



MONACO
SOLAR & ELECTRIC
BOAT CHALLENGE

Notice of Race
13-15 July 2017

The Yacht Club de Monaco extends a very warm welcome to all teams competing in the Monaco Solar & Electric Boat Challenge.

Started in 2014 under the impulse of Solar One races, the Monaco Solar & Electric Boat Challenge has been established to promote solar power technologies, innovation and sustainable energy alternatives to keep our oceans and environment clean providing teams from all over the world the opportunity to compete and showcase their design, technological and sporting strengths in a world class international solar powered boat racing event.

The Monaco Solar & Electric Boat Challenge will take place between Thursday 13 July and Saturday 15 July 2017.

Notice of Race

1. Organisers

The Monaco Solar & Electric Boat Challenge is organised by:
Yacht Club de Monaco, Quai Louis 2, 98000 Monaco.
Email: solar@ycm.org
Telephone: +377 93 10 64 04
Website: www.ycm.org

2. Team(s)

A team entering a Boat in the Monaco Solar & Electric Boat Challenge shall consist of 5 members:

- a pilot who shall be responsible for operating the Boat and who shall be the Team's sole formal point of contact with the Organisers (the "Pilot");
- an alternate pilot or pilots to the extent permitted by the Rules (the "Alternate Pilot(s)");
- a shore crew at the disposal of the organisation capable at all time to communicate with the pilot while racing.
- 2 shore crew who will assist in preparing and maintaining the Boat (the "Shore Crew"); and
- any additional team members nominated by the Team and approved by the Organiser in its discretion (the "Additional Team Members");

(individually a "Team Member" and together the "Team").

All Team Members must be at least 18 years of age.

In the event that a Team Member's personal details, as set out on the Team Member's Disclaimer of Liability, were to change, the Team must promptly notify the Organiser of such change(s).

3. Governing Rules, the Contract, Definitions and the applicable Law and Jurisdiction

The Monaco Solar & Electric Boat Challenge will be governed by:

- all applicable local maritime authority rules and regulations;
- this Notice of Race (the "NoR");
- the Monaco Solar & Electric Boat Challenge Technical Regulations (the "Technical Regulations");
- the Racing Instructions handed out in Monaco during the confirmation of registration ((the "Racing Instructions")
- any amendments to the rules above issued in writing by the Organiser ("Additional Instructions");
- the UIM Circuit Rules 2014 with special regards to Group 300 - Racing Rules (UIM Rule book);

(together the "Rules").

In the event of conflict, the Rules shall be applied in the order of precedence as they are listed above.

This NoR is a contractual agreement between the Organiser and each Team (together the "Parties") and between all Teams.

This NoR and the terms of the contract created by a Team entering the Monaco Solar & Electric Boat Challenge shall be governed by the laws of Monaco. The Parties hereby expressly agree that any dispute which is not resolved in accordance with the Rules shall be referred to the exclusive jurisdiction of the courts of Monaco.

4. Classes, the Team's Boat and the Technical Regulations

Each Team is permitted to enter one (1) solar powered boat (the "Boat") from one (1) of the classes of solar powered boat set out below:

- 'A Class Challenge';
- 'Open Class' made of the Top Class and the V20 class.

(individually a "Class" and together the "Classes").

A Team's Boat must comply with all the regulations applicable to that Boat's Class set out in the Technical Regulations.

Teams are not permitted to use any boat or craft to provide on water support to their Boat.

5. Entry Requirements and Procedure

Each Team is required to:

- a) complete each stage of the entry procedure as set out in Table A below (the "Entry Procedure") to the satisfaction of the Organiser;
- b) pay the registration fee of EUR 500 (five hundred Euros) to the Organisers in their designated bank account by no later than one month before the first day of the race (details of the Organiser's designated bank account are set out at the end of this clause),
- c) provide a valid certificate of each Pilot's ability to swim 50m without assistance (or complete a swimming test to the satisfaction of the Organiser by no later than 12:00 Local Time on the day of confirmation of registration);
- e) submit a copy of the Team's and their Boat's certificate(s) of insurance (in English or French) of the Obligatory Insurances in compliance with provisions of Clause 20 below to the Organiser at Registration; and

Compliance with the above requirements and the Entry Procedure will be determined by the Organiser in its sole discretion and each Team hereby expressly agrees that the decision of the Organiser in this regard is final and binding.

