Energy Observer

Press Kit

June 2025

Summary

A word from the Founding President

More than ten years ago, we began building Energy Observer in Saint-Malo, driven by a simple yet radical intuition: we needed to invent a different future for the ocean.

Back then, we were just a small team, convinced that a vessel could be more than a means of transport — it could be a **laboratory**, a **demonstrator**, a **messenger**. Today, we are more than a hundred people involved in this adventure: sailors, engineers, researchers, communicators, pragmatic dreamers.

Together, we've built a true ecosystem around the energy transition:
→ EO Productions, founded in 2017 to tell and share the stories of this transition
→ Our endowment fund, launched in 2018 to support projects serving the public interest
→ EODev, created in 2019 to accelerate the industrialization of hydrogen solutions
→ EO Concept, launched in 2022 to design low-carbon vessels, such as our cargo ship EO2, which received an award from the European Innovation Fund in 2024

Energy Observer, a living, ever-evolving project, remains the foundation of this momentum: at the crossroads of **innovation**, **exploration**, and **storytelling**.

Since 2017, our floating laboratory has sailed over 68,000 nautical miles, explored 50 countries, and demonstrated that the transition is possible. Difficult, but possible. That solutions should not be opposed, but combined intelligently. That it's not enough to speak, we must prove. And above all: that we must never give up.

Today, we are embarking on a new expedition, a quest. Because the path to carbon neutrality is long, complex, and riddled with technical, political, and economic challenges.

Because it demands systemic solutions, discipline, courage, and a powerful collective spirit.
We've named it "A journey to carbon neutrality", because we know this goal is at once essential... possible, or nearly impossible?

This project grows year after year, fueled by the commitment of passionate individuals, the richness of diverse expertise, and the strength of the collective. It would be nothing without the trust of our partners, to whom I extend my sincere thanks for their continued support and loyalty.

Victorien Erussard
FOUNDING PRESIDENT

Our missions

Experimenting to Decarbonize the Maritime Sector

On board our floating laboratory, we develop and test innovative energy systems: hydrogen, renewable energies, wind propulsion, and alternative fuels. Each solution is evaluated under real-life conditions, with the goal of inspiring scalable, replicable models.

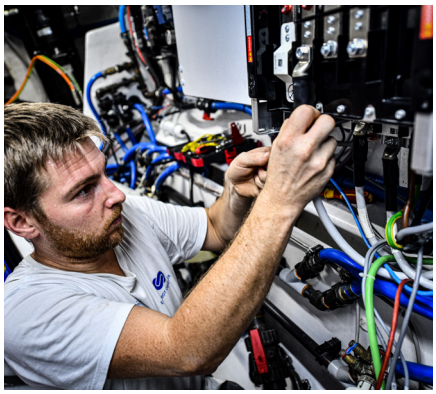
Decoding and Explaining Energy Challenges

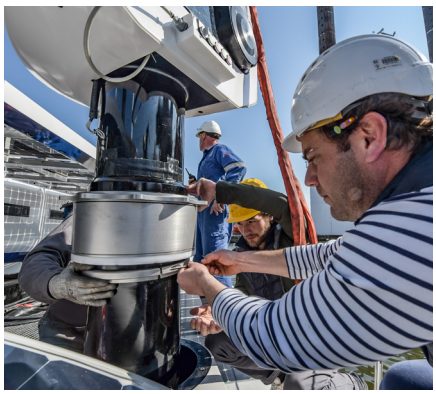
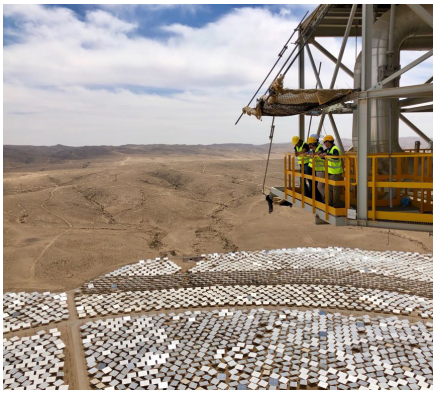
Our team produces educational and audiovisual content to make the challenges of the energy transition accessible to all: citizens, decision-makers, and businesses. We highlight the most promising innovations and the key players driving them forward.

Raising Awareness and Mobilizing for Carbon Neutrality

Through our expeditions, stopovers, advocacy efforts, and public engagements, we call for collective action to achieve carbon neutrality. Because time is running out, and everyone has a role to play.




Key Figures

The Energy Observer Odyssey (2017–2024)

A pioneering expedition, rich in lessons and encounters. For seven years, the EO1 vessel sailed across the world's oceans to test low-carbon technologies in real-world conditions and carry a message of energy transition to communities around the globe.
From this odyssey emerged not only powerful numbers, but above all a unique experience: that of a moving demonstrator, grounded in the realities of the field, paving the way for a new and even more ambitious phase.

