



News release May 2023

THE ECO SAILING & SUSTAINABLE INNOVATIONS AREA AT THE GRAND PAVOIS LA ROCHELLE: WHAT ARE THE SOLUTIONS FOR THE PRESENT AND THE FUTURE?

Remember:

- **Global revenue estimated to be \$20 billion in 2027,**
- **More than 40 companies expected to present their products and innovations,**
- **Start-ups given pride of place in the space: "Sustainable innovations with EDF",**
- **Presentation of companies, start-ups and products...**

Revenue estimated to be \$20 billion...

Did you know? "According to the conclusions of a report published by IDTechEx, the electric boat market is expected to grow exponentially over the next ten years. With **about a hundred manufacturers** already present on the market, the report believes that the **electric and hybrid boat segment could be worth up to \$20 billion worldwide in 2027**. According to the report's authors, "the leisure sailing sector will experience the strongest growth driven by regulations increasingly favourable to electric propulsion, especially on inland waterways in Europe and the United States, which will gradually be closed to motor boats" Source AFBE. But, the future is also about all the solutions available in the fields of recycling, green energy, design firms, etc.

Aware of the great challenges of the present and the future, the ecological transition in the water sports sector is experiencing exponential growth. For the past few years, the Grand Pavois La Rochelle, a showcase for the sector's main trends, has placed a focus on the actions developed by all the sector's professionals and institutional players, and this year it will present:

- An Eco Sailing & Sustainable Innovations space with EDF covering more than 1,200 m²

Visitors will be able to discover **about forty companies** and **start-ups** in a dedicated space of over **1,200 m²**. This space, which will be divided into 2 parts, will present products either on land or in-water. This is a great advantage for the fifteen or so boats presented in-water, some of which are available to test, with EDF, the partner of this space, fitting the pontoon with new-generation electric chargers. Thus, in addition to presenting the port equipment solutions available, it will also be possible to recharge boats easily and free of charge!

Electric boats, recharging stations for ports, electric propellers, electric hydrofoil catamarans, green fuel, solutions for converting boats from thermal to electric power, ecological careening stations, green fuel, boat lifespan extension and recycling, fast chargers, architects and design firms, recycled hair and depollutants, etc. A multitude of solutions to be discovered during the 6 days of the show!

- Start-ups given pride of place at "Sustainable innovations with EDF"

Launched in 2019, this partnership with EDF aims to present the new solutions that will be found in sailing in the future. As a stakeholder in the energy transition, EDF defends and encourages eco-design and offers companies the chance to adapt their socio-economic model with the addition of new functions and the study of new uses. This space within the space will be devoted to start-ups working for the water sports sector.

COMPANIES AND START-UPS PRESENT IN THE SPACE (on 24 May 2023)

Focus on the initiatives, projects and solutions available on the market today and those that will be available in the future: electric boats, electric propulsion and engines, green solutions, etc.

ELECTRIC BOATS - A FAST GROWING OFFERING!

ON LAND - **ARMEN INITIATIVE** (29 - Audierne) offers solutions for sailing that is kinder to the maritime environment. Armen Initiative is committed to a new approach to a technological transition in the sailing world (leisure sailors and professionals) and offers effective, sustainable and environmentally-friendly services and boats. Thanks to an innovative **HDPE (High Density Polyethylene)** solution, Armen Initiative offers a 100% recyclable product that is able to withstand the marine environment without compromising on comfort, quality and strength. **Further information:** <https://armen-initiative.fr/a-propos/>

ON LAND and IN-WATER - **ECO CONCEPT MARINE - SEA'U Expérience** (72 - La Ferté-Bernard) Created by the French company Eco Concept Marine, specialising in electric boat engineering, SEA'U designs French boats that are 100% electric and 90% recyclable. No licence is necessary to sail the two boats in the SEA'U range, the **EcoKart** and the **JetBoat**. The EcoKart offers a completely original experience on the water thanks to its steering position inspired by the world of karting, its steering wheel and its two floaters which offer the trimaran astonishing stability. The JetBoat is a semi-rigid inflatable designed for up to 4 people. Further information: <https://www.ecoconceptmarine.com/>

