

A close-up, low-angle shot of a boat's hull and a large, treaded tire. The tire is partially submerged in shallow water on a beach, with waves crashing against it. The boat's hull is white and has the word "SEALEGS" embossed on it. The background shows a clear blue sky, a green cliffside with some buildings, and the ocean waves. The overall scene is bright and sunny.

MAKE YOUR  
BOAT **AMPHIBIOUS**

**SEALEGS**<sup>®</sup>

BE AMPHIBIOUS

TRANSFORM  
YOUR BOAT INTO  
AN AMPHIBIAN  
WE'VE MADE IT  
**EASY**

AMPHIBIOUS BY  

---

**SEALEGS®**





# MAKE YOUR BOAT AMPHIBIOUS

Sealegs have been making amphibious craft for more than a decade, helping people enjoy the benefits of amphibious boating the world over!

## Now it's your turn.

Sealegs have developed the Sealegs Amphibious Enablement System so that other boat builders can transform their boats with amphibious capability.

**Boat builders** join the amphibious revolution! Create a new product, new markets and new brand associations, taking your business to the next amphibious level.

**End Users** collaborate with the boat builder of your choice and get the customised amphibious boat that you want. Simply tell your chosen boat builder about the amphibious boat builder program.

## It's as easy as driving a Sealegs.

ARE YOU READY TO JOIN THE AMPHIBIOUS REVOLUTION?

# A REVOLUTION IN BOATING

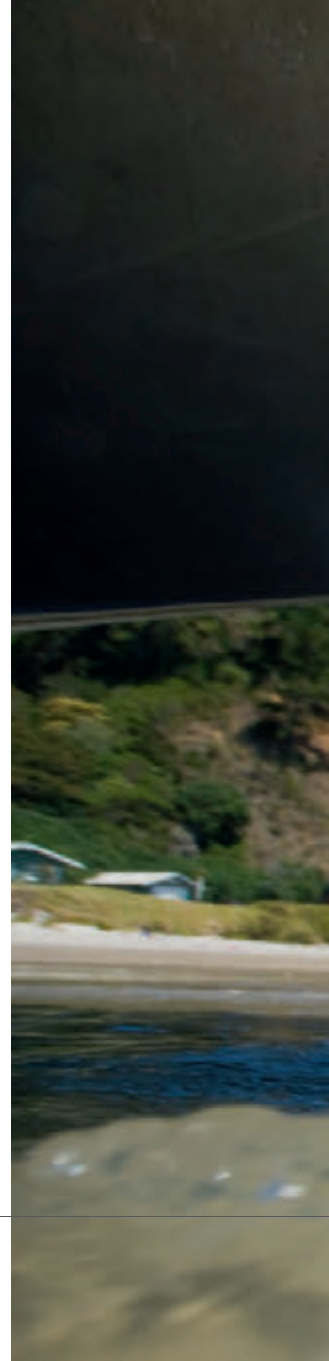
Amphibious technology is arguably the biggest advance in boating since the outboard motor was invented. Sealegs launched a range of craft in 2005 fitted with powerful motorised wheels, which are raised and lowered to drive a boat in and out of the water.

Launching a boat is safer, quicker and easier, and has made the trailer obsolete. Recreational boat owners can launch their boat single-handed, and report a fourfold increase in the time they spend on the water. Rescue and commercial operators can manage rougher weather and reach beaches previously only accessible by helicopter.

**50+**  
COUNTRIES



**1200+** CRAFT



# WORLD LEADERS

## In amphibious technology

Developed in Auckland, New Zealand, one of the marine capitals of the world, Sealegs is a pioneer in amphibious boating technology.

We produce both amphibious craft for the local market, and amphibious enablement kits for the world market. Our patented system has been exported to more than 50 countries for recreation, commercial, military, and rescue applications.

Tested in difficult locations and adverse weather conditions, the solution has proven its versatility, strength and power, and is set to revolutionise recreational, commercial and rescue boat launch around the world.

ARE YOU READY TO JOIN THE AMPHIBIOUS REVOLUTION?