+ 68 000 nautical miles covered | **50** countries | **101** stopovers | **+ 350 000** visitors around the exhibition villages | **13** documentaries

+ 500 reports | **100** web-series episodes | **200** articles | **50 000** photos | **400** associates | **50** partners

From EO1 to EO3: From the Odyssey to the New Expedition

2013

Birth of the Energy Observer project

2015

Start of EO1 shipbuilding in Saint-Malo

april 14, 2017

Launch of EO1 and the beginning of the 2017–2024 Odysse

may 24, 2021

The Eiffel Tower is illuminated with EODev's first GEH2 during the "Paris de l'hydrogène" event

february 23, 2022

Announcement of EO2: a zero-emission cargo ship powered by liquid hydrogen, developed by EO Concept

june 14, 2024

EO1 returns to Saint-Malo: the founding Odyssey of Energy Observer comes to a close

june 6, 2024

Launch of the Expedition 2025–2033 "A journey to carbon neutrality" in Nice, during the United Nations Ocean Conference (UNOC3)

2027

EO3 enters into service: a new laboratory vessel takes over from EO1 to carry the mission forward

Expedition 2025—2033 : *A journey to carbon neutrality*

Energy Observer launches a new expedition "A journey to carbon neutrality."
Nine years to experiment, decode, and raise awareness. Nine years to help accelerate the energy transition and explore what it takes to build a carbon-neutral world.
This expedition will unfold through **major thematic missions** carried out across the globe.
Each mission will focus on a key lever of transformation, tied to **today's energy**, **environmental**, **geopolitical**, and **technological challenges**.

A Systemic Exploration

While carbon neutrality is our ultimate goal, it cannot be achieved without a comprehensive approach. The expedition will also address closely interconnected issues: **ecosystem resilience**, **biodiversity**, **circularity**, **sufficiency**, **and equitable access to resources and technologies**.

A New Vessel for New Challenges

In **2027**, the **EO3** vessel will take over from EO1.
A next-generation floating laboratory, it will be equipped with an innovative energy system designed to test tomorrow's solutions in real-world conditions.
Energy Observer sets sail again, with the **experience of the past**, the **technologies of today**, and the **ambition to transform tomorrow**.

EO1 paved the way. EO3 is ready to push the limits.

The demonstration continues.

MISSION 1 · 2025-2026 Europe & North Atlantic

Carbon capture

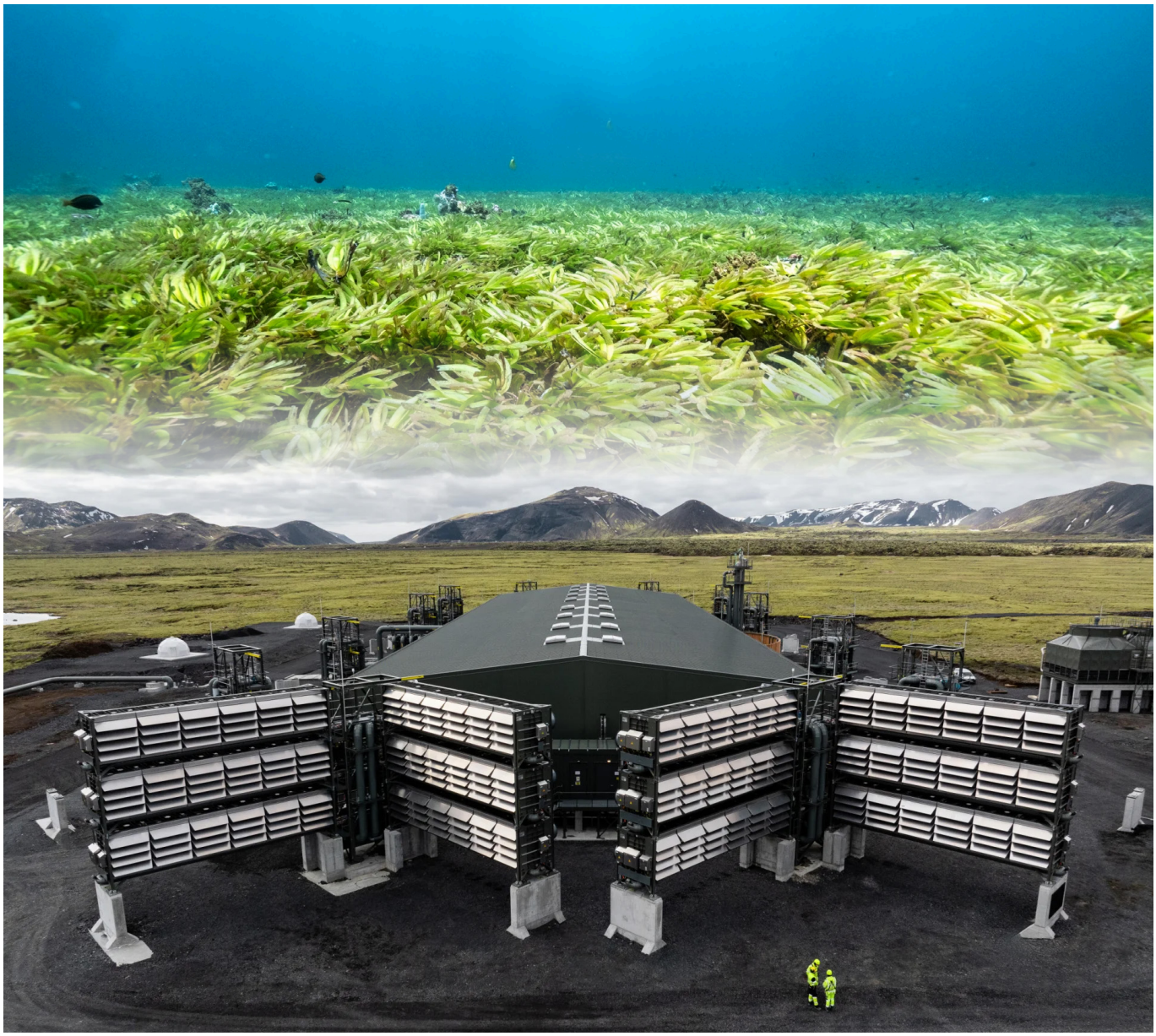
Back to the field, Capturing what matters

Energy Observer's new expedition begins with a foundational mission: exploring carbon capture, storage, and valorization approaches, and questioning their relevance on a large scale.

