

[View this email in your browser](#)



## THE MAST IS SET, THE BOAT IS LAUNCHED... THE RACE IS ON!

NEWSLETTER #5

### AN UPDATE FROM PHIL

"Through extensive collaboration and support, we have now arrived at a very exciting and important moment for everyone involved – the launch of this pioneering craft that sets new standards in clean energies and materials. We still have a long way to go, but it is a major first success to have OceansLab on the water and to have completed its first offshore test sail.

"I'm quite overwhelmed to be honest, it's difficult to believe where we are after so much effort by everyone to get to this point. I think it's an incredible moment, a moment everyone has been looking forward to for so long. I'm also a little bit anxious to see how everything performs, but also I'm enormously excited! I've been dreaming about this day for a long, long time! What an amazing machine it is, we've had a chance to really test it in a lot of wind with a top speed of 27 knots which shows that the boat works! It's the start of an incredible adventure!

"The OceansLab project was born nearly 10 years ago, when I first dreamt of developing a cutting-edge race boat. As an engineer, problem solving is a passion of mine, and I felt it was time to do my part in protecting my working environment - to take action - and protect the ocean. It was at this moment that the key objective of the project was the focus on advancing vital low carbon technologies.

"As the newest IMOCA to arrive in the offshore foiling circuit, OceansLab not only pushes the boundaries in performance but specifically in clean energy technologies including green hydrogen to replace fossil fuels.

"We have worked hard to ensure enhanced performance and reduced footprint, through the integration of our clean innovations – both energy and materials. This started from day one with the optimisation of the initial design and reuse of existing boat moulds.

"This high-quality construction is a result of the tireless commitment from the build teams at Pauger Carbon Composites and Black Pepper Yachts, along with the dedicated input from our Official Cleantech Partners and Hub Members. OceansLab will be the only boat on the starting line of the Retour à La Base, and probably the Vendée Globe, that does not carry any fossil fuels.

"Retour à La Base...Phil"

Phil Sharp, Skipper, OceansLab - Cleantech Accelerator



Credit: Mark Lloyd

### FIRST SAIL!

A moment with Phil Sharp and OceansLab as they arrive home to La Rochelle on Tuesday 31 October, after waiting patiently for an appropriate weather window, through gales and thunderstorms..



### OFFICIAL NAMING CEREMONY AND THE PATRON OF OCEANSLAB - CLEANTECH ACCELERATOR

Phil Sharp's OceansLab - Cleantech Accelerator was officially launched at a very personal event in the team's hometown of La Rochelle, on Friday evening.

The naming of the innovative IMOCA was carried out by Phil's business partner and wife, Rebecca, in front of a group of Partners, family members and friends.



Credit: Olivier Blanchet

The patron of OceansLab, Bertrand Piccard, the Swiss explorer, Clean Energy pioneer and Founder of Solar Impulse said:

"OceansLab is a really important flagship. This hydrogen project is not just for 'coffee' discussions, it is to implement the project, to show that it works and demonstrate to other people how to use it. Even if I come from the world of aviation, I follow very closely what is happening on the sea and I wish OceansLab and Phil the best of luck and hope that you will carry this spirit of clean technology and clean energy around the world very soon."



### DID YOU KNOW?

#### Accelerating Clean Technologies

This ground-breaking project accelerates cleantech in the ocean-going environment by demonstrating the performance and sustainability advantages of renewable energy. Eschewing the easy go-to diesel engine solution, Official Cleantech Partner Genevès has designed an innovative hydrogen-electric system integrating multiple sources of renewable energy capture (sail, solar PV, and hydrogenators), storage (green hydrogen and lithium batteries), and power generation (hydrogen fuel cell). The complete system enables zero emissions for both propulsion and auxiliary power, with a total combined peak power of 20 kW.

