### Introduction to

# CAMBRIDGE UNIVERSITY RIVIERA RACING

Powered by hydrogen, driven by innovation





# INTRODUCING RIVIERA RACING



Cambridge University Riviera Racing is a new student team driving towards a sustainable maritime future by building a zero emissions boat for Monaco Energy Boat Challenge 2024. Our first project will be a catamaran-hulled racer, powered by a hydrogen fuel cell to compete in a range of challenges, stretching the limits of endurance, speed, and manoeuvrability.

We are a team of versatile students at the University of Cambridge from a wide variety of backgrounds, each bringing a unique set of strengths to the table. We are incredibly excited to work together over the next year to design and build the most competitive boat possible.

#### **OUR VISION**

At Riviera Racing we believe that hydrogen will be a fundamental part of the journey towards a more sustainable maritime future. Through our project we aim to demonstrate the viability of hydrogen fuel in this space. With shipping being the backbone of international trade, it is crucial that we innovate and develop alternative fuel sources for the industry.

### **OUR MISSION**

Our aim is to serve as a hub for inventive students at Cambridge University to develop their skills with a real-world engineering challenge in an environment which encourages creativity, experimentation, and excellence. We also strive to support innovation in the maritime industry through collaboration with leading industry partners.



### ABOUT THE CHALLENGE

#### THE COMPETITION

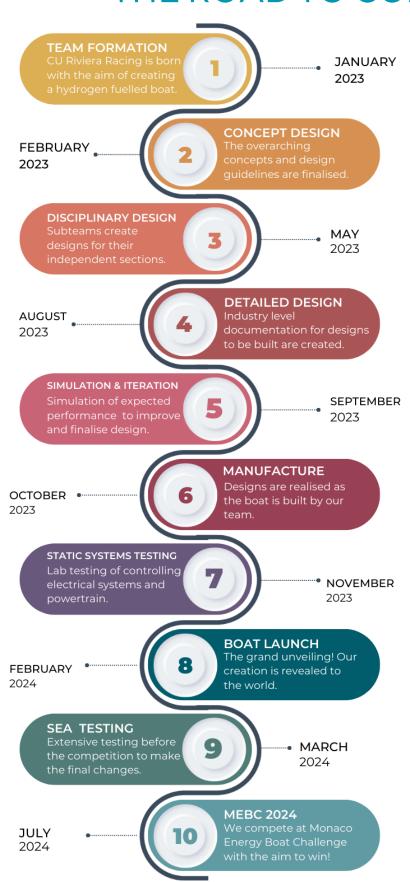
The Monaco Energy Boat Challenge, organised by Yacht Club de Monaco, is an international competition between pioneers in yachting, requiring competitors to test their zero-emissions creations in a series of races and challenges. The 2022 edition of the competition attracted 35 teams including 27+ universities across 20+ nationalities along with the world's press to the races, tech talks and industry pitches taking place over the week.



#### THE LOCATION

A legendary jewel along the French Riviera, the competition is hosted by the prestigious Yacht Club de Monaco. Building on a strong history of innovation which has been reinvigorated in the Capital of Advanced Yachting, Monaco is an unbeatable backdrop to the competition. The Yacht Club de Monaco brings together over 2,500 members from 80 nationalities with the most prestigious yachts in the world under its burgee, making it uniquely powerful as a forum for sustainable innovation in the maritime industry.