In Europe and the North Atlantic, EO1 will seek out the most advanced projects, both natural and industrial, to document atmospheric CO_2 reduction strategies — and the limitations of each model.

FROM NATURAL SOLUTIONS…
From forests to wetlands, from seagrass meadows to regenerative agriculture systems, this mission will shed light on the often-overlooked but vital role of biological carbon sinks.
EO1 will observe how they function, how fragile they are, and what potential they hold in an increasingly stressed climate.

…TO EMERGING INDUSTRIAL SOLUTIONS
The vessel will also stop where industrial players are testing CO_2 capture and conversion technologies: mineralization, geological storage, and reuse in materials or synthetic fuels.



MISSION 1 · 2025-2026 Europe & North Atlantic

Carbon capture

AN INAUGURAL MISSION AT THE HEART OF THE CHALLENGE

This first mission embodies the spirit of the expedition: **going into the field, connecting disciplines, and sharing knowledge.**

In the face of the climate emergency, it's time to ask the right questions, and to answer them with rigor, at sea and on land.

2025

SAINT-MALO (FRANCE)
NICE (FRANCE)
MARSEILLE (FRANCE)
MONACO (MONACO)
GENOA (ITALY)
NAPLES (ITALY)
STROMBOLI (SICILY, ITALY)
ATHENS (GREECE)
SFAX (TUNISIA)
CAGLIARI (SARDINIA, ITALY)
PORT MAHON (SPAIN)
BARCELONA (SPAIN)
PORT-LA-NOUVELLE (FRANCE)

2026

TANGIER (MOROCCO)
PORTO (PORTUGAL)
BREST (FRANCE)
DUNKERQUE (FRANCE)
ANTWERP (BELGIUM)
ROTTERDAM (NETHERLANDS)
HAMBURG (GERMANY)
COPENHAGEN (DENMARK)
OSLO (NORWAY)
BERGEN (NORWAY)
REYKJAVIK (ICELAND)
LIVERPOOL (ENGLAND)
DUBLIN (IRELAND)
LONDON (ENGLAND)
SAINT-MALO (FRANCE)

MISSION 2 · 2027 Europe, South Atlantic & Mediterranean

Sustainable Mobility

MOBILITY AND CLIMATE: A NECESSARY TRANSITION

Mobility lies at the crossroads of climate, economic, and social challenges.
How can we reconcile the freedom to move with carbon neutrality?
In 2027, this mission will explore possible pathways, technological, industrial, and territorial, to help build transport systems that are more efficient, more equitable, and more resilient.

DIVERSITY OF USES, DIVERSITY OF SOLUTIONS

Energy Observer will meet the pioneers shaping the mobility of tomorrow: hydrogen, batteries, e-fuels, as well as advanced biofuels, magnetic levitation, inductive charging, and compressed air.
EO1 will document how these solutions can complement one another, depending on use cases, short distances, heavy-duty, long-range, and the real-world conditions of their deployment.

MISSION 3 · 2028 North America, East Coast and great lakes region

Artificial intelligence and the energy transition

AI: TECHNOLOGICAL PROMISE OR ECOLOGICAL DEAD END?

As AI rapidly expands across all sectors, a pressing question arises: how do we distinguish energy-intensive, superficial uses from high-value applications that truly serve society?
Certain fields such as healthcare, climate, energy grid optimization, mobility management, and precision agriculture are betting on AI to tackle major challenges.
Yet the same technology raises concerns: electricity consumption of data centers, cooling demands, water use, and reliance on critical resources.

AN INVESTIGATION INTO USES AND IMPACTS

In 2028, EO3 will take over from EO1 and lead an investigation in North America:
How can AI help make our systems more efficient?
What ecological limits does it face at scale? Can we turn it into a meaningful lever, without suffering its consequences?

MISSION 4 · 2029 Africa

Strategic Materials & Circular Economy

BEHIND EVERY TECHNOLOGY, PRECIOUS RESOURCES

Whether it's powering the energy transition, running AI servers, manufacturing batteries, smartphones, electric vehicles, or military components, our dependence on strategic materials keeps growing. Lithium, cobalt, copper, nickel, rare earth elements, platinum, tungsten, uranium... These resources are essential, yet unevenly distributed, and their extraction raises major environmental, social, and geopolitical concerns.

TOWARD MORE CIRCULAR AND RESILIENT MODELS

In 2029, EO3 will carry out a field investigation along the African coasts, meeting resource-producing regions, impacted communities, and local initiatives exploring alternative paths:

→ Component recycling
→ Development of local supply chains
→ Usage optimization
→ Reducing dependency through innovation

This mission will also question the ability of industrialized countries to adopt strategies of sufficiency and take responsibility for the true cost of their technologies.

MISSION 5 · 2030–2031 Middle East – India – Asia – Oceania

Fossil, Renewable & Nuclear Energies

THREE ENERGY WORLDS, ONE SHARED FUTURE

Oil, gas, and coal still dominate the global energy landscape.
Yet massive alternatives are emerging everywhere: solar farms in the Gulf, low-carbon hydrogen in Asia, rapidly developing nuclear microreactors.
This mission will offer a geopolitical and technological investigation of the energy transition in strategic regions, where fossil fuel legacies coexist with renewable innovations and atomic ambitions.