## RECREATION



## RESCUE





US

# MILITARY



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# HOW IT WORKS

## Powerful motorised wheels

A simple concept enabled by clever technology, Sealegs uses powerful motorised wheels which run off an on-board powerpack.

Craft can be driven from a storage location, down a boat ramp or beach and into the water – all with the occupants remaining in the boat completely dry.

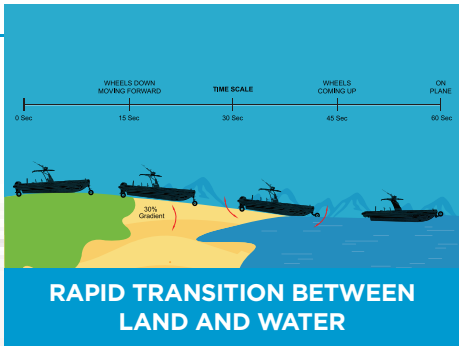
Once the craft is afloat, the wheels lift up out of the water to be stored against the hull, and the boat is used as normal. When approaching land, the wheels are lowered back into position, and touch the bottom to drive the boat up onto land. Occupants can disembark up the beach or back in the boat store.

**We can help your boat do this, too.**

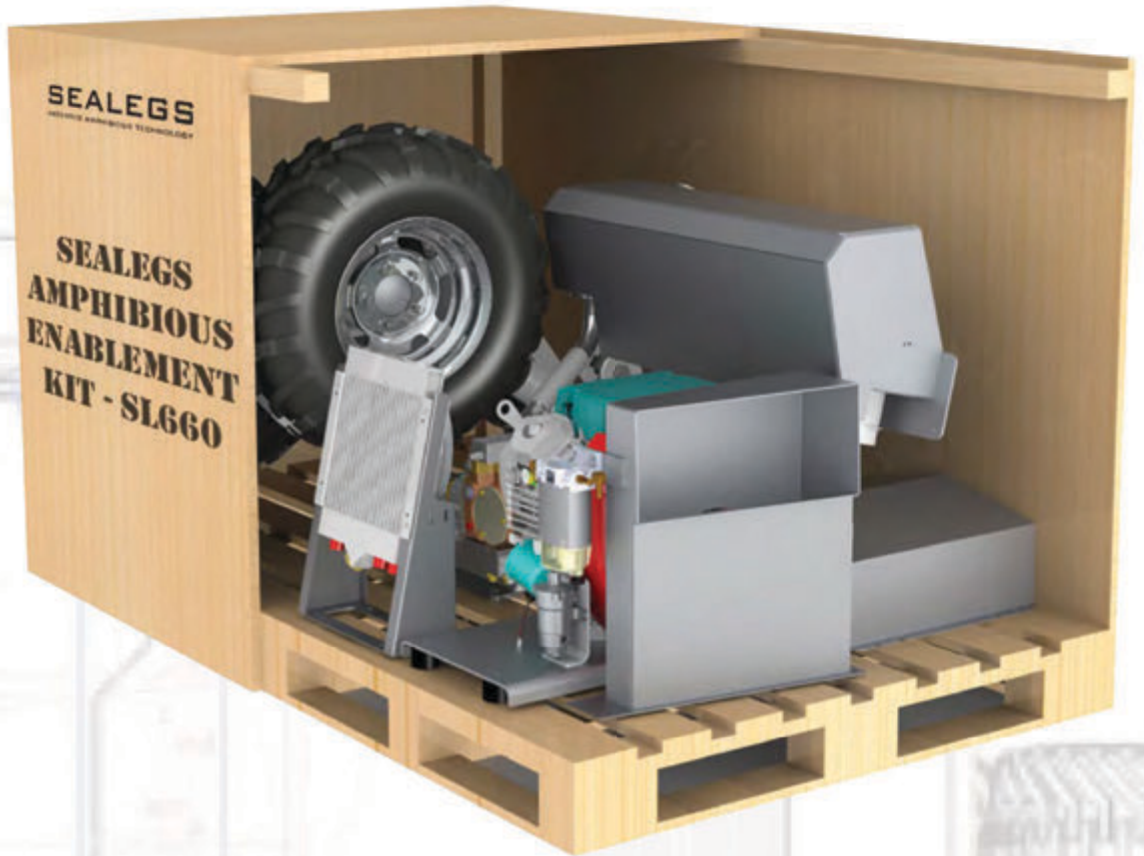
ARE YOU READY TO JOIN THE AMPHIBIOUS REVOLUTION?