# THE ROAD TO COMPETITION



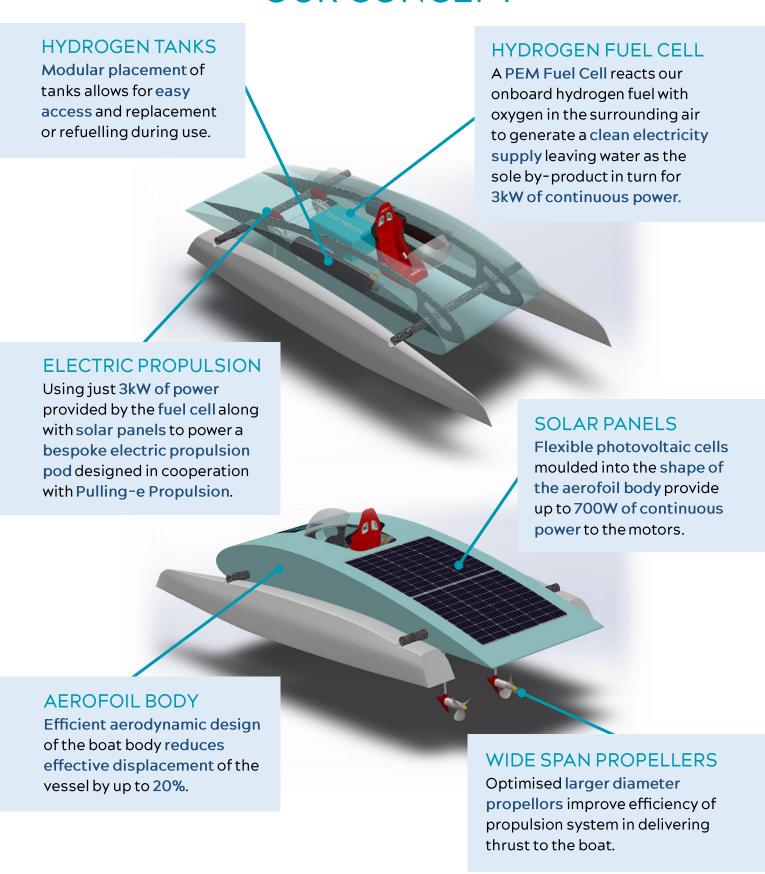


#### **OUR NEXT STEPS**

We are currently working at the Disciplinary Design stage, with each sub team beginning to work on the main priorities. We are exploring the best balance between speed, agility and endurance through design options in each field, such as the inspiration from aerofoils in the cockpit body, different power management algorithms and various shapes for the propellors.

As we move ahead, we are looking for specific parts and suppliers to collaborate with to realise our concepts as well as general partners who can help us with funding and technical advice.

### **OUR CONCEPT**



# MEET THE TEAM



HARSH SINHA Co-Captain & Director of Operations



Co-Captain & Chief Engineer



**DIVY DAYAL** Treasurer



**XIAOLI BIGGS** 



**DANIEL READ** Media Lead



**WILL YU** Cockpit Design Lead



MRIDHULA SRIDEVI PRABHAKAR Vehicle Dynamics Lead



**NIKKO TEN HAVE** Control Systems Lead



**ANSH SHARMA** Simulations & Testing Lead



**TERRENCE NG** Structures & Body Lead



SANADI ILANDARIDEWA Energy & Fuel Cell Lead



**THOMAS YAM** Power Electronics Lead

# **GETTING INVOLVED**

With our first build cycle now well underway, there has never been a better time to get involved. We are always excited to welcome new partners to the Riviera Racing family – see below for some of the benefits of getting involved:



#### INSPIRING YOUNGER GENERATIONS

As part of our commitment to inspiring the next generation of engineers, we aim to run open days and outreach events at local schools and within our community, encouraging the youth of today to create tomorrow's environmental energy solutions.

#### **GRADUATE RECRUITMENT**

Through close collaboration between members of the Riviera Racing Team and our industry partners, we expect both alumni and partners to benefit in finding excellent graduate employment partnerships. We can also offer networking and recruitment events at the Department of Engineering.

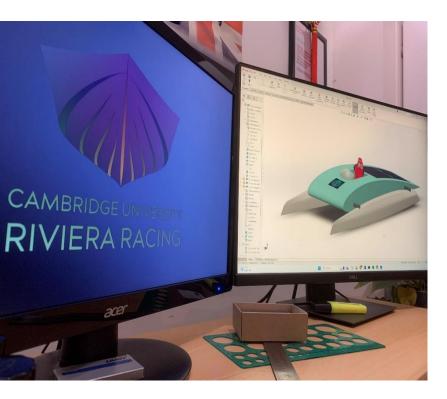
#### **TESTING NEW TECHNOLOGIES**

Our boat will be tested extensively in the run up to the competition, allowing our technical partners to have their products tested at the same time.

# INCREASED PUBLIC VISIBILITY OF PRODUCTS

Both through branding on the boat and our uniform as well as product placement at events, we can provide a public platform where your product will be associated with endeavour and innovation.





# CREATING CONNECTIONS IN CAMBRIDGE

We are the newest student team from the Department of Engineering, attracting a distinctive selection of the brightest students in the department and working with leading academics.