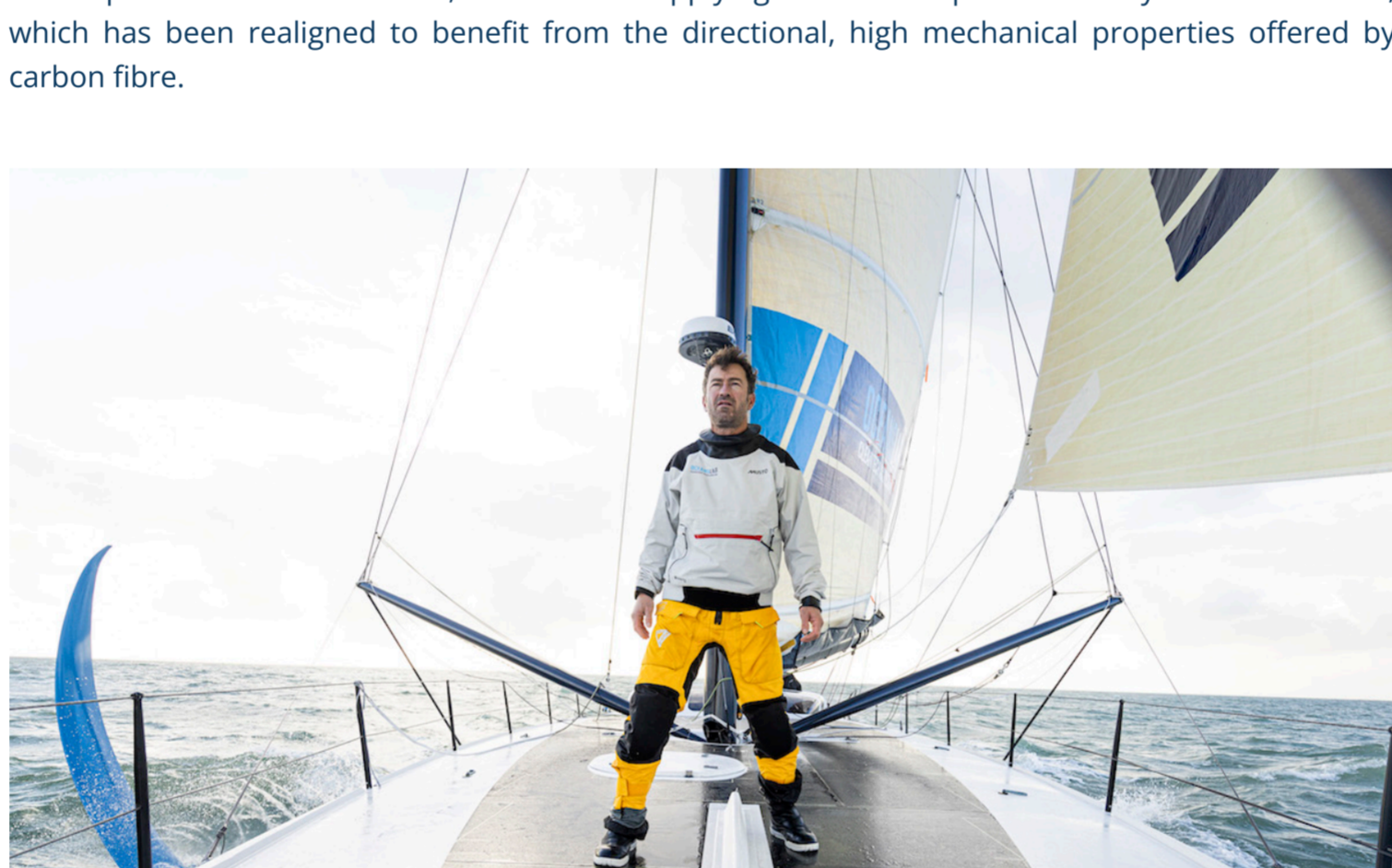
The OceansLab clean energy system will allow the IMOCA to motor for an average of 6 knots (10 kW) for up to 24 hrs, achieving a practical motoring range consistent with standard diesel-powered yachts, and considerably more than the IMOCA safety requirement of 5 hours at 5 knots.

#### Incorporating Low Carbon Composites

But it is not just the clean energy system that sets OceansLab apart from the rest of the IMOCA fleet. The sustainability of the materials used in the construction have also been at the heart of the project.