IN-WATER - **IZIBOAT - ECOSY BOATING** (17 - La Rochelle) Great performances for this catamaran over 5 metres long which can be **folded** (62 cm wide when folded) **and towed by bicycle**. **ECOSY** represents easy, solidarity-based, sustainable and inter-generational sailing. **Assembled in 15 minutes** thanks to an ingenious push-fit and tension-lock system, it is controlled with a joystick and is accessible to children, adults, beginners, the elderly and PRM. The electric engine means that you can get home safely if needed, 4 people can sail on board and the ergonomic seat in the middle ensures the safety of children. Further information: <https://iziboat.com>

IN-WATER - **SOLARBOATS - LASAI (06 - Antibes)** **LASAI** solar-powered electric boats by LB Yachting blend into the environment. **LASAI's** 6.80-metre solar-powered electric boats blend into the environment. Free of waste, noise pollution and with digital energy management, they offer excellent sailing comfort. With their avant-garde design, the choice of materials and the components used, LASAI combines technological innovation and experience for sailing in coastal waters. They can reach speeds of up to 12 knots and enjoy 10 hours of autonomy. <https://lasai.com/fr/bateaux-electriques>

ON LAND and IN-WATER - **NAVIWATT SARL** (56 - Arzon) Naviwatt is a naval architecture firm, design office and shipyard. It designs all types of electric boats and is currently the reference in France in this field. From small tourist boats to passenger ships, barges, sailboats and catamarans, Naviwatt bases all its work on an eco-responsible policy and strives to minimise its environmental impact. The boat hulls are 100% recyclable and the propulsion systems do not emit any toxic products. The

company works to reduce gas and noise emissions on the water. The Zenpro 580 is a highly-functional fully electric semi-rigid inflatable that is light, strong, durable and easy to maintain. Naviwatt has developed an EFM app that helps you to optimise use and control consumption. Further information: <https://www.naviwatt.com/>

ON LAND and IN WATER - **NEOCEAN** (34 - Sète) is a deep tech company with multiple certifications produced by leading robotics and electronics laboratories at the University of Montpellier and is at the crossroads between green tech, digital technology and embedded systems. **Neocéan**: zero emissions, zero noise and zero wake thanks to the hydrofoils. Presented by the company, the **Overboat** is a compact, electric, automatic and ecological catamaran. Flight is possible for all and the Overboat's incomparable qualities on the water mean that it is suitable for a very wide audience: professionals looking for a boat that is easy to handle, quiet and wave-free; individuals wanting to enjoy an outing on the water and enjoy the unique sensation of flying silently above the water. The French start-up builds the Overboat in France to optimise quality, reliability and maintainability for professionals and the leisure sailing sector. Further information: <https://neocean.com/>

IN-WATER - **PINBALL BOAT SAS** (17 - Le Château-d'Oléron) Created in 2016, Pinball Boat is focused on electric propulsion and new uses in the leisure sailing sector. The Pinball is an electric/hybrid catamaran that combines the performance of an original electric propulsion system and the power of an inboard diesel engine. This "e-hybrid" propulsion system, developed and patented by Pinball Boat, opens up new possibilities for pleasure sailing. Electric mode offers all the advantages of 100% electric propulsion without any autonomy constraints, as well as amazing manoeuvrability. Further information: <https://www.pinball-boat.com/>

ON LAND and IN-WATER - **SAVIBOAT BY TECLA (16 - Genté)**, French manufacturer of electric leisure boats based in the heart of the River Charente region. With its products and concepts, as well as its experience and tools, Saviboat By Tecla offers boat owners the chance to turn their asset into a profitable business. Building on two designs, the Port Miniature, the Derby range and the Elite 5, Saviboat provides operating solutions for local authorities, private estates, hotels and tourist resorts, helping them to promote their rivers or lakes. Further information: <https://www.saviboat.fr/>

WHAT'S NEW IN ELECTRIC OUTBOARDS AND PROPULSION?