# WE DECIPHERED THE AMPHIBIOUS **PUZZLE**





TOOK ALL THE BENEFITS



AND PACKAGED THEM IN A **BOX!**

ARE YOU READY TO JOIN THE AMPHIBIOUS REVOLUTION?

# NOW IT'S YOUR TURN

## Join the revolution

Partner with the world leader in amphibious technology to create your own range of Sealegs powered boats.

By offering amphibious enablement systems to the marine industry, the benefits of amphibious capability can be applied and delivered to the huge number of boat designs that exist for, specific purposes and demands.

## Fully integrated, turn-key package

By working closely with Sealegs International, you can now make any production boat amphibious.

We help you transform your craft with our fully integrated, turn-key AES package. Using the boat's own fuel source and drive system, the motorised wheels require some simple hull and electrical adaptations.

If you would like to know more, contact us on 0064 9 414 5542.





ARE YOU READY TO JOIN THE AMPHIBIOUS REVOLUTION?



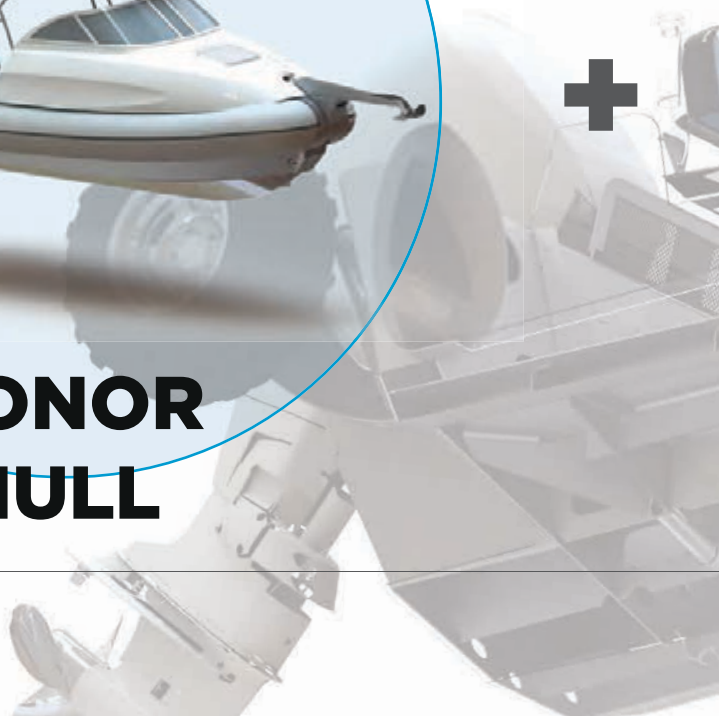
IT'S AS EASY AS...

1.