All communications, including communications regarding technical matters, are to be made solely with the Organisers (whose contact details are set out at Clause 1 above).

Table A: Entry Procedure

Stage 1:	Complete online the registration form at www.ycm.org ; and pay the Registration Fee.	Deadline: Monday 1 May 2017
Stage 2:	Submission of and receipt by the Organiser of the Boat's conceptual design, which must specify by way of clear design sketches (at very least) the Boat's hull shape, the propulsion system and the attachment of the solar panels to the Boat.	Deadline: Monday 1 May 2017

Stage 3:	Submission and receipt by the Organiser of details and design of the technical construction of the Boat. The design must show clearly the attachment location and system of the battery container, the seat(s), the solar panel(s) and the motor(s). The attachment of the motor, the solar panel(s) and the battery container(s) must be supported by either a structural calculation or a load test. 'A Class' and 'Open Class' Boats must also include a precise drawing of the layout of the solar panel(s) and a calculation of maximum power output.	Deadline: Monday 1 May 2017
Stage 4:	Submission of and receipt by the Organiser of the design of the Boat's electrical system, from solar panel(s) to the motor(s). This must include both an electrical circuit diagram and the physical design and drawings should show all relevant components. Teams planning to use non-PV solar panel(s) must show a design of the power system.	Deadline: Thursday 20 May 2017
Stage 5:	On arrival at the Monaco Solar & Electric Boat Challenge, each Team's Boat will be inspected by the Organiser to ensure compliance with the Rules and the Technical Regulations (the "Technical Inspection"). The Technical Inspection will commence in the order of arrival of each Team's Boat at the Organiser's Boat paddock at the YCM (or as determined by the Organiser in its sole discretion).	Date of Technical inspection
Stage 6:	Each Boat is required to successfully complete sea trials to the satisfaction of the Organiser (in its sole discretion) to check compliance with the Rules. Sea trials will test the speed, manoeuvrability, stability and general safety and handling of the Boat.	Date of Technical inspection

Teams are required to a registration fee of 500 EUR to confirm your participation.

The Fee must be paid electronically to the following bank account:

Bank Name: CFM Albert 1er
 Bank address: 11, boulevard Albert 1er MC98000 Monaco
 Beneficiary: Yacht Club Monaco
 IBAN: MC 78 1273 9000 7001 2417 2000 L37
 Swift: CFMOMCMXXXX

Payment Reference: Booking Fee SOLAR 2017 + (TEAM NAME)

Please forward the confirmation statement to solar@ycm.org

6. Accommodation

YCM offers free accommodation in neighbourhood of Monaco for up to 5 people for 4 nights from 12 to 16 July 2017.

7. Confirmation of Registration and Schedule of Events

Each Team is required to complete their registration with the Organiser in person with the Team's Boat at Yacht Club de Monaco on Thursday 13 July 2017.

It is the Organiser's intention that the Monaco Solar & Electric Boat Challenge will follow the schedule of events and racing as set out in Table B below (the "Schedule"):

Table B: The Schedule

Date	Time	Event
Wednesday 12 July	10.00 am	Boat Paddock Opens
Thursday 13 July	9.00am - 6.00pm	Confirmation of Registration and Technical Inspection
	6.00pm	Compulsory Pilots Briefing
	7.00pm - 8.00pm	Welcome Cocktail at YCM
Friday 14 July	8.00am	Paddocks and Solar Village open
	10.00am	Start of the Endurance Fleet Race
	3.00pm	Parade Lap
	4.00pm	Start of YCM speed Record
Saturday 15 July	8.00am	Paddocks and Solar Village open
	9.00am	Compulsory Pilots Briefing
	10.00am	Start of Slalom Race
	2.00pm	Start of one-on-one duels
	8.00pm	Closing Dinner and Solar Party at YCM
Sunday 16 July	9.00am - 4.00pm	Boat Collection

8. Race Format and Race Courses.

It is the Organiser's intention to conduct the following races: a) a Fleet race; b) a Slalom race and c) One-on-one Sprint races.

The format of racing contained in this NoR and the race courses set out below may be amended by the Organiser at its sole discretion and Teams will be notified of any such amendments on the Organiser's bulletin board at the YCM (and on the Organiser's website if appropriate).

The Fleet Race

Each Team's Boat shall compete in its Class in a mass start fleet race over a closed course about 0.5 nautical mile in length.