ON LAND - **MERCURY MARINE FRANCE (17 - La Rochelle)** Active in the electric market, it will be possible to discover the **Mercury® Avator™ 7.5^e** electric outboard at the show. It delivers clean, quiet power that's as simple to use as it is fun to drive. Available in tiller and remote steer models, it features a quick-connect battery and intuitive controls that make setup and operation a breeze. And with advanced displays and other technologies that monitor your battery level and range, users will be able to explore the water with confidence. A flat battery? Easy, just change it with one click! A revolutionary process proposed by this leading name in outboard motorisation. Further information: <https://www.mercurymarine.com>

ON LAND and IN-WATER - **ADV PROPULSE** - (33 - Mérignac) is the first company that succeeded in prototyping rotors based on the movement of a fish's tail by combining the oscillation of the blades with the rotation of the drum to create the very first biomimetic ship propulsion system. A mechanism that is the subject of five international patents. Their product, the **SmartSail 10**, the first trochoidal propeller marketed in the world, is a complete system combining the essential functions for responsible, stress-free leisure sailing: understated electric propulsion, green electricity production to cover on board needs, including on yachts with the most equipment, as well as easier manoeuvring. Further information: <https://adv-propulse.fr/>

ON LAND and IN-WATER - **ECOBOATS** (33 - Arcachon) specialises in marketing and remotorisation of boats equipped with ecological propulsion systems. These electric engines are effective, quiet, environmentally friendly and reliable. A solution that does not release emissions into the air or water, thus minimising global warming. ECOBOATS offers a complete range of boats with powerful and

efficient electric motors. A high-quality solution for all: Passengers can sail on seas or lakes in complete silence and take advantage of their immediate environment. Further information <https://ecoboats.eu/>

IN-WATER - **EPROPULSION** (34118 - Frontignan) *High-performance electric motors for a unique sailing experience.* EPROPULSION offers a range of outboard and inboard electric motors from 1 Kw to 100 Kw able to produce electricity under sail (hydrogenerator) for greater range and sustainability. Innovative and powerful, EPROPULSION engines are suitable for all types of sailing and a wide variety of boats, whether at sea or on inland waters. Environmentally friendly and silent, they are ideal for fishing trips, but above all they improve the pleasure and comfort of leisure boating in general. <https://www.epropulsion.fr/>

ON LAND - **HASWING** - (34 - Frontignan) *Electric outboard motors for sailing in harmony with nature.* HASWING offers a range of light and powerful electric outboards from 20 to 160 Lbs. Easy to transport and easy to install and use, these engines are perfect for a wide range of boats and can be used in fresh and salt water. Very popular among nature lovers for their low noise emissions, HASWING outboards offer the joy of silent sailing whether on a fishing trip or an excursion with family and friends.:<https://www.midif-online.com/moteurs-hors-bords-electriques-haswing>

ON LAND - **MOTION CONCEPT GROUP (33 - Lacanau)** is a French start-up dedicated to technological assistance in the field of water sports. It develops assistance solutions that respect the original sporting gesture and enhance it for more pleasure, emotions, comfort, duration or even performance in practice, with a marked desire for social and environmental responsibility. Kahe Surf is the first brand to benefit from Motion Core Technology, an intelligent electrical assistance system that increases the performance of boards. Further information: <https://motionconcept-group.com/>

