

Our environmental
commitments from A to Z
For Sustainable Tourism





Embracing the Earth

It is the strength of opposites: to experience spectacular and unforgettable adventures, our journey through the places we visit must be minimal and transitory. That's why we have been striving to promote sustainable tourism for thirty years.

Modern ecologically sensitive small ships, cutting-edge technologies, strict landing protocols, environmental impact studies, crew training: from A to Z, find the environmental commitments that guide us on a daily basis, with the greatest respect for the marine, terrestrial ecosystems and local populations we visit.



navigation Assistance

All our modern vessels are equipped with navigation assistance software (Eniram), which shows the best engine settings to adopt to limit fuel consumption. In other words, it makes it possible to manage the physical parameters of navigation for better energy efficiency outcomes.

B

Biodiversity



Our ships are equipped with seabed detectors. In areas known to be frequented by marine animals we reduce the speed of our ships to 10 knots. Naturalist-guides are available on the bridge with the officers to detect the presence of animals.



Our fleet is among the quietest in the world. We take the utmost care to cause as little underwater disturbance to wildlife as possible.



We use an electronic dynamic positioning system for ships without anchoring. This enables us to not drop anchor in sensitive marine areas.



The antifouling treatment of our ships' keelsons prevents the accumulation of microorganisms on the hull and their possible transport to areas where they could upset the ecosystem. This treatment is carried out using approved and certified ecologically sensitive paints.





Carbon offsetting

The entire PONANT fleet emits less than 0.0001% of maritime CO₂ emissions. Since September 2019, PONANT has been investing in Verified Carbon Standard certified projects. All of the carbon emissions generated by our voyages are offset through tangible projects:

- The reforestation of the Amazon in the State of Pará in northern Brazil, with nearly 600 hectares of forest funded;
- Wind energy production in the state of Maharashtra, in western India;
- Photovoltaic energy production in several regions of India and the Philippines.

These projects are certified by Verra Standards for a sustainable future, one of the two most reliable and rigorous certifications in the world. In addition to the environmental aspect, they also aim to bring responsible support to local communities by establishing sustainable employment in these regions and in particular by developing access to healthcare and education.





D

sustainable Development

Our sustainable development approach, promoting responsible tourism that is respectful of the environment and of indigenous peoples, is sincere and inherent in the governance of PONANT. We have enshrined it in the legal statutes of the Company which define our business.

We have also created a Sustainable Development and Social Responsibility Department reporting directly to the President of the Company. It devises a global strategy and sets specific objectives

to advance environmental and societal aspects at every level of the company. Amongst other things, it carries out regulatory and technical monitoring to ensure that our actions comply with current regulations and the expectations of stakeholders.

Our environmental policy is the subject of a monthly steering committee which monitors all our actions and their correct development.



Emissions

We are the first cruise company in the world to have ceased using heavy fuel oil (HFO) and moved to 100% lower emission high grade Low Sulphur Marine Gas Oil. In 2019, our average sulphur oxide emissions were 0.05%, i.e. 10 times lower than current maritime standards. The average for the first quarter of 2020 stood at 0.025%, a concentration 20 times lower than set out in the regulations

2023 objectives:



fines
particles



nitrogen
oxide (NOx)



sulphur oxide
(SOx)

F

Fountains and water bottles



In order to eliminate plastic bottles and limit the use of single-use plastics on board, water fountains are available in the common areas of the ships. We are also developing the bottling of our water in glass bottles. Stainless steel water bottles are distributed to each passenger on expedition cruises.



= 10 fewer plastic bottles
per passenger and per cruise



= 200 fewer plastic bottles
per day

G

Guarantees

Our environmental commitment is recognised and rewarded by several demanding organisations, including:

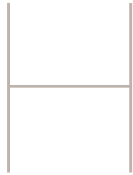
Bureau Veritas: Clean Ship and Clean Ship Super certification. This label ensures that our ships meet very specific criteria in terms of emission rates, waste and wastewater treatment.

Nabu: 2020 annual ranking by the German NGO Nabu. PONANT ranks first among the most environmentally friendly cruise lines.

Green Alliance: in 2019, PONANT became the first European cruise company to obtain the North American Green Marine certificate. It attests to the adoption by its members of environmentally friendly practices and technologies.

Les Palmes du Tourisme Durable: sustainable tourism prize awarded in the “Travel” category, for the total elimination of heavy fuel oil in favour of LSFO.