UNDERSTANDING BALANCES, ANTICIPATING TENSIONS

From NEOM (Saudi Arabia) to Tokyo, via Mumbai, Seoul, and Sydney, EO3 will meet the architects behind these new energy strategies.

OBJECTIVES :

→ Understand how these global powers reconcile energy sovereignty with carbon neutrality
→ Observe flagship projects in solar, wind, hydrogen, advanced fission, and experimental fusion
→ Decode international power dynamics surrounding the control of resources, technologies, and energy networks

MISSION 6 · 2032 South America & Antarctic Peninsula

Water: Access to a Vital Resource

A RESOURCE UNDER PRESSURE, A GLOBAL CHALLENGE
Freshwater is essential to life, yet increasingly at risk. Climate change, industrial pollution, and agricultural overexploitation are intensifying pressure on this critical resource, deepening access inequalities and threatening environmental balance.
In 2032, Energy Observer will carry out an investigation in South America, around the Guarani Aquifer, and as far as Antarctica, where the accelerated melting of glaciers is disrupting the global water cycle.

BETTER MANAGEMENT, BETTER PRESERVATION
This mission will document local initiatives and global solutions to:
→ Optimize water use in agriculture and industry
→ Reduce emissions from irrigation and treatment processes
→ Ensure equitable access to safe drinking water
→ Adapt urban water systems to new climate realities
→ Minimize environmental impacts through circular and energy-efficient innovations

MISSION 7 · 2033 Arctic - International Polar Year

Arctic World Tour: Climate Change Adaptation & Resilience

A SCIENTIFIC, HUMAN, AND POLITICAL ODYSSEY
The Arctic is both a stark indicator of climate disruption and a highly strategic geopolitical zone.
In 2033, during the International Polar Year, EO3 will undertake an unprecedented polar circumnavigation with a clear ambition: to document the ongoing transformations and explore possible responses.

A MULTIDISCIPLINARY CREW FOR A UNIQUE MISSION
On board: an IPCC climatologist, oceanographer, polar ecosystem expert, geopolitical analyst, economist, philosopher, sociologist, artist, and an experienced ice captain.
Together, they will study adaptation strategies, social innovations, sustainable economic models, and the rising tensions over natural resources.
This journey will also serve as a moment to reflect on the eight years of previous expeditions, drawing upon the lessons, stories, and projects encountered around the world.

EO3 The new expedition laboratory vessel

An agile demonstrator to explore synthetic fuels and hybrid use cases

DESIGN & APPLICATIONS

The maritime energy transition won't follow a single path. EO3 will explore the complementarity of low-carbon solutions (synthetic fuels, onboard renewable energies, and innovative propulsion systems) and test how they adapt to real-world maritime use, over time and at sea.

A true next-generation laboratory vessel, EO3 will operate with no direct greenhouse gas (GHG) emissions, thanks to a groundbreaking energy system centered around ammonia, used as a hydrogen carrier.

It will feature an ammonia cracker, two types of fuel cells (PEM and SOFC), a 100% ammonia engine with NOx aftertreatment, batteries, automated wind propulsion wings, and a fully integrated solar surface equipped with high-efficiency photovoltaic cells across the entire superstructure.

This hybrid system will enable real-life testing of different energy production and conversion scenarios, notably comparing the performance and operational behavior of fuel cells versus direct ammonia combustion.

But EO3 will be more than just a technological platform.

It will also serve as a space for scientific experimentation, audiovisual creation, educational outreach, and the hosting of events.

Designed to welcome engineers, researchers, artists, and decision-makers, it will act as a mobile and open platform dedicated to collective intelligence.

EO3 embodies a core belief: in the face of a complex transition, we must test, connect, and share.

EO3, THE NEW EXPEDITION LABORATORY VESSEL

Technical Specifications

Length: 30 m

Width: 12 m

Air draught: 19 m

Draught: 2,1 m

Displacement: 125 tons

Target speed: 8 knots

Crew: 6 people

Capacity: 12 passengers at sea

Scheduled commissioning: 2027

Energy System

Propulsion : Electric – 2 × 85 kW

Batteries : 248 kWh

NH_3 Storage: 7,5 t of ammonia

Energy equivalent: ≈ 4 t of diesel → 39 MWh

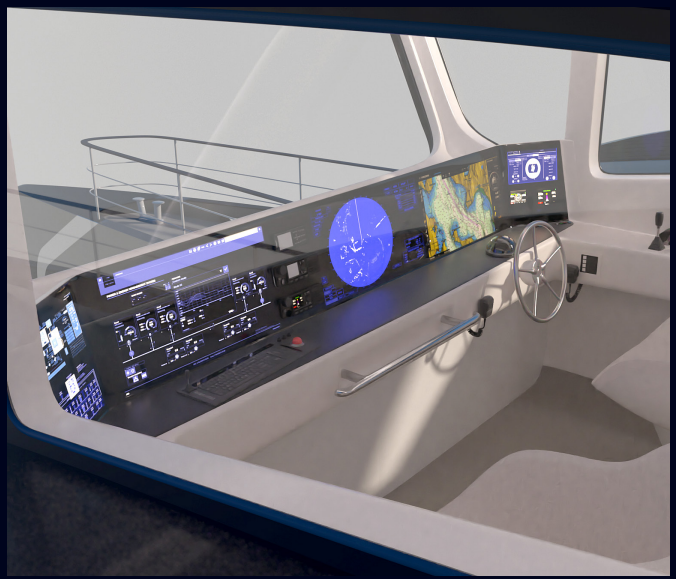
Energy chain

→ Ammonia cracker
→ Fuel cell: PEM – 70 kW – 60 °C
→ Fuel cell: SOFC – 15 kW – 700 °C
→ NH_3 internal combustion engine

Solar panels: 180 m² – 32 kWc

Wind propulsion wings: 4 Oceanwings

Oceanic range



EO3, THE NEW EXPEDITION LABORATORY VESSEL

Why Choose Ammonia?