IN-WATER - **TEMO** (44 - Nantes) produces a range of portable, easy-to-install electric motors for all types of small craft: dinghies, sailing boats, rowing boats. Portable, silent and powerful, with an interchangeable battery system, the TEMO-1000 electric outboard is the perfect environmentally-friendly propulsion method. Designed to fit large dinghies and/or small sailboats up to 8 metres long, this innovative and ergonomic engine makes it easy to take to the open seas. In addition to the TEMO 1000, the team will be presenting the TEMO 450. The award-winning TEMO 450 is a 5 kg tubular outboard motor with a built-in battery that can drive boats weighing up to 500 kg for 1 hour: ideal for small dinghies, rowing boats or dinghies. Test the 2 engines at their stand! Further information: <https://www.temofrance.com/>

ON LAND -**CRUZE** (33 - Lège-Cap-Ferret) **Cruze** is the official retailer for the Lift electric foil brand. Lift foil is a pioneer in the production of foils that has produced a great technological feat in over 10 years. At the cutting edge of innovation, **Lift e-Foil** is the only electric foil designed entirely in carbon and uses a latest-generation lithium-ion battery to power its silent electric motor. Not requiring any wind or waves, the e-Foil has transformed the world of board sports with unique sensations of gliding and flying and, according to them, with the added bonus of freedom that cannot be experienced in any other water sport! Further information: <https://www.cruze.fr>

IT'S POSSIBLE TO CONVERT YOUR COMBUSTION ENGINE TO ELECTRIC!

IN-WATER - **SYNAPSEO NAUTISME** (56 - Nivillac) Passionate about the sea and wishing to sail on boats that do not use fossil fuel and protect the environment and marine resources, Synapseo Nautisme has developed innovative electric engines. The aim is to convert boats to electric power with new inboards able to adapt and replace the diesel and petrol engines that already installed. KYWAT is optimised and configured for each boat. On the propeller shaft or the saildrive, this engine replaces the old engine on the original mount. Everything is included in the engine block. Further information: <https://www.synapseo-nautisme.com/>

ON LAND - **WEENAV** (59 - Bondues) is revolutionising sailing by transforming thermal boats into electric or hybrid versions that combine power and range, peace and quiet and zero CO2 emissions. Thanks to cutting-edge LIFEPO4 (Lithium Iron Phosphate) technology, our batteries not only ensure optimal safety, they also offer exceptional durability with 3,500 charge cycles, way ahead of the 1,200 cycles for conventional lithium-ion batteries. And for complete peace of mind at sea, our Safe Return to Base app, developed in collaboration with the European Space Agency, guarantees safe and responsible sailing with the help of satellite data. **Further information:** <https://www.weenav.com/technology>

EXTENDING A BOAT'S LIFESPAN

IN-WATER - **YUNIBOAT** - (44 - Batz sur mer) is a shipyard based in Le Pouliguen with mobile yards in Le Croisic, La Turballe, Pornichet and Piriac. With over 20 years of experience in this field, the Yuniboat team specialises in reconditioning boats as part of an eco-circular logic. Their leitmotiv is to extend the life of boats before they are scrapped, and favour the recycling of "second-hand" boats to avoid boats remaining unused in ports and marinas by offering them refitted for charter or sale. **Further information:** <https://www.yuniboat.com>

NEW IN BATTERIES AND CHARGERS

ON LAND - **AQUA SUPERPOWER** (London - England) is the first waterside network of fast-charging hubs for electric boats. At no cost to the host site, Aqua installs, operates and maintains a range of AC and DC charging solutions with a current maximum output of 150 kW, enabling DC-compatible electric boats to be recharged quickly and increase their range. Aqua superPower has developed the first supercharger designed and recognised for use in the marine environment. Further information: <https://www.aqua-superpower.com/>

ON LAND - **TAO PERFORMANCE** (76 - Rouen). Protection of lithium installations - The TAO EMS (Energy Management System) is a control and protection device for electrical installations. More than a simple BMS (Battery Management System), it monitors all systems, from chargers to consumer equipment. Whether the installation is new or existing, TAO EMS is easy to install and configure. Working in complete autonomy, it protects lithium batteries, coordinates charging and conversion equipment and ensures perfect control of the system as a whole. Combining performance and safety, TAO EMS increases energy autonomy, extends the lifespan of lithium batteries and ensures the safety of equipment and users alike.

