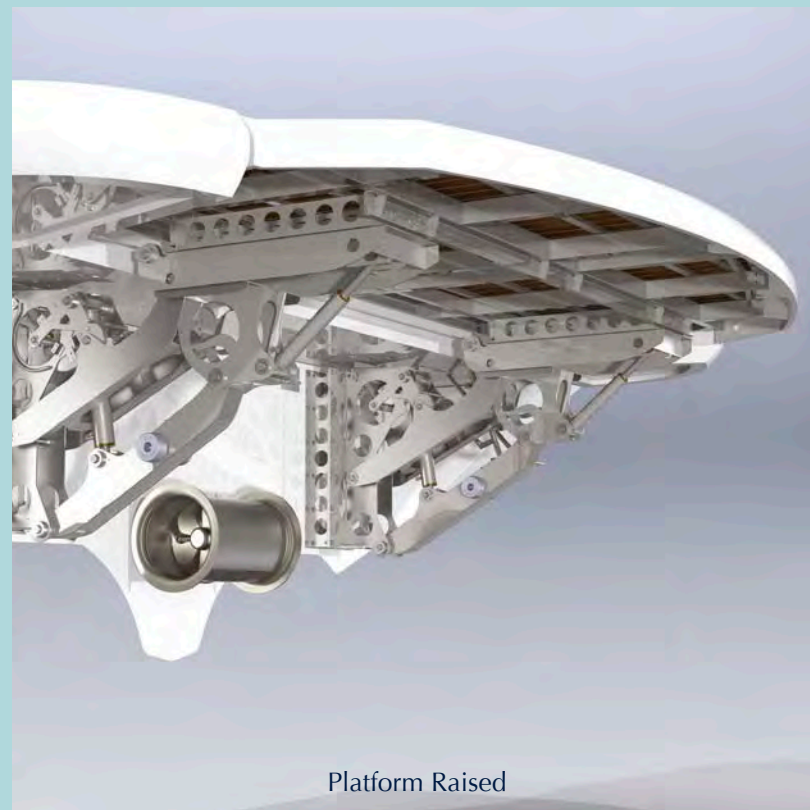
A range of functions can be integrated to include lifting, lowering, tilting and locking.

We have developed a range of Hydraulic Tender Lift systems and Submerging Bathing Platforms for 40' to 155' Yachts. Our systems range from 400kg lift to 2,500kg including a considerable safety factor built in. The systems are manufactured in Stainless Steel 316 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. Our systems run smoothly, evenly and reliably.

These bathing platform systems can be integrated into a comprehensive package of garage door opening mechanism, tender winch and bathing platform all operated using a single hydraulic power pack and electrical panel.