"Advancing clean technologies in the marine sector is not just about the energy systems, but also the overarching holistic aspect of the boat itself. We have used a cradle-to-cradle solution of high performance, fully recyclable epoxy resin technology that can be chemically broken down at the end of life, using a non-toxic acetic acid. This separates out the resin from the fibre so that that they can both be used in a new lifecycle. It also has the added benefit in enabling the cleaning and reuse of consumables to reduce waste, which is enormously beneficial for the boat building sector that widely uses resin vacuum infusion processes." Says Sharp.

OceansLab has also replaced many of its performance carbon fibre applications with basalt fibre to significantly reduce carbon footprint. Basalt fibre is low-footprint, high performance fibre produced from naturally occurring minerals that can be recycled and recycled at end of life without any loss of performance. In addition, OceansLab is applying latest developments in recycled carbon fibre, which has been realigned to benefit from the directional, high mechanical properties offered by carbon fibre.



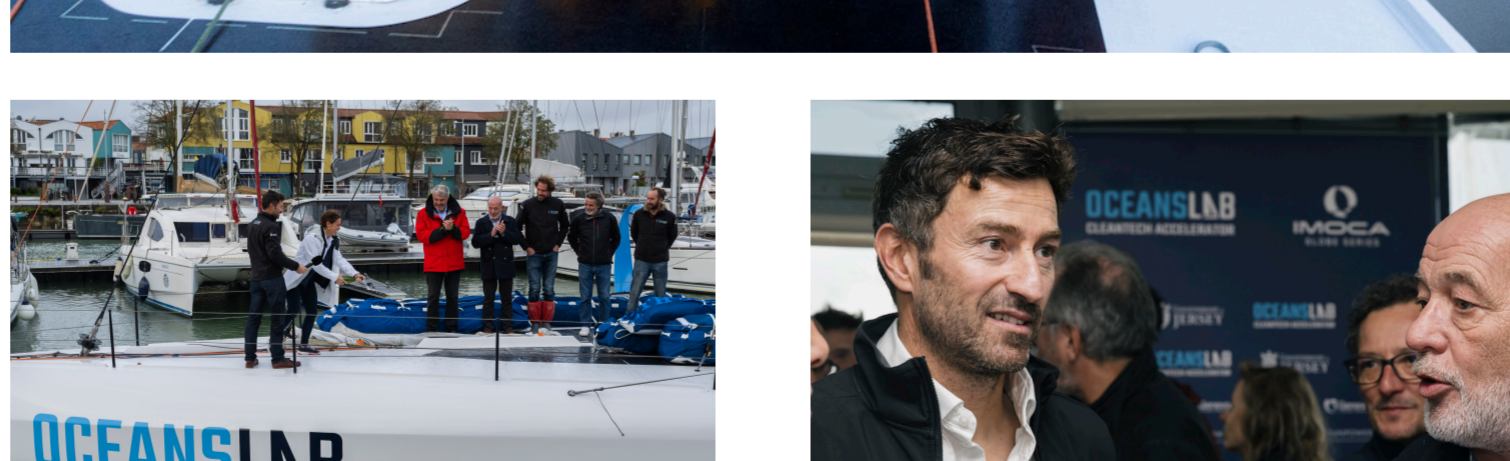
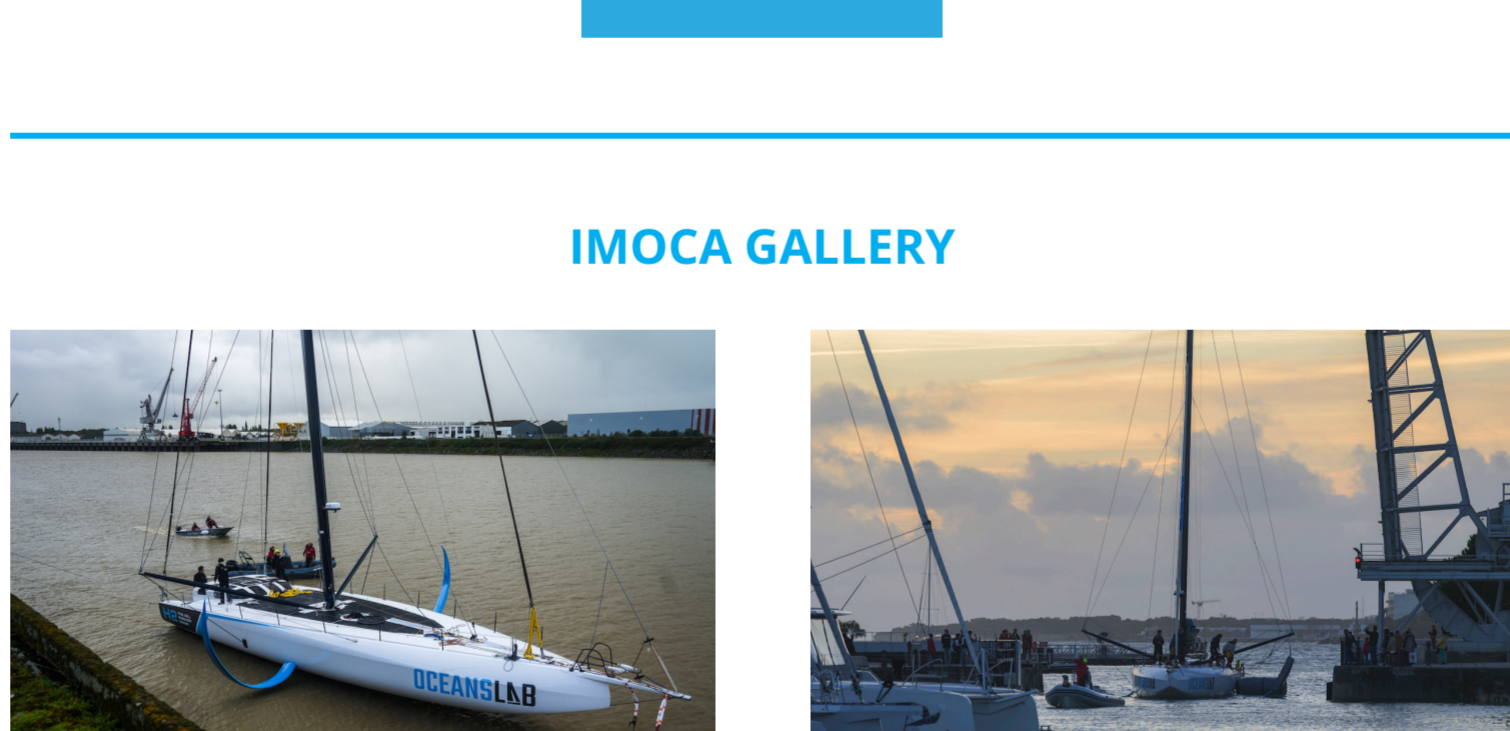
Credit: Mark Lloyd