Ammonia is emerging as a promising energy vector for the shipping industry. It contains no carbon, meaning it emits no CO_2 during use. It can be used directly as a fuel or converted onboard to produce hydrogen. EO3 will explore both pathways: direct ammonia combustion to power a 100% NH_3 engine with NOx (nitrogen oxides, primarily NO and NO_2) aftertreatment, and ammonia cracking to produce hydrogen for fuel cells (PEM and SOFC).
EO3 will systematically test and compare the performance and operational behavior of these two methods in real-world conditions. Special attention will be paid to managing NOx emissions, which remain the main challenge of direct ammonia use.

Ammonia also offers logistical advantages: as a liquid at –33°C, it is easier to store than liquid hydrogen (–253°C) and has a higher volumetric energy density. It can be produced from hydrogen and nitrogen (which makes up 78% of the air), making it a potentially competitive alternative to CO_2-based synthetic fuels.

But this molecule also raises legitimate questions: toxicity, safety, public acceptance, regulatory frameworks, and secondary emissions. EO3 will be specifically designed to observe, experiment, collect data, and contribute to a deeper understanding of both the benefits and the limitations of its use. Moreover, the vessel will play a role in shaping and refining regulatory frameworks by serving as a real-world demonstrator flying the French flag.

The goal is not to impose a single solution, but to test multiple pathways in real, constrained environments. Batteries, biofuels, hydrogen, synthetic fuels like methanol or ammonia — the maritime transition must rely on complementary solutions, tailored to specific uses and routes.

EO3 will be a pioneering vessel, a professional demonstrator in service of an open, rigorous, and evolving vision of innovation.

A Collective Adventure Made Possible by Committed Partners

The Expedition 2025–2033 "A journey to carbon neutrality) and the development of the EO3 vessel would not have come to life without the support of dedicated partners who share our determination to take action in the face of the climate emergency.

These partners bring together a wide range of expertise: engineering, research, industry, mobility, tourism, agrifood, transition financing, territorial innovation, and science communication.
Their support takes many forms: official partnerships, financial contributions, technical assistance, institutional backing, logistical support, educational engagement, and media outreach.

During the first Odyssey, more than 50 partners supported Energy Observer around the world, contributing funding, technologies, expertise, and networks. Each played a vital role in making this adventure a truly unique collective endeavor.

Today, a new wave of partnership is underway. We are already halfway there: we've reconnected with long-standing allies and welcomed new supporters. This momentum will continue to grow in 2026 and 2027, as EO3 is launched and its international missions accelerate.

First official partners involved

ACCOR | DELANCHY | Qair | NATIXIS CRÉDIT MARITIME | ROULLIER | TOYOTA | CHART

Official committed supporter

socomec Innovative Power Solutions

Official suppliers

Rockwell Automation I Solbian

Approved service providers

Laurent Perrier I Mapalga I Smeg

OUR OFFICIALS PARTNERS

Accor is a global leader in hospitality, offering stays and experiences in more than 110 countries, with over 5,600 hotels, 10,000 restaurants and bars, as well as wellness and coworking spaces. The Group operates one of the most diverse ecosystems in the industry, with more than 45 brands from luxury to economy, and ALL Accor, its booking platform and loyalty program.

Accor is committed to concrete actions in sustainable development and social engagement, illustrated for example by its partnership with Energy Observer since 2017 to innovate new sustainable solutions for the hospitality sector.

“ Accor has been committed to taking concrete action on sustainable development issues since its inception and has been working alongside Energy Observer since its first expedition in 2017 on energy transition issues in order to support the industry on the path to sustainable hospitality.

The Group also supports EODev, Energy Observer's development branch, in exploring technologies that will enable the development of innovative energy solutions for the hotel of the future. Building on the success of this first expedition, we are delighted to accompany Victorien Erussard and his team on the next stage of Energy Observer's adventure, dedicated to carbon neutrality. Accor was the first hotel group to commit to a Net Zero target in March 2021. Learning from pioneering partners, innovating, and imagining new concrete solutions for the hotel industry are all part of this partnership based on shared values. Since 2024, Accor's purpose has been “As pioneers of responsible hospitality, we bring cultures together with passion and generosity.” Like Energy Observer, Accor is made up of responsible explorers who are masters in the art of hospitality and building relationships, with respect for communities, people, and the planet at the heart of its strategy. ”

Sébastien Bazin, Chairman and CEO of Accor

Transport BY DELANCHY®

DELANCHY, a European specialist in temperature-controlled transport and logistics, has been on board with Energy Observer since the launch of the project in 2017.
For the Group, this partnership reflects a strong commitment to driving the energy transition in the transport and logistics sector. It aligns seamlessly with the sustainable development approach defined in its CSR program.