Hybrid



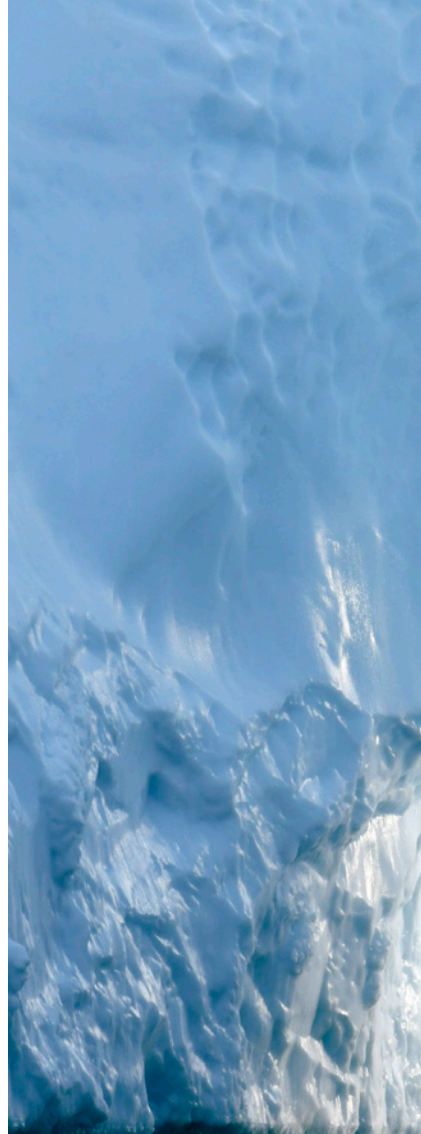
Le Ponant and *Le Commandant Charcot* are fitted with hybrid propulsion systems. Thanks to electric batteries, the ships do not produce emissions in ports, at the quayside or in protected areas.

- *Le Ponant*: sails / engines (diesel) / electric batteries
- *Le Commandant Charcot*: engines (liquefied natural gas and diesel) / electric batteries

IAATO and AECO

PONANT is an executive member of IAATO (International Association of Antarctica Tour Operators) whose mission is to promote responsible tourism in Antarctica. Its rules include guidelines on the number of passengers who can disembark and specific standards of behaviour (wildlife approach distances, briefings for passengers, members of the crew, Antarctic experience required for the expedition team, emergency and medical evacuation plans).

In the Arctic, PONANT is a member of the AECO, the Association of Arctic Expedition Cruise Operators for responsible tourism, respectful of the environment and ensuring the safety of its guests and crew.





J

Journey

To guarantee you the best journeys, PONANT has a fleet of small ships, ranging from 16 to 166 staterooms, or 32 to 332 guests. These capacities, amongst the lowest on the cruise market, allow us to dock in ports and stopover towns which are inaccessible to larger ships and so minimise our impact on the areas visited.



K

Kilos

In 2019, PONANT reduced its reliance on single-use plastics by 10,000 kilos.



Liquefied Natural Gas

The luxury polar exploration vessel, *Le Commandant Charcot*, is, amongst other things, powered by liquefied natural gas (LNG), which reduces:

- carbon emissions by 25%
- nitrogen oxide emissions by 85%
- fine particle emissions by 95%

LNG is an odourless, colourless, non-corrosive and non-toxic liquid derived from natural gas cooled to around -160°C at atmospheric pressure. The volume of LNG is 600 times lower than that of natural gas, which makes it easier to transport, especially by sea.



Motors

On each ship, we install the latest engine technologies available during construction. The ships in the PONANT Explorers fleet are equipped with electric engines, for example. They are powered by electricity supplied by diesel-electric generators.



N Nature

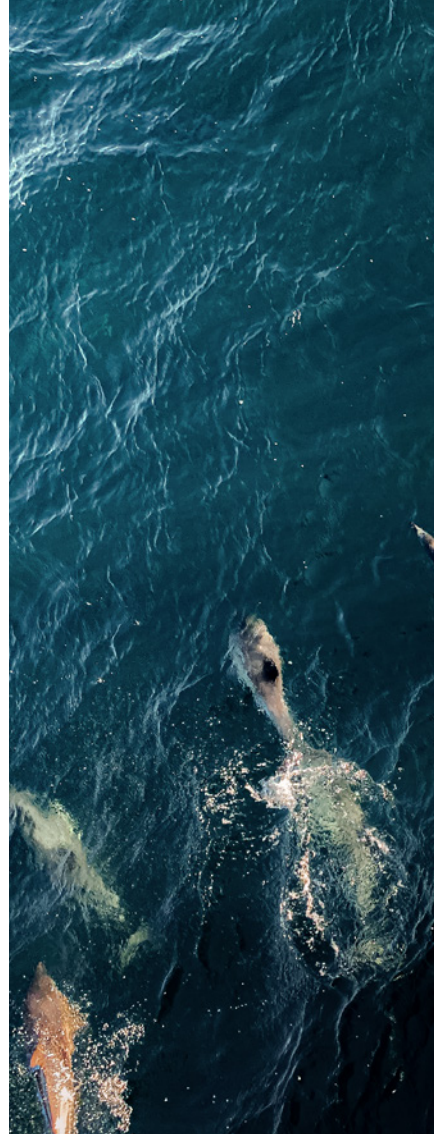
PONANT was founded by sailors passionate about the sea and the oceans, for whom nature is a common good to be protected. By creating the PONANT Foundation in 2018, the Company is making this responsible awareness a reality and is committed:

- To supporting innovative initiatives for the protection of the oceans
- To supporting the acquisition of scientific knowledge on the polar environment
- To promoting exchanges with indigenous peoples.