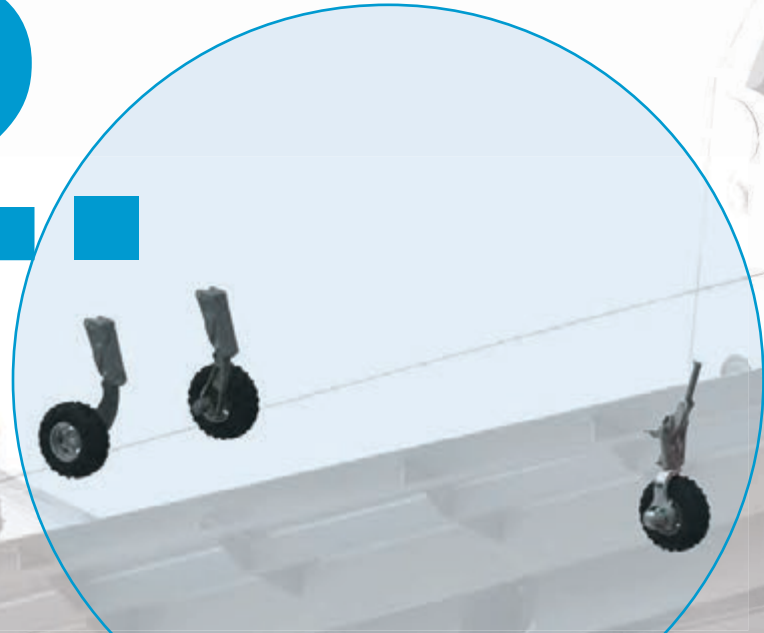


+

**DONOR  
HULL**



2.



**AMPHIBIOUS  
ENABLEMENT KIT**

3.



**NEW  
AMPHIBIOUS CRAFT**

ARE YOU READY TO JOIN THE AMPHIBIOUS REVOLUTION?



# 1

## DONOR HULL

The donor hull is the name given to a potential hull being fitted with a Sealegs Amphibious Enablement System. There are some specifications that need to be met, but we help you through all of those.

Sealegs steps you through the whole process and provides you with the all documentation, training and support you may need. It all starts with:

### ○ Technical specifications and drawings

The technical specifications give us an idea of how the AES will integrate with your boat, and how much modifications will be needed.

The drawings let us help you with design, ensuring the kit is fitted at the right height and that any strengthening that is required is designed to suit.

### ○ Weight calculation

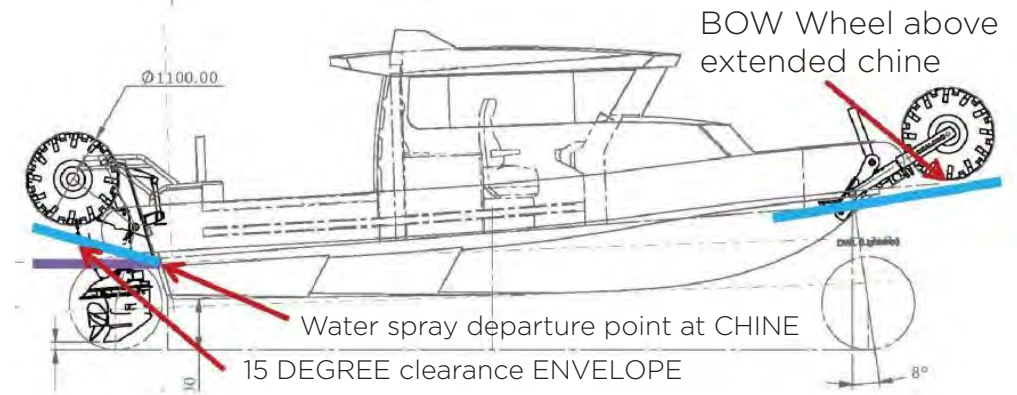
The size and weight of the donor boat will determine the appropriate AES system. System selection is decided in part by adding the gross vehicle weight and calculated payload together.

The gross vehicle weight is calculated by summing the collective weights of the selected Sealegs AES, base dry weight of a donor craft, inboard or outboard, full complement of fuel and the heaviest combination of any additional options.










## Donor Hull Considerations ○

- Maintaining existing hydro-dynamics
- Support for bow/stern sections
- The 15° water clearance envelope (as right)
- Low intrusion of internal hull space
- Maintaining existing LCG
- Minimising additional weight
- Routing for hydraulic lines



## INTEGRATION SUPPORT ○

With technical specifications, drawings and weight analysis, Sealegs can begin to assist with technical feasibility analysis, design and prototyping. A successful integration between Sealegs and your boat is the ultimate goal, so we encourage our partners to make use of our expertise, technology and patents.