DELANCHY is actively exploring technologies and innovations in the field, both on its vehicles and within its refrigerated platforms. The Group is building its own “energy mix” by operating trucks that meet the latest standards, deploying 100% electric refrigerated trucks in urban areas, using biofuels, and running vehicles powered by gas and biogas. Hydrogen, currently under testing, is seen as the energy of the future for heavy-duty transport.

Its branches are equipped with modern buildings that meet HQE or THQE standards. Producing and self-consuming green electricity through solar panels is becoming a standard feature in new constructions, increasing the share of clean energy while reducing CO_2 emissions.

“ *Our philosophy, to be drivers of change rather than waiting for it to be imposed on us. The transition is underway, Energy Observer inspires us!* ”

Brigitte Delanchy – President of the DELANCHY Group

OUR OFFICIALS PARTNERS

Qair

Qair is an independent renewable energy company developing, financing, building, and operating solar, onshore and offshore wind, hydroelectric, tidal energy, waste-to-energy, battery storage and green hydrogen production. With 1.7 GW of capacity in operation or construction, the group's 780 employees are developing a portfolio pipeline of 34 GW in 20 countries across Europe, Latin America and Africa. Our ambition is to become an independent leader in responsible energy.
More information on qair.energy

QAIR AND INNOVATION

As a forerunner in renewable energies, Qair develops innovative projects and positions itself as a pioneer in sectors such as floating wind power with 30 MW pilot farm Eolmed, tidal power with FloWatt and green hydrogen with Hyd'Occ, France's, which will become the largest renewable production unit in France.

> *We are very proud to be associated with the extraordinary Odyssey of Energy Observer. Under the leadership of Victorien Erussard and his remarkable crew, this pioneering vessel has embarked on the ambitious challenge of demonstrating the effectiveness of a 100% renewable energy mix in real-world conditions, offering a concrete vision of a sustainable future powered by clean energy sources.*

Louis Blanchard, Qair CEO

NATIXIS

Natixis Corporate & Investment Banking is a leading global financial institution that provides advisory, investment banking, financing, corporate banking and capital markets services to corporations, financial institutions, financial sponsors and sovereign and supranational organizations worldwide.

Our teams of experts in close to 30 countries advise clients on their strategic development, helping them to grow and transform their businesses, and maximize their positive impact. Natixis CIB is committed to aligning its financing portfolio with a carbon neutrality path by 2050 while helping its clients reduce the environmental impact of their business.

As part of Groupe BPCE, the second largest banking group in France through the Banque Populaire and Caisse d'Epargne retail networks, Natixis CIB benefits from the Group's financial strength and solid financial ratings (Standard & Poor's: A+, Moody's: A1, Fitch Ratings: A+,R&I: A+).

> *Our partnership with Energy Observer symbolizes our commitment to innovate for a sustainable future. Together, we will explore new frontiers in renewable energy and inspire solutions that can transform our future. We are proud to be part of this inspiring project.*

Mohamed Kallala, Natixis CEO

OUR OFFICIALS PARTNERS

Thanks to its 10,300 employees, 75% of whom work internationally, Groupe Roullier achieves a consolidated turnover of €2.8bn.

Its diverse range of activities (soil, plant and animal nutrition, food industry) centred around human needs, demonstrate the openness of a Group in touch with the issues of the future.

With 109 industrial units around the world, it is a Group which is always on the move, which sees innovation and continuous improvement as an ongoing challenge and which gives its five activities (TIMAC AGRO, Phosphea, Magnesium, Paticeo and Packaging) complete autonomy and freedom to test and move forward.

Doing better, doing differently, exploring possibilities – that is how Groupe Roullier acts.

“Our partnership with Energy Observer fully reflects the Roullier Group’s commitment: innovating to take concrete action for the environment. We are actively working to reduce our carbon footprint, improve our practices, and integrate environmentally friendly solutions across all our activities.”

Jorge BOUCAS, Group CEO

TOYOTA

Toyota believes that when people are free to move, anything is possible. In the pursuit of "Mobility for All", Toyota aims to create safer, more connected, inclusive and sustainable mobility to achieve its mission of producing “Happiness for All”. In Europe, TME launched the KINTO mobility brand which offers a range of mobility services in 20 countries, and is growing its business-to-business sales of zero-emission fuel cell products and engineering support. Contributing to the UN Sustainable Development Goals, Toyota is working to achieve carbon neutrality in its entire business across Europe. A historic leader in CO2 reduction in Europe, TME aims to achieve 100% CO2 reduction in all new vehicles in Western Europe by 2035 and will continue to offer a full range of electrified powertrains to customers across the region with its hybrid, plug-in hybrid, battery and fuel cell electric vehicles.

Toyota views hydrogen as one of the key building blocks towards carbon neutrality, using fuel celltechnology for mobility and in the wider economy beyond transport. Toyota’s advanced fuel celltechnology is already integrated into passenger cars, buses, trucks, trains, marine and stationary applications for a range of business customers and other OEMs. To meet growing demand in the region, TME started producing its 2nd generation compact fuel cell modules in Europe in January 2022. In terms of infrastructure, Toyota's long-term vision is to establish 700bar as a standard for fuelcell electric vehicles and products.

We are proud to support the next chapter of the Energy Observer Odyssey. Just as Toyota Fuel Cell System powered the first Energy Observer laboratory vessel, it will once again generate clean electricity aboard the new Energy Observer 3 vessel. At Toyota, we believe that achieving carbon neutrality requires a multi-pathway approach - one that leverages diverse energy sources and complementary technologies. In this next phase, our fuel cell system will be part of an extended green energy chain, showcasing innovative solutions for decarbonising marine propulsion and onboard power generation. Bold exploration and collaboration are essential, and our continued partnership with Energy Observer reflects Toyota’s deep commitment to sustainable innovation and a carbon-neutral future across all forms of mobility.