The boats will have to complete a set amount of turns that will be determined by the weather conditions on the day of the fleet race. The aim is to run for a minimum of 2 (two) hours and a maximum of 4 (four) hours.

The winner will be the first boat to complete the set amount of laps.

Slalom Races

Each Team's Boat is required to complete a timed run on a slalom race course (approx. 0.2 nautical miles) specified for the Boat's Class under the Organiser's starting orders.

The winner of the slalom race will complete the slalom race course in the quickest time recorded by the Organiser between the start line and the finish line.

The time recorded by the Organiser is final and binding on the Teams.

If time and conditions permit, each Team's Boat will make two (2) timed runs on the slalom race course. If only one (1) timed run is completed, that time will be used for scoring purposes.

"One-On-One" Sprint Championship Race

Boats in each Class will compete in a "One-on-One" knock-out Sprint Championship Race (the "Sprint Race" on the format of the UIM Match race) on a course of approximately 0.1 nautical miles long.

The starting sequence of the Boats will be established by the finishing order of the Boats in their Class in the Fleet Race.

9. Scoring

The scoring system used will be the UIM point system.

Boats scored DNS (Do not Start), DNF (Do Not Finish), OCS (On Course Side) or DSQ (Disqualified) will be ranked last and will be awarded no points.

10. Prizes

The following prizes will be awarded at YCM on Saturday 15 July 2017:

- The Overall 'Winner'; 'Runner-up'; and 'Third Place' Team in each Class;
- The 'Innovation Prize' for the most progressive design awarded by the Organiser evaluating durability, inventiveness and originality;
- The 'Fair Play Prize' for the Team that has attracted the most attention for acting in the spirit of fair play and good sportsmanship.

The Organiser may introduce more prizes or awards if it so chooses in which case appropriate announcements will be made on the website and on the Official Notice Board at the YCM during the Monaco Solar & Electric Boat Challenge.

11. The Racing Area

Races shall be held in Monaco Bay and its surrounding waters.

12. Withdrawal from the Monaco Solar & Electric Boat Challenge

A Team may withdraw from the Monaco Solar & Electric Boat Challenge by prompt written notification to the Organiser.

A Team withdrawing from the Event after the 15 of May, will have its Booking Fee refunded only if another boat registers to the event in its position.

13. Weight Equalisation

The Pilot and each Alternate Pilot will be weighed at Confirmation of Registration.

To make up the power difference between top class and V20, the pilots of the V20 will have to weight a minimum of 80kg. That is an amendment to Tech Rules 6.1

14. Media, Advertising and Logos

Monaco Solar & Electric Boat Challenge Registration Numbers:

The Organiser will allocate each Team with a racing number for its Boat and will issue each team with decals showing this number and which are to be attached to Boat's registration panel as specified in the Technical Regulations. The Monaco Solar & Electric Boat Challenge registration numbers may not be modified except by the Organiser.

Sponsors:

A Team may be sponsored provided that any such sponsorship does not, in the sole discretion of the Organiser, conflict with the moral standards and/or commercial or other interests of the Organiser, the Organising Partners or the Monaco Solar & Electric Boat Challenge itself. Number of sponsors on Pilot's overall, helmet and team members t-shirts is not limited.

Details of any proposed sponsorship (including sponsors' names and the types of products and/or services offered by sponsors) must be included on the Entry Form. A Team breaching this Clause may, in the sole discretion of the Organiser, be disqualified from the Monaco Solar & Electric Boat Challenge.

A Team is not permitted to add sponsorship and/or advertising graphics to the Boat after Technical Inspection without the Organiser's prior written approval.

Logos:

A Team is not permitted to apply or use any logos, marks or distinguishing features belonging to the Organiser or the Organising Partners without the Organiser's prior written approval.

Graphics:

The Organiser reserves the right, in its sole approval, to disapprove any graphics on the Boat or otherwise which it considers inappropriate and/or offensive. Failure to remove any such graphics or comply with this provision may result in disqualification of that Team.