Technical feasibility analysis	CAD design & full schematics		Initial prototype & integration engineering		Aluminium & fibreglass integration expertise	
Training & installation instruction		System commissioning		Patent & design protection		

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# 2

## AMPHIBIOUS ENABLEMENT SYSTEM

AMPHIBIOUS ENABLEMENT SYSTEMS	System 60	System 70	System 100
<b>MAXIMUM donor gross vehicle weight</b> (Including outboard, hull, payload and petrol)	2,500 kg (5,500 lbs)	3,500 kg (7,700 lbs)	6,500 kg (14,300 lbs)
<b>MAXIMUM donor vessel length</b> (Excluding wheels)	6.5 m (21')	9.0 m (29')	11 m (34')
<b>Lift and lowering</b> (Capable of lifting boat & payload)	Yes	No	No
<b>Cooling</b>	Air cooled	Air cooled	Air or radiator (Aqua Air)
<b>Tyres</b>	25" x 11"	26" x 11"	37.4" x 19.6"
<b>Top speed</b>	7 kph (AWD) 4.3 mph	7 kph (AWD) 4.3 mph	9 kph (AWD) 5.6 mph
<b>System weight</b>	525 kg (1158 lbs)	550 kg (1212 lbs)	1500 kg (3307 lbs)
<b>Power</b>	22 HP	35 HP	Inboard PTO or 97 HP
<b>Max torque</b>	3,000 Nm	3,000 Nm	9,300 Nm
<b>Precommissioned - ready to start</b>	Yes	Yes	Yes



Front and rear wheels hydraulically retract at the push of a button

12 mm 6061 alloy bow bracket

3625 psi max operating pressure\*

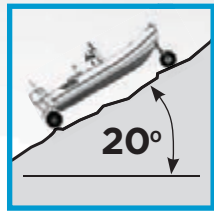
An air-cooled inboard engine drives hydraulic pump/s to power the wheels. The system includes a stainless-steel muffler and a hydraulic oil cooler.

Yoke block machined from 6061-grade solid aluminium billet

Heat-treated cast marine-grade alloy legs

25" x 12" 6-ply heavy-duty all-terrain tyres with 12" alloy rims\*

\*system dependent



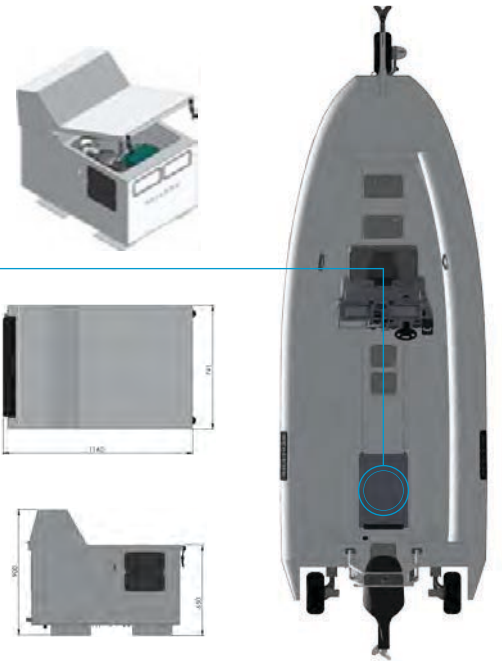
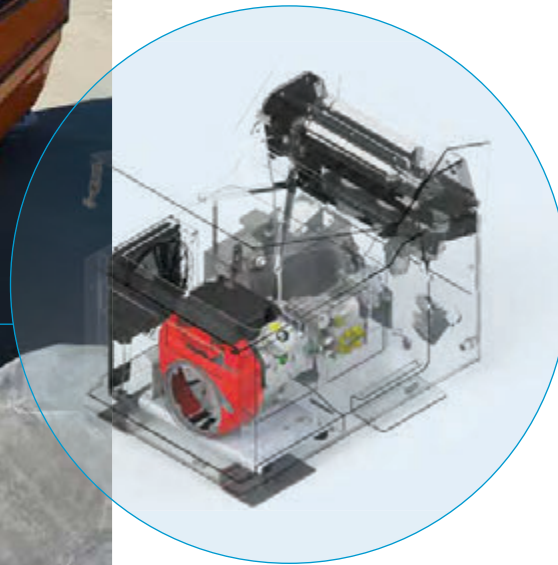
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# INTEGRATION OPTIONS