ECOLOGICAL CAREENING AND EQUIPMENT

ON LAND - **G&G BOATWASH** - (13 - Velaux) is an exclusive distributor of drive-in ecological careening stations and solar-powered seawater desalination solutions for ports, marinas, shipyards, water sport associations and leisure and rental centres. Its products are based on a wish to protect the sea and natural resources and reduce the impact of water sport activities on the marine environment, whilst also offering solutions that ensure financial and practical advantages for port facilities and sailors alike. Careening: In 15 minutes, the hull is cleaned afloat, with no need for antifouling paint, 100% ecological for boats up to 53 feet (16m). Desalination: solar-powered production of fresh water for port requirements, without batteries! **Further information:** <https://www.ggboatwash.com>

ON LAND - **FINSULATE** (44 - Nantes) is a new-generation antifouling. Without exception, antifouling paints try to prevent the on-growth of mussels, algae and other organisms through the toxic substances they contain. Aside from chemical aspects and their environmental implications, the paints generally do not last long, and their antifouling effect is weakened whenever the ship lies still. Finsulate is a very special film developed to protect the hull, and it was developed using the very same principle as sea urchins: tiny spines on its surface insulate the hull from organisms that are unable to become attached to it. Finsulate comes in the form of an easy-to-apply, environmentally-friendly self-adhesive sheet and has a lifespan of at least 5 years. Further information: <https://www.finsulate.fr>

ON LAND - **PERIMETRE** (17 - Perigny) a company dedicated to building and public works professionals, AD NAUTIC is a special bonding agent for boats. It's a latest-generation, solvent-free, single-component hybrid MS-Polymer sealant formulated especially for the flexible bonding and sealing of all fittings on board a boat. **Further information:** <http://perimetre-batiment.com>

GREEN SOLUTIONS: FUEL, HAIR, etc.

ON LAND - **ASPEN France** - (91 - Brières les Scellés) Ecological fuels - The Aspen range of ready-to-use fuels for 2-stroke, 4-stroke and diesel engines is better for equipment, people and the environment. Made from Alkylate (2T/4T) or from almost 100% renewable sources (Diesel), the new-generation fuels will make starting easier, stay fresh for up to 5 years and offer improved performance, all that whilst also respecting the environment and protecting the user. Developed for small machines, these fuels will meet every need, whether for dinghies, outboards, sailboats, lawnmowers, chainsaws and even high-pressure thermal cleaners. Alkylate is now recommended as the ideal choice by more and more small engine makers. **Further information:** <https://www.aspenfrance.fr>

ON LAND - **ECOFHAIR** - (69 - Vénissieux) is a company specialising in depollution with recycled hair. ECOFHAIR is a company active in the development of the circular economy and in promoting depollution activities whilst also supporting and assisting professional integration. ECOFHAIR supports the objective of the Coiffeurs Justes association, set up in 2015 by Thierry Gras, which for the past 6 years has been raising awareness among hairdressing professionals about hair recycling and its ability to adsorb hydrocarbons. One kilo of hair absorbs 8 litres of hydrocarbons. Hair is hydrophilic, rot-resistant and strong. It can be washed and reused. **Further information:** <https://ecofhair.com/>

ON LAND - **TRANSFLUID** (38 - Rochetoirin) Founded in Milan (Italy) in 1957, Transfluid is a reference in the world of industrial transmission equipment. Transfluid has been producing marine electric propulsion and hybrid systems for over 10 years and has more than 3,200 boats in operation around the world. Present in the Professional Marine, Yachting and Leisure Boating markets, Transfluid and its Bellmarine brand are distributed worldwide. Transfluid also has five branches in Australia, China, France, Germany and the United States, a representative office in Brazil and 42 distributors worldwide. Bellmarine electric propulsion systems are particularly well suited to yachts, as they enable regeneration even with a folding propeller. Parallel hybrid systems ensure long-distance cruising, even on motorboats or boats with high service energy requirements.