Media:

Each Team is required to provide comments to the media and attend media events for broadcast purposes, if requested to do so by the Organiser. Such events will be advertised on the Organiser's Official Notice Board at the YCM (and on the Organiser's website if appropriate)

15. Intellectual Property

By entering the Monaco Solar & Electric Boat Challenge the Team expressly acknowledges and agrees:

- a) and warrants that they have obtained permission from their sponsors and commercial partners wherever appropriate) that the Organiser and the Organising Partners are hereby granted a perpetual, irrevocable, royalty free licence to reproduce, print, publish or disseminate worldwide and in any medium the names, logos, images, likenesses and voices of the Team and the Boat for any reason whatsoever and in particular in connection with the promotion, advertising, broadcasting and commercial exploitation of the Monaco Solar & Electric Boat Challenge;
- b) that the Team, Team Members and the Boat may be photographed and/or videotaped while on the water or ashore;
- c) that the Organiser may request to place a video or photo camera (GoPro or similar, provided by Organiser) on Team boat or Pilot's helmet.
- d) that any technological know-how, copyright, patents, design rights (whether registered or unregistered) and any other intellectual property rights, trade secrets and other valuable and/or commercially sensitive information (the "IPR") may be disclosed to the public by the Organiser, the Organising Partners or their agents or representatives. In particular, the Organiser and the Organising Partners are under no duty or expectation of confidence in connection with the IPR;
- e) and warrants that its Boat has been developed solely by the Team and/or that the Team has obtained all necessary licenses and permissions to use the technology, know-how and intellectual property embedded or employed in the Boat.
- f) and undertakes to indemnify the Organiser and the Organising Partners to the fullest extent permitted by law, against all liabilities, costs, expenses, damages and losses (including any direct, indirect or consequential losses, loss of profit, loss of reputation and all interest, penalties and legal costs on an indemnity basis and all other costs and expenses sustained or incurred by the Organiser or the Organising Partners arising out of or in connection with a breach of this Clause.

16. Charging of Boat's Batteries

Each Team shall be permitted to charge the batteries of their Boat using the sun only (or in the sole discretion of the Organiser in the event of adverse solar charging conditions, by way of shore power points at the YCM).

17. Repairs

If a Team's Boat is damaged during the Monaco Solar & Electric Boat Challenge and such damage is anything other than cosmetic damage, then:

- a) that damage must be promptly notified to the Organiser at the YCM;
- b) the Boat must be removed from the water for repairs to be undertaken;
- c) after repairs have been completed, the Boat must be made available for inspection by the Organiser; and
- d) prior to the Boat being re-launched, the Organiser must authorise the Boat's continued participation in the Monaco Solar & Electric Boat Challenge.

18. Safety

It is the responsibility of the Team to decide whether to compete in the Event. Motor boat racing can be unpredictable and therefore involves an element of risk.

By entering the Monaco Solar & Electric Boat Challenge each Team expressly acknowledges and agrees that:

- Each Team Member is aware of the risks involved in the powerboat racing;
- It accepts responsibility for all its Team Member due to exposure to such risks;
- Each Team Member clearly understands that the provision by the Organiser of race management; safety boats and/or race officials does not relieve the Team of its responsibilities under the Rules;
- The safety of the Team, the Boat and other Teams and Boats is the primary consideration during the Monaco Solar & Electric Boat Challenge;
- It is responsible for the safety of the Boat, all Team Members and all Team property whether afloat or ashore;
- It accepts responsibility for any injury, damage or loss caused by its or its Team Member's acts or omissions;
- the Boat will be in sound working order, seaworthy and fit to participate in the Monaco Solar & Electric Boat Challenge;
- It will ensure that each Pilot and/or Alternate Pilot wears a helmet at all times when the Boat is underway and/or racing;
- It will ensure that each Team member will wear a life jacket and helmet at all times whilst on the water;
- It will ensure that no Team Member will be attached to the Boat by harness or other restraint at any time while the Boat is afloat;
- It will ensure at all times while the Boat is on the water, the Pilot and/or Alternate Pilot will be in radio contact with a Team Member ashore. That communication system will be checked by the Organiser during the Technical Inspection; and
- All its Team Members will be courteous to all other Boats, Teams and Team Members participating in the Monaco Solar & Electric Boat Challenge, the Organiser, the Organising Partners and their assistants and representatives as well as all other water users.

19. Penalties and Protests

A Team may in the sole discretion of the Organiser be penalised and/or disqualified if that Team's Boat is operated or handled in an overly aggressive, un-seamanlike and/or unsafe manner and/or the Team is in breach of the Rules.

The Organiser's decision making and interpretation of the Rules is final and binding on all Teams. Protests are frowned upon by the Organiser, but in appropriate circumstances and in the sole discretion of the Organiser, the Organiser may convene a protest hearing. The decision will take into account both objective and subjective factors in determining the outcome of an alleged infringement of the Rules, will be final and binding on all Teams.