## 1 HYDRAPAK

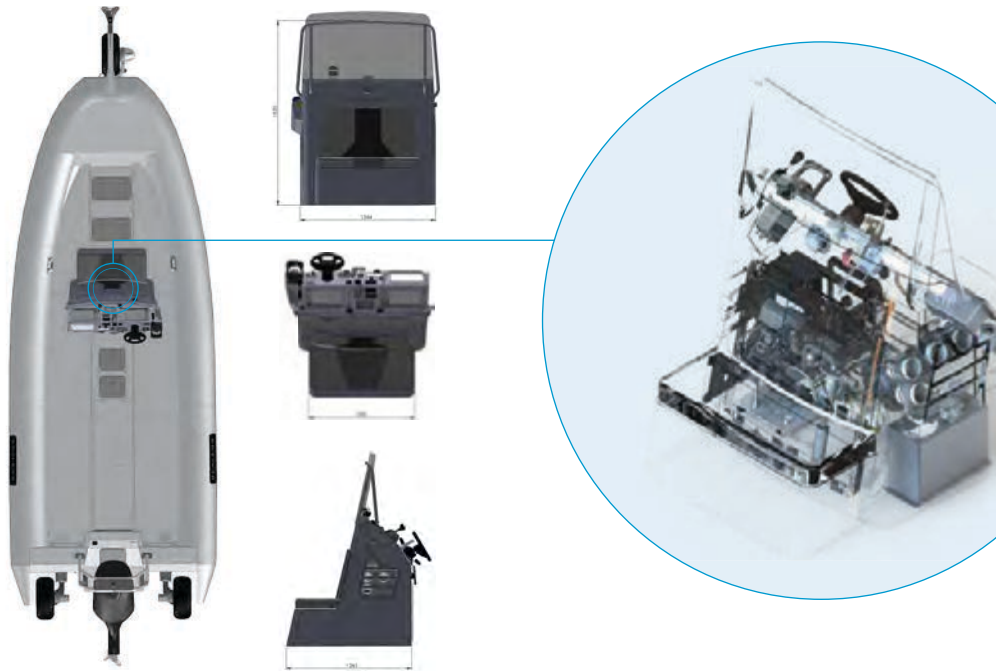
**THE HYDRAPAK** can be delivered as an on-deck pack which can be mounted near the transom of the boat. The powerpack height works well as a seat for pilot or passengers and allows for any console size or placement.



Choose Hydrapak or Hydrasol™ – and whichever you pick, everything you need is delivered in a box!

## 2 HYDRASOL™

**THE HYDRASOL™** can be delivered within an all-aluminium console, making installation easier and reducing the modification required on the donor hull. This option utilizes patent pending through-hull wet exhaust technology for improved power output.



ARE YOU READY TO JOIN THE AMPHIBIOUS REVOLUTION?

# NEW AMPHIBIOUS



## FOR BOAT OWNERS

Get the amphibious boat you want from the boat builder of your choice

Customise your boat and enjoy all the benefits of being amphibious

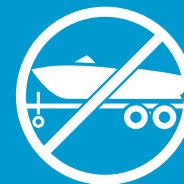
Make the most of your investment and enjoy more time on the water in your ideal craft



MORE BOATING



USE SOLO



NO MORE TRAILERS

# CRAFT

## OR BOAT BUILDERS

- Open new markets
- Increase revenues and products
- Improve existing products
- Differentiate your brand



