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Which MADBrain autopilots will win the Transat Jacques Vabre?

With more than a third of the fleet equipped by Madintec, all classes included, it is likely that our skippers will once again perform well. With a few days to go before the start, we offer you an overview of the forces at work as well as a presentation of Madintec's innovative solution to ensure that our sailors sail serenely on this Transat.

In the Imoca class, the year 2021 began with Yannick Bestaven (Maître Coq) fine victory in the Vendée Globe. It was also a great season for Charlie Dalin (Apivia) who won the Fastnet and the Azimuth. There will be seven Imoca boats under the Madintec colours (see the list below).

Still in monohulls, you will be able to follow 7 new class40 last generation equipped by Madintec (see the list below). In 2019, Ian Lipinski (Crédit Mutuel) won this same transatlantic race and broke the 24-hour record, 100% of the time under MADBrain pilot.

This year, he shared the podiums with two new Madintec competitors: Axel Tréhin and Fred Denis (Project Rescue Ocean) who won the Normandy Channel in May, then Antoine Carpentier and Mikaël Mergui (Redman) who won the Sables-Horta in June.

As far as multihulls are concerned, the Ocean Fifty class, formerly known as the Multi50, is mostly equipped with our solutions, with 5 boats out of 7 (see the list below). They monopolize the victories. Gilles Lamiré (GCA) will defend his title with Yvan Bourgnon. They will have to battle with Sam Goodchild, Aymeric Chapelier (Leyton) and Quentin Vlamynck, Lalou Roucayrol (Arkema) who have shared victories on the Pro Sailing Tour.

Finally, the queen class of Ultims, Thomas Coville (Sodebo) will defend his title accompanied by Thomas Rouxel. He will be up against Yves Le Blevec and Anthony Marchand (Actual, ex Macif100) as well as François Gabart's latest Ultim (SVR-Lazartigue), which is carrying a number of innovations developed in collaboration with Madintec.



This week, the Madintec teams from La Rochelle and Lorient were in Le Havre. This was an opportunity to talk to our skippers one last time to answer their final questions and fine-tune a few things.

MADBrain: a resilient solution to failures.

As always, our teams are mobilised 24 hours a day during races. Sailing is a mechanical sport and traditional embedded devices are not immune to incidents with sensor failures. The advantage of MADBrain's solution is its innovative incident management, which ensures a safe piloting service regardless of the incident. Our advanced algorithms are able to process multiple data sources, verify their integrity and reject erroneous data. This is THE robust, fault-tolerant solution without any tradeoff about performance. As an example, an intelligent selection is applied on compasses to detect possible sensor faults and guarantee the best heading value in all circumstances. ***Another great Madintec innovation!***

Let's get to the race.

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Présentation Madintec

Madintec is specialized in the development of customized solutions for the offshore racing market. We provide R&D, consulting and development solutions. We are a team of 10 employees based in La Rochelle and Lorient. Our core business is software and electronic development.

We have acquired a strong experience and many references with the actors of ocean racing. This experience has enabled us to develop our own range of products which are used by the many players in ocean racing.

This "tailor-made racing" know-how has been concretized in 2021 by the launch of a "MADBrain" solution adapted to a wider market of "high-end" yachts.

- We market an electronic calculator, MADBrain, able to pilot the sailboat automatically, ensuring simplicity and safety.
- We bring original safety features to the "top of the range" yachts, in particular for catamarans with an anti-capsize system integrated into the autopilot.
- On the other hand, we have developed an obstacle avoidance system that has no equivalent on the market today.

List of Madintec competitors

The Imoca

Charlie Dalin and Paul Meilhat, APIVIA
Sébastien Simon and Yann Eliès, ARKEA PAPREC
Sam Davies and Nicolas Lunven, INITIATIVES-COEUR
Thomas Ruyant and Morgan Lagravière, LINKEDOUT,
Isabelle Joschke and Fabien Delahaye, MACSF
Yannick Bestaven and Jean-Marie Dauris, MAÎTRE COQ IV
Giancarlo Pedote and Martin Le Pape, PRYSMIAN GROUP

The class40

Ian Lipinski and Julien Pulvé, CRÉDIT MUTUEL
Emmanuel Le Roch and Pierre Quiroga, EDENRED
Amélie Grassi and Marie Riou, LA BOULANGERE BIO
Axel Trehin and Frédéric Denis, RESCUE OCEAN PROJECT
Antoine Carpentier and Pablo Santurde Del Arco, REDMAN
Cédric Château and Jérémie Mion, SEAFRIGO - SOGESTRAN
Jean Galfione and Eric Péron, SERENIS CONSULTING

The Ocean Fifty

Quentin Vlamynck and Lalou Roucayrol, ARKEMA 4
Gilles Lamiré and Yvan Bourgnon, GROUPE GCA - 1001 SOURIRES
Erwan Le Roux and Xavier Macaire, KOESIO
Armel Tripon and Benoit Marie, LES P'TITS DOUDOUS
Sam Goodchild and Aymeric Chappellier, LEYTON

The Ultims

Yves Le Blevec and Anthony Marchand, ACTUAL ULTIM 3
Thomas Coville and Thomas Rouxel, SODEBO ULTIM 3
François Gabart and Tom Laperche, SVR-LAZARTIGUE