As a result of a collision or other damage or injury being sustained during the Monaco Solar & Electric Boat Challenge, the Organiser shall not be required to convene a protest hearing.

The Organiser, the Organising Partners and their agents or representatives shall not be required to give evidence or disclose any documentation in connection with any civil hearing.

20. Insurance

It is a condition precedent to entry to and participation in the Monaco Solar & Electric Boat Challenge that:

- a) Each Boat is insured with reputable insurers for Third Party Liability risks up to EUR 1 million euro or the equivalent in other currencies for the period when the Boat is in the Principality of Monaco;
- b) Each Team Member is insured for personal accident and medical expenses cover for at least EUR 100,000 per accident

(together the "Obligatory Insurances"); and

- c) Each Team submit a copy of the certificate(s) of insurance (in English) of the Obligatory Insurances to the Organiser at Registration.

21. Disclaimer of Liability and General Conditions

- a) It is an express condition of entry to the Event that: i) the Disclaimer of Liability Form is accurately and fully completed and signed by each Team member at the confirmation of registration in Monaco; and ii) each Team accepts that it is entirely responsible for its own and its Team Member's safety, whether afloat or ashore, and nothing, whether in the Rules or elsewhere, reduces the Team's responsibility.
- b) It is for each Pilot and Alternate Pilot to decide whether the Boat is seaworthy and/or fit to compete in any conditions that may be encountered during the Monaco Solar & Electric Boat Challenge. By going to sea and participating in race, parade or exhibition, the Pilot and Alternate Pilot(s) hereby expressly undertake and confirm that the Boat is seaworthy and fit in all respects and that the Team is competent to compete in any conditions that may be encountered during the Monaco Solar & Electric Boat Challenge.
- c) The Organiser hereby excludes all liability for property damage, death and personal injury sustained at sea or on land in connection with, prior to, during and/or after the Monaco Solar & Electric Boat Challenge, to the fullest extent permitted by law. Nothing done by the Organiser, the Organising Partners and any of their subsidiaries, associated companies, consultants, agents, representatives, race committee, race officer, trustee, support boat, sponsor, supporter and other company and organisation officially involved with the Monaco Solar & Electric Boat Challenge will reduce the responsibility of the Team nor will it make the Organiser responsible for any loss, damage or personal injury, however the same may have occurred, as a result of the Team's participation in the Event.
- d) Each Team and/or Team Member hereby undertakes to indemnify the Organiser and/or the Organising Partners jointly and severally and to the fullest extent permitted by law for any damage, loss, liability, costs and fees incurred (whether

directly or indirectly) by the Organiser and/or the Organising Partners in connection with the Team's acts or omissions in connection with the Monaco Solar & Electric Boat Challenge.

- e) All accidents, whether on or off the water, must be notified in writing to the Organiser immediately. Failure to do so may result in either a points penalty and/or a disqualification from particular race(s) or the entire Monaco Solar & Electric Boat Challenge.
- f) If any provision in this NoR is deemed invalid, void or inapplicable the remainder of this NoR shall nevertheless remain in full force and effect.
- g) These Rules form the entire agreement between the Organiser and the Teams entering and participating in the Monaco Solar & Electric Boat Challenge and the Organiser hereby expressly reserves the right to revise the Rules at any time and will take all reasonable steps to notify participants of such revisions in the form of email notifications to each Team and bulletins being posted on the Organiser's notice board at the YCM during the Monaco Solar & Electric Boat Challenge.
- h) Cancellation of the races and/or the Monaco Solar & Electric Boat Challenge:
 - In the event that the Organiser abandons or cancels any race of the Monaco Solar & Electric Boat Challenge due to adverse weather or any other reason, no liability shall attach to the Organiser;
 - The Organiser reserves the right to cancel the Monaco Solar & Electric Boat Challenge entirely, In such circumstances: i) the contract between the Organisers and the Teams will be terminated forthwith by email notice from the Organiser to each Teams using the Team's contact email address set out on the duly completed Entry Form; and iii) each Team and Team Member hereby expressly agrees that any claim of any nature whatsoever against the Organiser is expressly excluded and undertakes to indemnify the Organiser in respect of any claim brought by anyone associated with them and/or any costs incurred by the Organiser in relation to any such claim.