Platform Lowered



Platform Raised

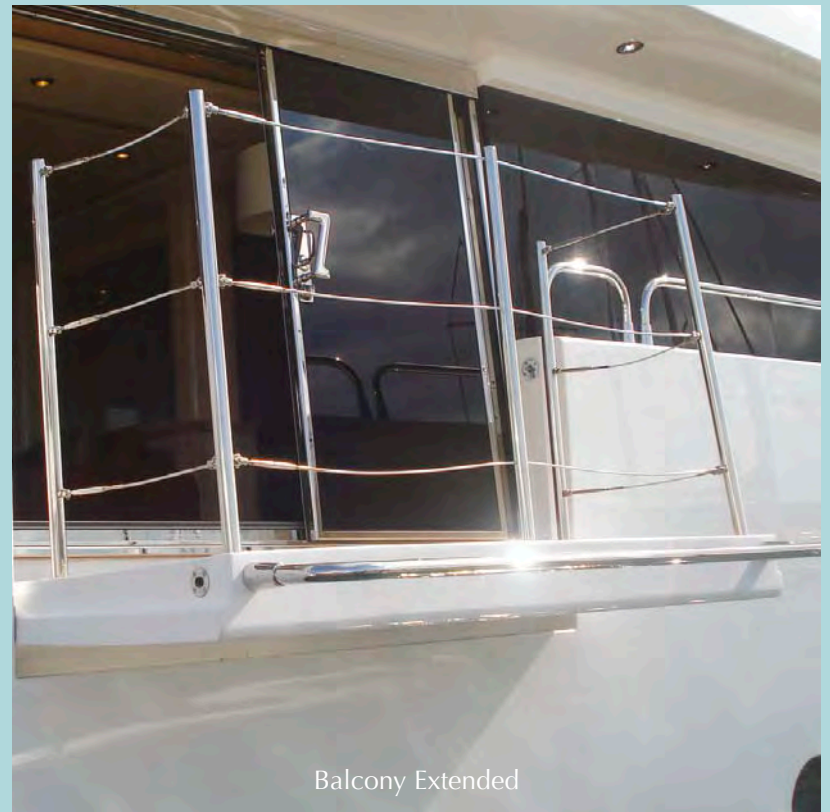


BALCONIES

Phoenix Marine Solutions have designed and manufactured bespoke Folding Balcony systems for yachts from 28m up to 47m.

These balconies are an excellent addition to any yacht design as they enable owners and guests to enjoy the unique experience of being poised above the open water. They provide a great location for a breakfast or an evening drink.

Our Balconies are robust, reliable and attractive with smooth, easy to operate action. They are bespoke designed using Stainless Steel 316, 6082-T6 Aluminium & F51 Duplex for a long and trouble free service life.



Balcony Extended



Balcony Retracted





BEACH CLUB DOORS

Phoenix Marine Solutions design
and manufacture bespoke Beach
Club door systems.

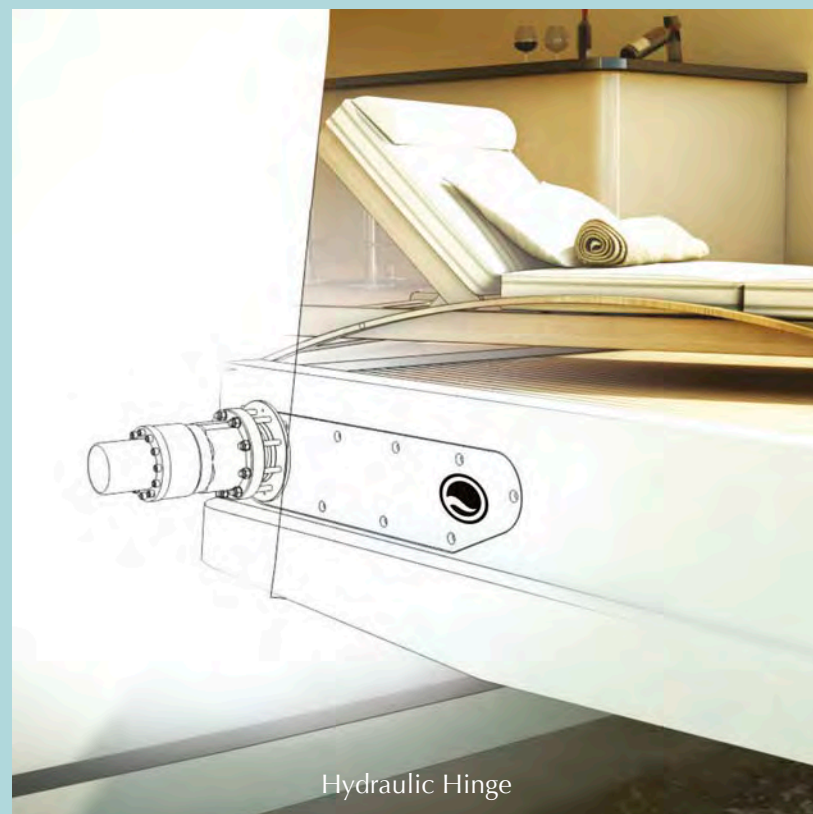
 **PHOENIX**
MARINE SOLUTIONS

BEACH CLUB DOORS

Phoenix Marine Solutions design and manufacture bespoke Beach Club Door systems.