“We are proud to support the next chapter of the Energy Observer Odyssey. Just as Toyota Fuel Cell System powered the first Energy Observer laboratory vessel, it will once again generate clean electricity aboard the new Energy Observer 3 vessel. At Toyota, we believe that achieving carbon neutrality requires a multipathway approach - one that leverages diverse energy sources and complementary technologies. In this next phase, our fuel cell system will be part of an extended green energy chain, showcasing innovative solutions for decarbonising marine propulsion and onboard power generation. Bold exploration and collaboration are essential, and our continued partnership with Energy Observer reflects Toyota’s deep commitment to sustainable innovation and a carbon-neutral future across all forms of mobility.”

Yoshihiro Nakata, President and CEO Toyota Motor Europe

OUR OFFICIALS PARTNERS

Chart Industries, Inc. is a global leader in the design, engineering, and manufacturing of process technologies and equipment for gas and liquid molecule handling for the Nexus of Clean™ - clean power, clean water, clean food, and clean industrials, regardless of molecule. The company's unique product and solution portfolio across stationary and rotating equipment is used in every phase of the liquid gas supply chain, including engineering, service and repair and from installation to preventive maintenance and digital monitoring. Chart is a leading provider of technology, equipment and services related to liquefied natural gas, hydrogen, biogas and CO2 capture amongst other applications. Chart is committed to excellence in environmental, social and corporate governance issues both for its company as well as its customers.

With 64 global manufacturing locations and over 50 service centers from the United States to Asia, Australia, India, Europe and South America, the company maintains accountability and transparency to its team members, suppliers, customers and communities.
To learn more, visit www.chartindustries.com.

Our continued partnership with Energy Observer reflects a shared vision for delivering real, scalable impact – bridging innovative technology with tangible solutions across the Nexus of Clean™ - clean power, water, food and industrials.

Jill Evanko,
Présidente et Directrice Générale de Chart Industries.

NOTRE SUPPORTEUR OFFICIEL

Since 1906, Crédit Maritime has been the bank of those who value the sea. Historically present in the fishing and marine farming sectors, Crédit Maritime also supports the blue economy in its development challenges and transition.

In 2024, Crédit Maritime fallocated over €150 million in funding to maritime activities. Concurrently, €35 million was invested in five dedicated funds, including our MER INVEST fund, supporting nearly 30 emblematic local companies.

Because the sea is our heritage and our future, Crédit Maritime is committed to research and innovation with the Ocean Innovation Trophies, to decarbonizing transport (as a signatory of the velic pact), to preserving our maritime heritage through our Foundation and to protecting the oceans (founding member of the Vendée Globe Foundation).

Crédit Maritime: the sea unifies us.

A partner for over a century to maritime stakeholders, Crédit Maritime is the leading cooperative bank in the maritime world. Every day, our advisors and experts support entrepreneurs, researchers, and associations who work tirelessly for the development, promotion, and preservation of this essential yet fragile environment.

We are happy and very proud to stand alongside Victorien ERUSSARD and his crew as we embark with them on the new and ambitious project of Energy Observer !

Benoit CATEL, CEO

The Energy Observer Ecosystem

Energy Observer SAS

Energy Observer SAS is the parent company of our group and the originator of the first laboratory vessel dedicated to the energy transition. Since 2017, it has been driving innovation, R&D, and awareness projects, coordinating the group's entities around a shared vision: accelerating the energy transition and promoting concrete solutions.

Energy Observer Endowment Fund

Created in 2018, the Energy Observer Endowment Fund supports initiatives of general interest related to the energy transition. It develops educational, awareness-raising, and support programs with the ambition to inspire and engage the public in building a more sustainable future—respectful of the climate and natural resources.

EOProd

EO Productions is the group's audiovisual branch, dedicated to creating compelling stories about the energy and environmental transition. With expertise honed through multiple expeditions, it produces content for the web, television, and social media to inform, inspire, and foster collective awareness.

The Energy Observer Ecosystem

EOConcept

EO Concept is an engineering office specialized in low-carbon naval and port architecture. It supports the design of zero-emission vessels in synergy with EODev's industrial activities. EO Concept is notably behind the Energy Observer 2 (EO2) project, a 160-meter hydrogen-powered feeder vessel equipped with liquid hydrogen and fuel cells.

EODev

EODev is the industrial arm of the Energy Observer group. It designs and markets zero-emission hydrogen-based power generation solutions. Its range includes GEH2® generators for land and maritime applications, as well as the REXH2®, a hydrogen-powered range extender for vessels. EODev is now a recognized leader in hydrogen energy solutions.

The Expedition 2025–2033 team

A renewed expertise and a new crew for a new adventure

The Expedition 2025–2033 builds on the experienced 2024 team, which successfully met the challenges of the first Odyssey. This strong core, now reinforced with new talent, ensures the continuity, precision, and innovation needed for this extraordinary project.