# SUPPORTING INNOVATION IN ZERO EMISSIONS TECHNOLOGY

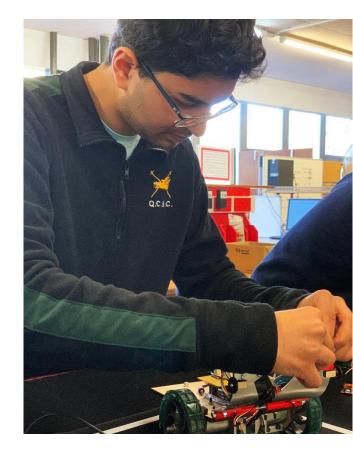
All our work goes towards our goal of proving the viability of hydrogen as the fuel of the future for marine vehicles.

#### **PUBLIC EXPOSURE**

As part of our mission to increase awareness of the hydrogen fuel cell technology we will use, we are always looking for ways to let people know more about what we are up to and who we are working with. The Monaco Energy Boat Challenge, unique in its role as a hub for innovation in clean energy propulsion and including prestigious teams from 20+countries, is also the perfect event to promote our mission and our partners.

# CORPORATE SOCIAL RESPONSIBILITY

Supporting Riviera Racing represents a company's commitment to the environment and social aims by supporting innovation in clean technologies and the education of young people in engineering and the maritime industry.



# PRESS & COMMUNICATIONS



#### INTERNATIONAL MEDIA

As one of the biggest annual events for maritime innovation, the Monaco Energy Boat Challenge has had over 350 articles and draws media outlets from 70+countries. We will also publish joint press releases with partners, increasing your visibility in association with both a prestigious competition and university.

350 70+ 40

ARTICLES COUNTRIES TV & RADIO BROADCASTS



#### **DIRECT COMMUNICATIONS**

We send our termly newsletter to the whole Riviera Racing family, including students, academics, and partners. We also feature publicity material in the newsletter to inform our community about the products offered by our partners. We are open and responsive to all queries, with partners being given direct email and phone number contacts to keep in touch.



#### SOCIAL MEDIA PRESENCE

With new accounts on LinkedIn and Instagram, upcoming accounts on Twitter and Facebook and a tech savvy communications team, we will post consistently on all our platforms to maximise engagement with the build cycle and promote our partners.





#### **CONFERENCES & EVENTS**

Despite being a brand-new team,
CU Riviera Racing have already been invited to attend the 12<sup>th</sup>
Environmental Symposium at
Monaco Ocean Week. On our journey to MEBC 2024, we will continue to attend leading industry events to spread the word about our project and partners.

# **OUR PARTNERSHIP PACKAGES**

We would be open to sponsorships in-kind, with the most appropriate band for each partnership determined on a case-by-case basis.

We are also always excited to hear what other arrangements our partners are interested in beyond those mentioned below and would welcome any discussions for alternative arrangements.

PARTNER BENEFITS	BRONZE PARTNERS (Approx. £1,000)	SILVER PARTNERS (Approx. £5,000)	GOLD PARTNERS (Approx. £10,000)	DIAMOND/ TITLE PARTNERS (Over £15,000)	
Small logo on boat hull					
Medium logo on boat hull					
Large logo on boat hull			•		
Prominent large logo on boat hull				•	
Small logo on partners document page					
Medium logo on partners document page					
Large logo on partners document page			•		
Prominent large logo on partners document page				•	
Logo in footer of document pages					
Full partner page in document				•	
Smaller logo on competition uniform		•			
Larger logo on competition uniform			•		
Prominent large logo on competition uniform				•	

PARTNER BENEFITS	BRONZE PARTNERS (Approx £1,000)	SILVER PARTNERS (Approx £5,000)	GOLD PARTNERS (Approx. £10,000)	DIAMOND/ TITLE PARTNERS (Over £15,000)
Logo and company description on our website				
CU Riviera Racing promotional material for your website		•	•	•
Product placement at events and on social media				
Promotional product stand at our events				
Presentation about your				
company to our team members				
Host talks about your company in Cambridge University				
Presentation about us at your company HQ				
Presentation about us with the boat at your company HQ				•
VIP access to MEBC including opening and closing ceremony				
and conference lunch VIP lunch experience at				
member-only YCM restaurant				
Invitation to boat launch unveiling				
Boat launch event named in honour of your company				
Opportunity to promote your internships & graduate schemes to our team & alumni				
Joint press release announcing partnership				
Termly team progress updates				

in newsletter
Company promotion in team
newsletter

# **THANK YOU**



To find out more and get in touch with us:



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team@rivieraracing.co.uk



Cambridge University Riviera Racing



CU\_RivieraRacing