STABICRAFT



SILLINGER



ASIS BOATS



GEMINI MARINE



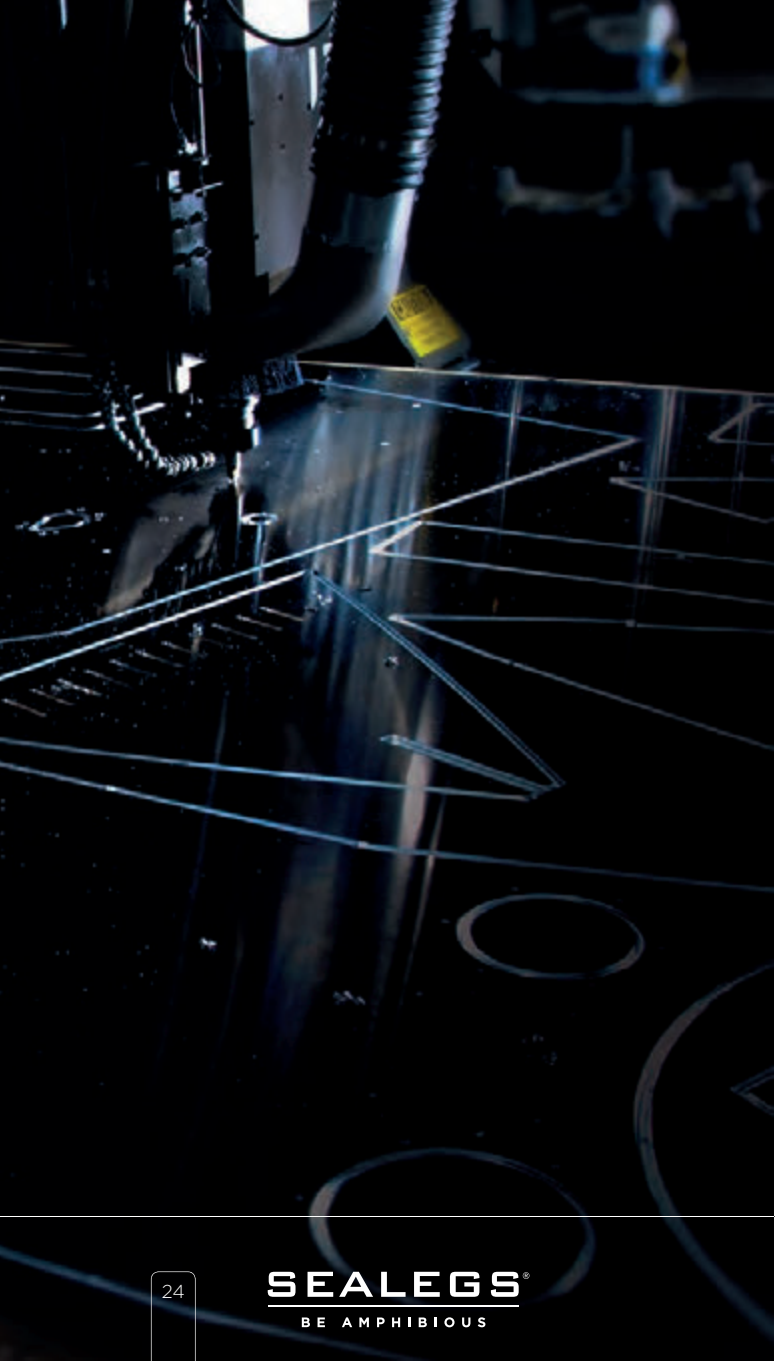
PROFILE BOATS



FISH CITY



ARE YOU READY TO JOIN THE AMPHIBIOUS REVOLUTION?



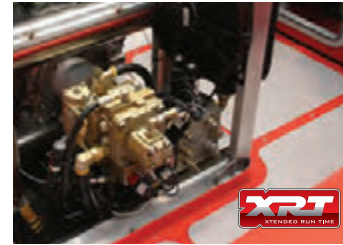
# FEATURES

## EXTENDED RUN TIME (XRT)

XRT allows users to run the inboard engine for continuous periods, increasing the AES range.

### XRT features include:

- Fan-assisted hydraulic oil cooling and warning alarm
- Hydraulic hot flush valve
- High temperature warning
- Additional 45 amp alternator



## AUTOMATIC BRAKING SYSTEM (ABS)

ABS is a land-based mechanical brake within the rear drive motors which automatically activates when:

1. the craft is parked and the inboard motor is turned off **OR**
2. in the unlikely event of a hydraulic transmission failure' **OR**
3. if the operator activates the emergency stop button on the console.