DIRECTION

- **Victorien Erussard**
  Founder & President
- **Bénédicte Gallon**
  Deputy CEO

ADMINISTRATION ET FINANCE

- **Manuela Rouault**
  Chief Administrative and Financial Officer

COMMUNICATION ET RELATIONS

- **Fabienne Calimas**
  Head of Productions
- **Nolwenn Guenan**
  360° Communication manager

ÉQUIPE EMBARQUÉE

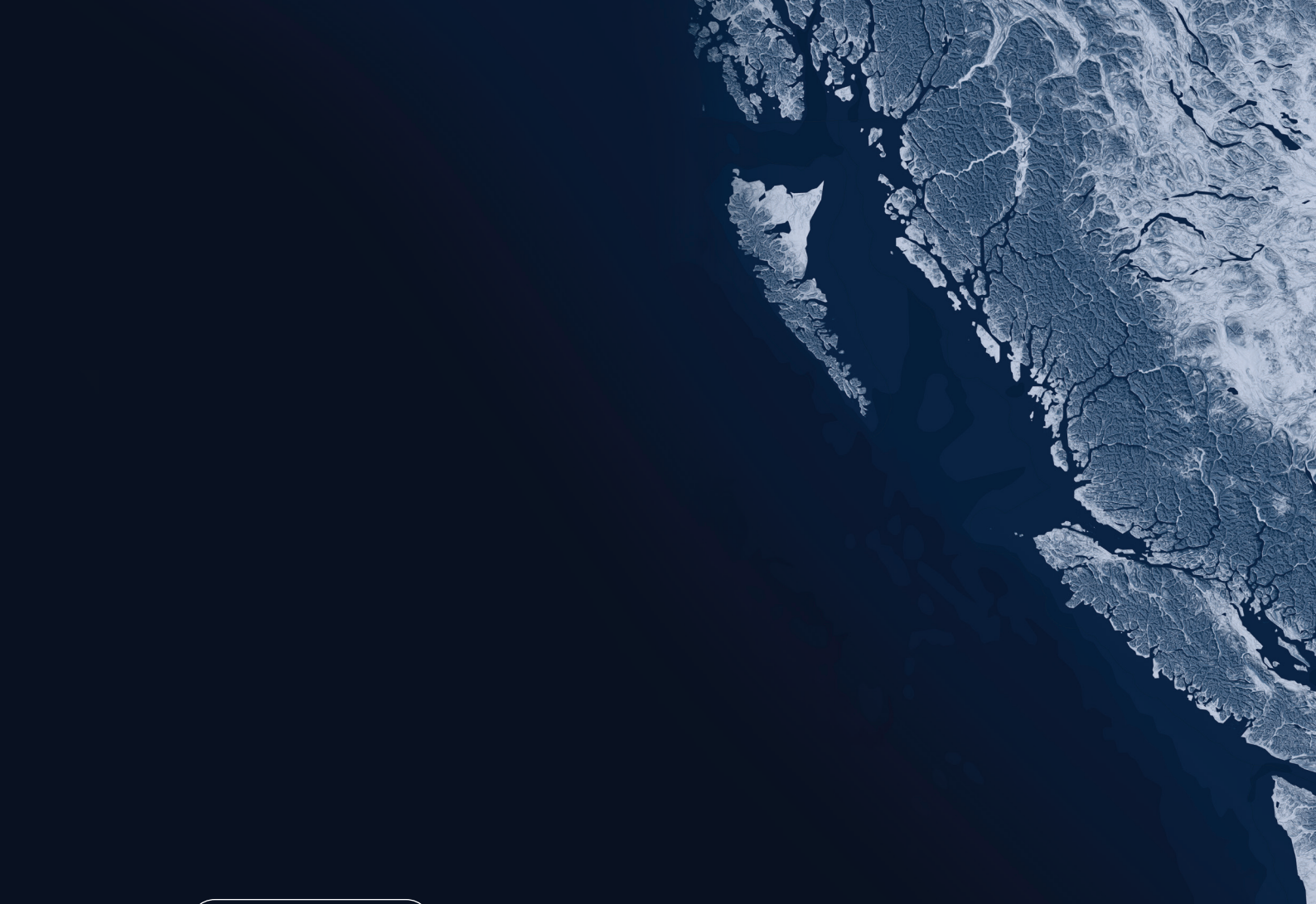
- **Marin Jarry**
  Captain & Fleet Director
- **Jean-Baptiste Sanchez**
  Captain & Technical Manager
- **George Conty**
  Boatswain
- **Guillaume Jouvance**
  Boatswain
- **Vincent Reynaud**
  PhD – Systems Engineer
- **Eva Louvel**
  Engineering Intern

L'ÉQUIPE TECHNIQUE

- **Didier Bouix**
  CEO & CTO, EO Concept
- **Nicolas Berthelot**
  Naval Architect
- **Timothée Drugeot**
  PhD - Energy Systems & Hydrogen Engineer
- **Sébastien Germe**
  R&D Engineer – SOFC & Hydrogen Systems
- **Alexandre Carlo**
  Structural & Composites Engineer
- **Yoan Fauvel**
  PhD – Computer Science, Mathematics & AI Engineer
- **Paul Menestreau**
  Engineering Intern Alternative Fuels

A NEW EDITORIAL AND EDUCATIONAL TEAM

A team of editors-in-chief, science journalists specializing in energy, educational engineers, and museum curators will accompany the expedition. They will produce high-quality, accessible, and engaging content for the general public, while highlighting the scientific discoveries and energy innovations made during the expedition.



Press contact

→ **KALAMARI**
Lucille Lavigne / Rémi Brossard
energyobserver@kalamari.agency
+33 6 98 62 07 92

→ **ENERGY OBSERVER**
Fabienne Calimas
+33 6 72 71 89 25
media@energy-observer.org

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