Further information: <https://www.transfluid.eu/fr/>

ARCHITECTS AND DESIGN FIRMS

ON LAND - **E-NAV SYSTEMS** - (34 - La Grande Motte) is a design company that specialises in providing propulsion and green energy solutions for boats: electric and hybrid engines, hydro-generation, photovoltaic or wind power production. It equips different types of boats: pleasure or racing sailboats, motorboats, charter yachts, passenger boats, workboats, dinghies and design electric or hybrid motorisation solutions by choosing the best of the current technology in order to offer optimal navigation performances and comfort on board. E-NAV Systems is the agent in France for OCEANVOLT electric motorisation solutions, and will be presenting the new HP SERVOPROP 30 KW in 48 volts. **Further information:** <https://www.e-navsystems.com/>

ON LAND - **ORIA MARINE** - (75 - Paris) is a Naval tech subsidiary of the Zodiac Milpro group that works to decarbonise the maritime sector, whether leisure sailing, ports, water sports bases or maritime authorities. ORIA Marine collects data from boats using its ORIA Box units. The data is then analysed, translated into reports and actions to be taken in order to improve the operational and environmental

performance of professional fleets.

Further information <https://www.oria-marine.com>

ON LAND - STUDIO ENDEMIQUE (17 - Rochefort), a global design agency specialising in naval and industrial design. Founded in 2022, Studio Endémique is a global agency that designs, develops and supports innovative, socially and politically committed projects. Half-way between Industrial Design and Nava Design, the agency is fully invested in its local area and promotes local materials and know-how. The projects initiated by Studio Endémique question the impact of our water sport practices on the environment. The agency is currently developing a complete range of eco-designed water sport supports based on wood and local natural fibres. The SCOWPTI 7' sailing boat prototype presented prefigures the lines and characteristics of future boats in the range. Further information: www.studioendemique.com

REQUEST FOR INTERVIEWS: +33 (0)5 46 44 46 39 - PRESS SERVICE

What you need to remember...

Name: The Grand Pavois La Rochelle, the show for real fans! The venue:

Port des Minimes in La Rochelle

2023 dates: from **WEDNESDAY 20 TO MONDAY 25 SEPTEMBERER**, from 10am to

7pm Guest country of honour: South Africa

Number of visitors: 80,000 visitors expected

High-definition photographs, free of copyright: Press room [www.grand-](http://www.grand-pavois.com)

[pavois.com](http://www.grand-pavois.com) Further information: www.grand-pavois.com

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GRAND PAVOIS ORGANISATION, CREATOR AND ORGANISER OF WATER SPORT EVENTS!

GPO places its tailored expertise, know-how and unique experience in France and overseas at the service of water sports events. GPO has a real connection with the professional world of international water sports in view of its status as an association and its recognised expertise in the world of water sports events (ocean racing, corporate events, organisation of shows, etc.).

References: organiser of the international in-water boat show the "Grand Pavois La Rochelle" since 1973 (top five international in-water boat shows), "Les Nauticales" boat show in La Ciotat (France, from 2013 to 2021), Shenzhen China International Boat Show (China, from 2009 to 2011), Rallye des Iles du Soleil (since 2017), Défi Atlantique Guadeloupe Horta/La Rochelle (2019 and 2023), Class 40 World Championship (2010 and 2022), Transat 6,50 Charente-Maritime/Bahia (Mini Transat) from 2001 to 2011, Imoca60 Maître CoQ V (2022) and Yannick Bestaven's Class40 Le Conservateur (2014), François Gabart's Macif (2011)...

Further information: www.gpoevents.com

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