### PARTNERSHIP OPPORTUNITIES

Unique opportunity to become a lead partner of OceansLab and support our mission to accelerate the uptake of high performance clean innovations through the world's most extreme ocean races.

[READ MORE HERE](#)

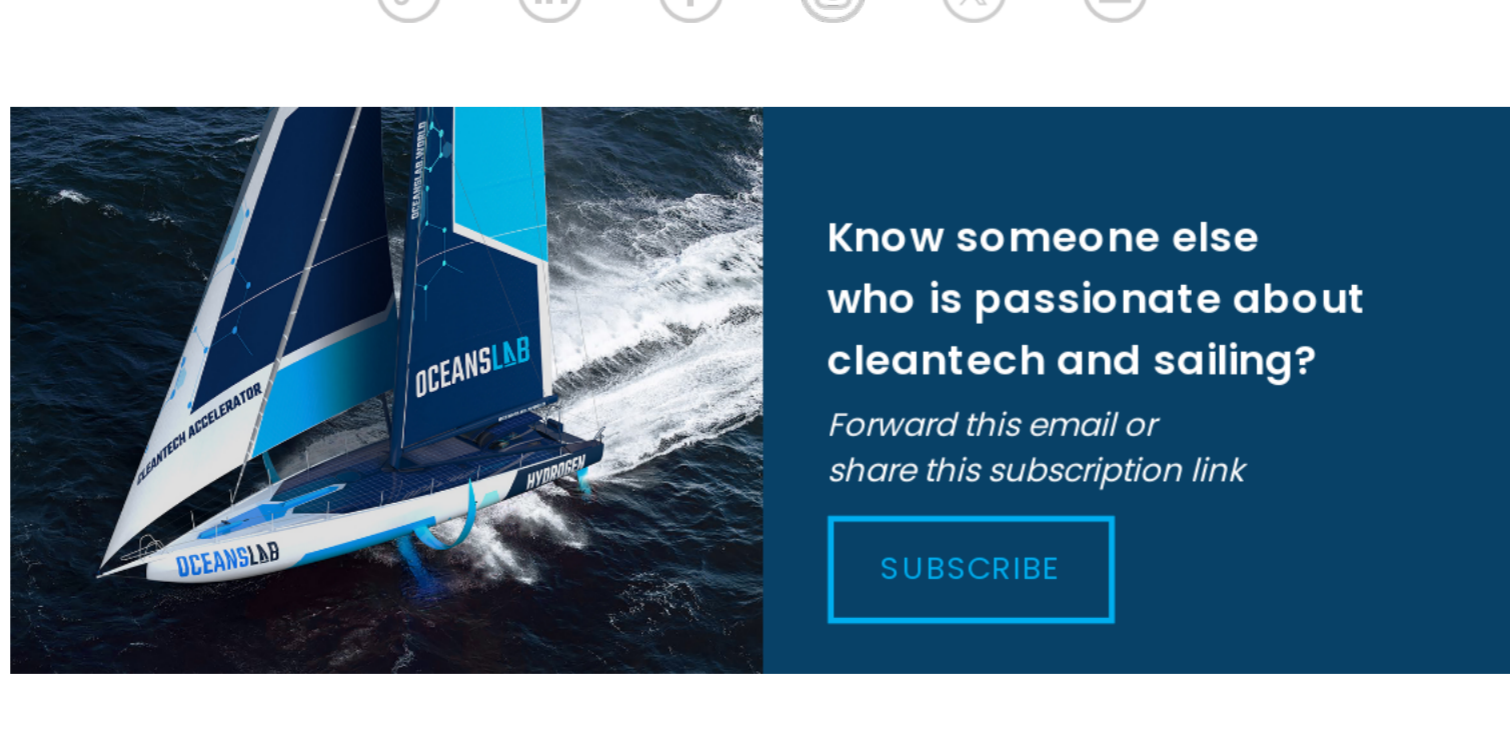
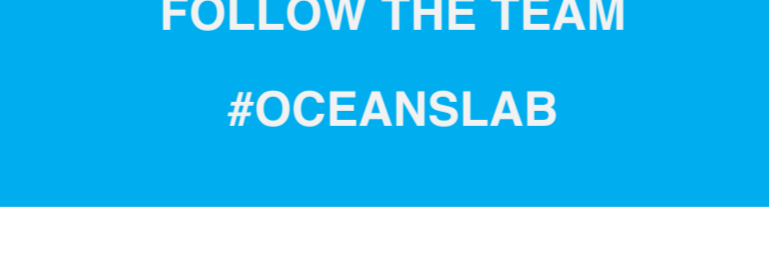
### IMOCA GALLERY



Credit: Mark Lloyd / Olivier Blanchet / Puravida Images

### FOLLOW THE TEAM

#OCEANSLAB



### OUR PARTNERS



### PARTNERSHIP OPPORTUNITIES

Copyright © 2019-2023 OceansLab - Cleantech Accelerator. All rights reserved. [Privacy Policy](#)

This email was sent to [s@Email Address](#). [why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

OceansLab - Cleantech Accelerator - 23 Rue Antoine Lavoisier - Aytré 17440 - France