## ALL-WHEEL DRIVE (AWD)

Both the front wheel and rear wheels have their own wheel motor. This allows for maximum traction and terrain capability when encountering beach inclines of soft sand, shell, shingle and/or pebbles,



# OPTIONS

## ELECTRIC



The Sealegs® Ephib, or Hybrid Electric, is available for System 60 kits and sets an amphibious standard for clean, green, quiet, beach-friendly craft.

## TRACTION



3 or 4 wheels or tracks available - the team at Sealegs® can help you to customise your amphibious boat to meet application-specific needs.

## DIESEL



Aqua-Air incorporates a proprietary unique exhaust and radiator engine cooling system which enables drive from a single engine on land and sea.



# COMPONENT ASSEMBLIES

## LEGS & ATTACHMENT

Rear assemblies fit to transom pods, while the front is fitted to a strengthened bow-section or nose-cone. Both front and rear wheels hydraulically extend or retract at the push of a button.

- Yoke block machined from 6061-grade solid aluminium billet
- 12 mm 6061 alloy bow bracket
- Front fork
- Transom mounting brackets
- Heat-treated cast marine-grade rear legs

## HYDRAULIC DRIVE

Petrol inboard engine drives a variable-displacement hydraulic pump. The pump is connected directly to the inboard engine's drive shaft, with none of the hassles of a gearbox, clutch or mechanical cables.

The system includes stainless-steel muffler and hydraulic oil cooler (XRT).

- AWD marinised wheel motors
- Hydraulic hoses, seals & fittings
- Hubs & fitted tires and rims



## AMPHIBIOUS LIFT

The retraction and extension of the wheel assemblies is provided from custom hydraulic lift cylinders with 6061 alloy anodised body, integral check valves and solid stainless-steel 2205 shafts. Industrial-grade solenoids control the hydraulic cartridge valves with custom Sealegs® manifold block.

- 3 Marinised lift cylinders
- Lift block
- Manifold & valves



## OTHER

Control and navigation systems are mounted on the console near the boat's existing drive system, allowing for ease of use by a single operator.

Dash-mounted control panel includes hydraulic joystick controller, wheels up / down switches, indicator panel and emergency stop button.

- Power steering pump and outboard steering cylinder
- Electrical loom and associated drawings
- Labels and manuals
- All required fittings



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# ARE YOU READY TO JOIN THE AMPHIBIOUS REVOLUTION?

## NEW ZEALAND

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Albany, Auckland 0632  
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P: 0064 9 414 5542  
or 0800 732 5347

## EUROPE

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75116 Paris  
France

P: 0033 7 60 07 44 22

## AUSTRALIA

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Unit 14/75 Waterway Drive  
Coomera, QLD 4209  
Australia

P: 0061 423 602 532  
or 1300 732 5347

## NORTH AMERICA

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259 Franklin Street  
Bristol  
Rhode Island 02809  
USA

P: 001 888 473 2534

# CALL YOUR AMPHIBIOUS TECHNOLOGY CONSULTANT NOW

Visit [www.slg-technologies.com](http://www.slg-technologies.com)  
or email [info@Sealegs.com](mailto:info@Sealegs.com) for more info.



Sealegs® International is part of the Future Mobility Solutions Group. For more information, please go to [futuremobilitysolutions.net](http://futuremobilitysolutions.net).



LINK



ARE YOU READY TO JOIN THE AMPHIBIOUS REVOLUTION?

A wide, sandy beach stretches towards the ocean under a clear blue sky. Several sets of tire tracks are visible, leading from the foreground towards the water's edge. The tracks are arranged in a way that suggests a path that has been followed and then abandoned. The ocean is a vibrant blue, and the sky is a deep, clear blue. In the distance, a small island or headland is visible on the right side.

**DON'T** FOLLOW THE PATH OF OTHER BOAT BUILDERS

**LEAD** WHERE  
THERE IS NO  
PATH

AND LEAVE AN  
**AMPHIBIOUS**  
TRAIL...