Phoenix Marine Solutions design and manufacture bespoke Beach Club door systems. Utilise our expert Marine Engineering Design team to work with you to design bespoke solutions for your Yacht's Beach Club door arrangement. Our systems are unobtrusive and operate smoothly using our 31 years of hydraulic expertise, 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 requirement. No matter how big or small we have a solution that will work for you. Whether it is a new build yacht or a retrofit system we will work with you on the project from concept to commissioning. Phoenix utilise the latest in 3D modelling, design and structural analysis software.



Hydraulic Hinge



Hydraulic Hinge Boxing



STAINLESS STEEL CYLINDERS

Our systems run smoothly,
evenly and reliably

Our state of the art Stainless Steel Hydraulic Cylinders are designed and manufactured to the highest quality for many Marine applications with bore sizes from 25mm to 100mm. These units offer the highest standards of performance and durability. We have recently improved our machining capabilities with the purchase of new CNC machines to enhance our in-house ability to meet your requirements in terms of faultless quality and fast turnaround.

As all of our Hydraulic Cylinders are made to order, overall sizes, mountings, and materials can be designed and manufactured to suit your specific requirements.

Applications we have provided Hydraulic Cylinders for include door locking, door opening, Shoot Bolt Cylinders, Bathing Platform Systems, Folding Balconies, Beach Doors, Davits, Cranes and Garage Doors. All of our cylinders are fully tested on site and certified prior to shipment.

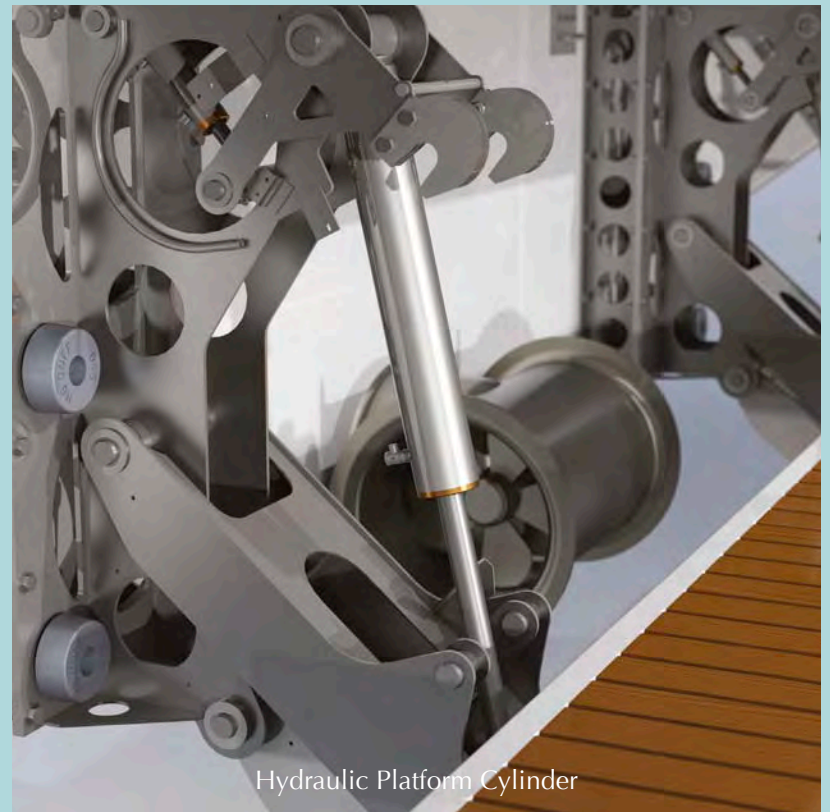




Image courtesy of Sunseeker International



GARAGE DOORS

Phoenix Marine Solutions offer a bespoke Hydraulic Pivot Hinge mechanism that is manufactured in Stainless steel.

