



Communiqué de presse - Energy Observer in Fortaleza from November 16 to 24 for an exceptional stopover in Brazil

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The laboratory vessel of the energy transition continues her Odyssey with a stopover in Fortaleza, Brazil, from November 16 to 24. This Latin American stopover, the 83rd of her round-the-world Odyssey, concludes the vessel's second transatlantic crossing. This period will be rythmed by the active involvement of Energy Observer's partners and the production of original film sequences dedicated to the energy transition in Brazil.

With a population of almost 215 million, Brazil is the world's ninth-largest energy consumer. Nearly half of its primary energy demand is met by renewable energies, notably hydroelectric, bioenergy, wind, and solar power, which make up around 80% of its electricity mix, making its energy sector one of the most diversified and least

carbon-intensive on the planet.

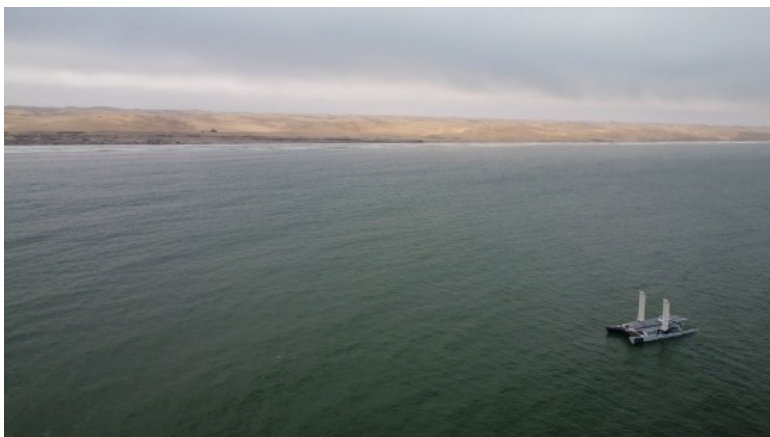
As a world leader in biofuels, Brazil is focusing on the large-scale development of second-generation fuels essential for Sustainable Aviation Fuels (SAF) production. The Northeast region, rich in wind resources and home to 80% of the country's wind farms, sees the state of Ceará, particularly Fortaleza, as a prime site for wind power.

Invited by Qair, official partner of the Odyssey, with the support of its partners such as the Accor Group, Air Liquide, and Toyota, as well as the active collaboration of the French Embassy in Brazil and the French Consulate in Recife, this Brazilian stopover will provide an ideal setting for a wide range of interactions focusing on national energy issues, enriched by an unprecedented audiovisual production.

A seamless second transatlantic

"The sixth year of Energy Observer's Odyssey took root in Africa, beginning with a remarkable stopover in Cape Town, where the vessel welcomed numerous visitors alongside her innovative exhibition village. Then, she set sail to Namibia with the ambition to document the continent's emerging renewable energy and green hydrogen production centers. The stopover in Walvis Bay was the final highlight of this African leg while opening the prologue to the next great ocean crossing, with Brazil in its sights."

Victorien Erussard, President, Captain and Founder of Energy Observer



© Energy Observer Productions - George Conty

An intermediate stopover in Saint Helena, in the middle of the South Atlantic, enabled Energy Observer's crew to rediscover a piece of French naval history.

This island, Napoleon's final resting place, which used to be an essential stopover on the route to India, has opened its doors to enriching encounters.



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The warm welcome from the local government and the curiosity showcased by over a hundred schoolchildren highlighted the island's commitment to energy transition, with the ambitious goal of 80% renewable energy in the electricity mix by 2027-2028.



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With unprecedented sailing conditions, the second Atlantic crossing to Fortaleza offered downwind winds and friendly currents, punctuated by sunny days, particularly during the second half of the journey. Harmony with the elements made it possible to sail 3,385 nautical miles in 23 days in total energy autonomy, at an average speed of 6.1 knots and with a record peak of 14.6 knots - where, over ten years ago, Victorien Erussard experienced an energy failure on his racing sailing boat, an event that led him to launch this visionary project.

The energy output of the first leg highlighted the efficiency of Energy Observer's wind propulsion system. The electrical engines were used for the propulsion only during 55 hours over 177 hours of sailing. That revived the vessel's ocean-racing spirit, even if the pace remained modest compared with its past prowess. The constant presence of the sun played a key role, ensuring regular recharging of the batteries for daily needs and propulsion, with hydrogen as the core of energy storage for periods of high demand.

The second and much longer part of the crossing witnessed solar power taking center stage. Energy production regularly exceeded 100 kWh per day, peaking at 125 kWh. This abundance of energy enabled more frequent use of the engines to counter persistent swell and maintain an average speed of over 6 knots despite fluctuating winds. The ease with which the crew adapted energy consumption to changing conditions underlines optimal resource management, with energy judiciously exploited when available.

This transatlantic journey is not just a maritime adventure. It is living proof that the full potential of renewable energies can be realized, even on the high seas. Energy Observer continues to bring this vision to Fortaleza, demonstrating that the path to a sustainable energy future is not only possible but already underway.



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Transatlantic key figures

Distance: 3,385 nautical miles

Duration: 23 days

The average speed of 6.1 knots

Energy production :

30% photovoltaic

67% wings (equivalent energy saved on propulsion)

3% hydrogen



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Energy Observer, a unique vessel

Setting sail in 2017 from her home port of Saint-Malo, Energy Observer is crisscrossing the seas on a round-the-world Odyssey scheduled to run until 2024. The vessel has already sailed more than 60,000 nautical miles (twice around the world!), conducted 82 stopovers (from Paris to London, St Petersburg to the Arctic Circle, Panama to the Galapagos, San Francisco to Singapore), including 17 with its traveling educational exhibition village, and visited more than 40 countries.

Developed from a legendary, award-winning catamaran, Energy Observer is a laboratory for ecological transition designed to push back the limits of zero-emission technologies. Hydrogen, solar, wind, and hydropower - all solutions are tested and optimized to make clean energies a reality accessible to all.

Practical information about our stopover in Fortaleza

Dates: November 16 to 24

Docking address: Marina Park Hotel, Fortaleza: Av. Pres. Castelo Branco, 400 - Moura Brasil, Fortaleza - CE, 60312-060, Brazil

**The vessel will be visible but cannot be visited by the general public.*

Host Partner

Qair

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About:

Energy Observer is the name of the first hydrogen-powered, zero-emission vessel to be self-sufficient in energy, advocating and serving as a laboratory for ecological transition. The development of reliable, sustainable, emission-free, and economically accessible energy solutions is at the heart of our odyssey and our industrial subsidiary EODev. We have been sailing around the world for 7 years, stopping in iconic cities to meet pioneers who devote their energy to the development of sustainable solutions that respect the planet.

As the first French ambassador for the 17 Sustainable Development Goals set by the UN, our mission - reinforced by our endowment fund Energy Observer Foundation - is to raise awareness of the ecological transition issues and explore solutions that prove that another energy future is possible.

Energy Observer has received the High Patronage of Mr. Emmanuel Macron, President of the French Republic. It has the official support of the Ministry of Ecological Transition, UNESCO, the European Union, Irena, and Ademe.

→ www.energy-observer.org

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