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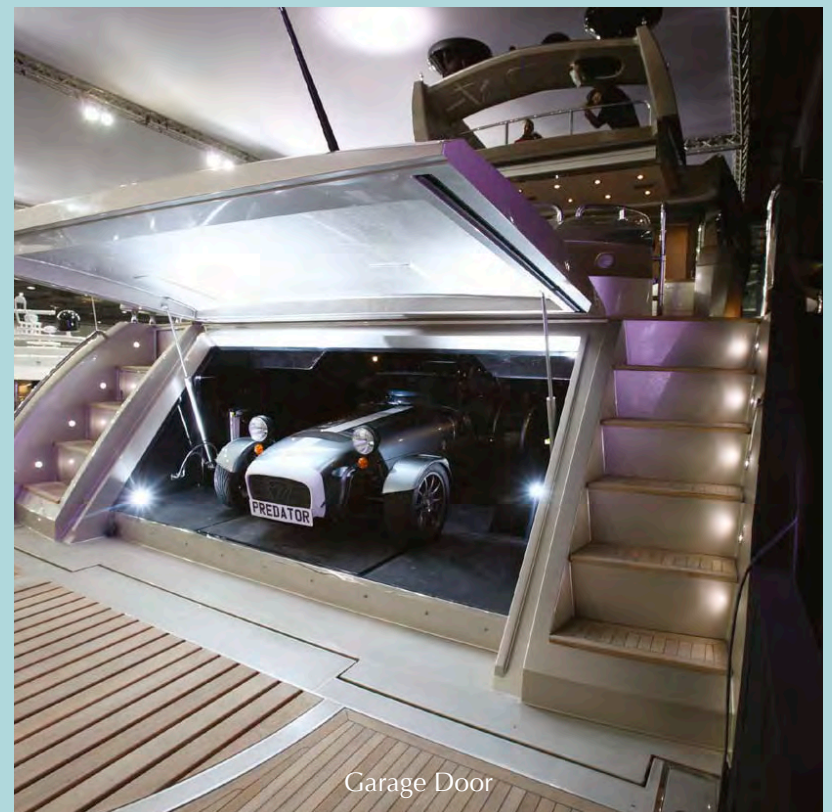
GARAGE DOORS

Phoenix Marine Solutions offer a bespoke Hydraulic Pivot Hinge mechanism that is manufactured in Stainless steel.

These highly efficient units are custom made to meet with your individual requirements. The mechanisms offer precise and reliable opening for Garage doors, Hatches, Engine covers and platforms eliminating the need for External Hinges and giving clear access without the need for struts or cylinders. Phoenix Marine can offer a complete door solution including Locking Cylinders, pneumatic seal and full electronic control of the system.

We also manufacture 2/3 stage mechanisms when more complex movement is required. These are in stainless steel & use maintenance free bearings. These custom made Actuators give solutions to complex movements on Garage doors, Platforms & Gangways where controlled repeatable movement on more than one Axis is required.

These products have been supplied to major Super Yacht manufacturers including Sunseeker and Fairline.



Garage Door



Hydraulic Pivot Hinge



Image courtesy of Sunseeker International

TRIM TABS

Phoenix Marine Solutions have a large number of flexible and effective solutions in our Trim Tabs product offering.

We can supply just the cylinders required for the system or the entire solution. We offer stainless steel solutions for boats with a speed lower than 40 knots and aluminium solutions for boats with a speed of over 40 knots.

For more information on our Hydraulic Cylinders, please see the stainless steel Hydraulic Cylinder page. Since the sea and wind conditions as well as the weight distribution on board can vary greatly, the Trim Tabs system is the correct solution to keep your boat balance fully under control to enjoy the pleasure of boating in freedom and safety.







PASSERELLE

We are now manufacturing a range of Hydraulic Passerelle suitable for boats from 40 to 130 Foot.

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PASSERELLE

We are now manufacturing a range of Hydraulic Passerelle suitable for boats from 40 to 130 Foot.

We have developed our new range of Passerelle for today's incredibly demanding operations where reliability is the most important factor.

This is an entirely new Passerelle solution wholly designed and manufactured in the United Kingdom using the best of British Engineering!

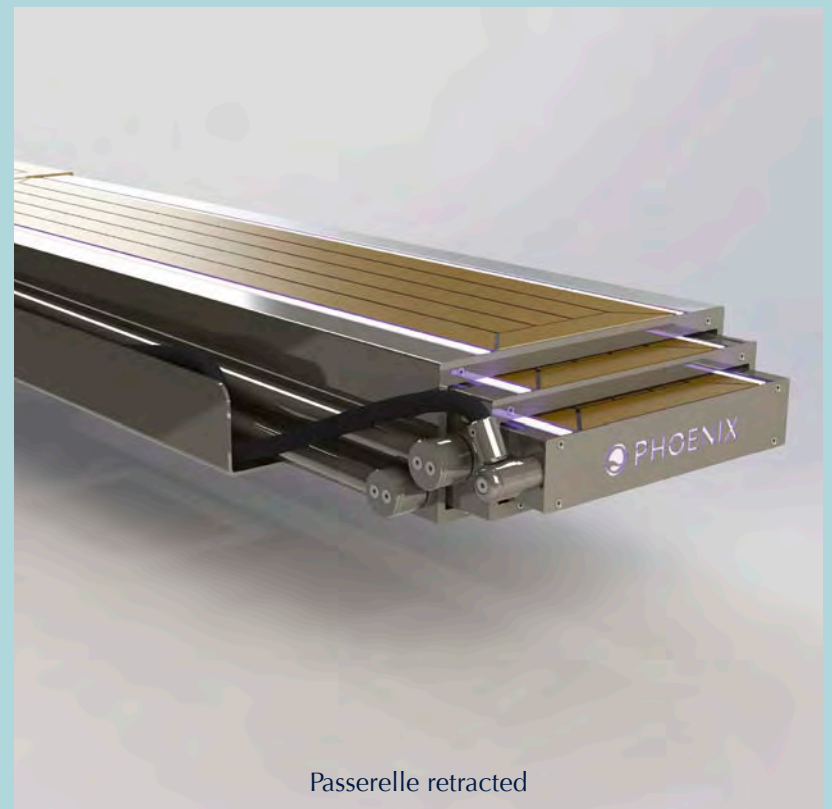
Phoenix have engaged in a comprehensive process of research, development and testing to engineer out all of the issues that existing products experience.

We have designed a robust product with very few moving parts to extend to our customers a long and trouble free service life whilst maintaining the highest quality and Superyacht finish. Our inhouse testing allows us to offer an unprecedented warranty package if in the unlikely event the clients operation is hindered in any way.

As always, our products come with a full guarantee and our highly reputable after sales service included.



Passerelle extending



Passerelle retracted



Image courtesy of Sunseeker International

BESPOKE SYSTEMS

We produce bespoke mechanically engineered products for any requirement on a yacht.

We will work directly with your Shipyard or Naval Architect to design a complete boat solution. Applications we have designed for our clients include; Passerelle, Tender Lifts, Folding Balconies, Beach Club Systems, Jacuzzi Covers, Trim Tabs, Garage Door Systems and more. We will then design the control and power systems to run all of the hydraulic applications on the vessel all with a worldwide warranty.

"We had a Phoenix Marine Solutions bathing platform retrofit to our 40m Yacht in April this year. 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 10 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



Image courtesy of Sunseeker International



MANUFACTURING FACILITIES

With in-house design, fabrication and test facilities we produce bespoke mechanical and Hydraulic Systems for a wide variety of Shipbuilders and Refit yards.

With in-house design, fabrication and test facilities we produce bespoke mechanical and hydraulic systems for a wide variety of Shipbuilders and Refit yards. We have the capability to produce one off systems as well as high volume batch produced systems for any application on your Yacht.

Our engineering department will advise on and design bespoke systems using 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 are happy to provide onsite support for installation and commissioning anywhere in the world. We are a genuine “one stop solution” for your complete project.



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