Optimised speed

Reducing the annual average speed of our ships to 11 knots allows us to reduce our fuel consumption.





P

Particles

- 80% nitrogen oxide emissions thanks to SCR (Selective Catalytic Reduction) catalytic converters used at all times on our ships.

-70% fine particle emissions thanks to the use of low sulphur diesel and SCR catalytic converters.

2023 targets: all ships will be fitted with SCR catalytic converters. They are already installed on the six ships in the PONANT Explorers fleet, and will be installed on *Le Ponant* and *Le Commandant Charcot* from 2021.



Quay



All the ships in the PONANT Explorers, *Le Ponant* and *Le Commandant Charcot* fleet are fitted with electrical connections which allow them to benefit from the electrical network of equipped ports, in particular for the needs of the onboard hotel services. The ships in the Sistership fleet are in the process of being retro fitted. Thanks to quayside connections, ships produce no atmospheric emissions when moored in their ports of call.

R Recycling



Glass is crushed
in a dedicated
machine



Packaging cartons are
compacted and stored
together



Hard plastics are
crushed by
category



Cans are
compacted

All this waste is stored in a dedicated cold room. It is unloaded regularly during stopovers to be processed by specialised companies. PONANT ensures the traceability of this waste.

Since 2019, 60% of the waste produced on board has been recycled. The global rate is 20%

2023 targets: 85% of waste recycled.



S

Sensitive ambassadors

Convinced that we protect the things we are familiar with, we raise our guests' awareness to the environments and ecosystems they are visiting. They thus become true ambassadors. While cruising, our guests can participate in various presentations concerning the protection of the environment and cultural heritage of the areas visited, as well as actions like the cleaning of beaches.

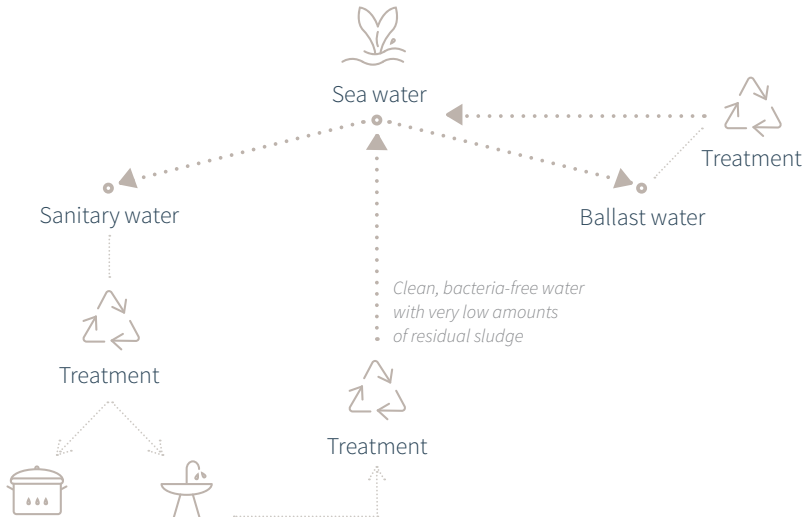
Our Captains regularly receive environmental training on water treatment, waste management, the protection of biodiversity, and atmospheric emissions.

We are also participating in a programme at the École Nationale Supérieure Maritime in Marseille (France) to train future officers in the subject of the environment.



water Treatment and production

All waterborne discharges generated by the PONANT fleet are processed to avoid any contamination to the environment.





single Usage



single-use plastics

PONANT has banned the use of single-use plastics such as straws, cups, unit food portions and laundry bags.

Consideration continues in the search for alternatives and innovative arrangements for the reduction, recycling and recovery of plastics.



enVironmental officer

On board, the role of Environmental Officer is taken on by one of the second officers. They are responsible, in turn, for three major themes: navigation, safety and the environment. The second in charge of the environment ensures compliance with environmental rules and procedures. They validate the related operations and ensure that information is fed back to head office. For example, in the context of a ballast water discharge, the environmental officer checks the analyses, validates the discharge area, the absence of danger, authorises or cancels the manoeuvre and notes in the logbook the date, geographical coordinates, and quantity of water concerned.



Watts

75% savings in electricity achieved on the lighting of our ships by using LED bulbs on board. With LEDs, the power - expressed in watts - consumed is much less than the power returned.

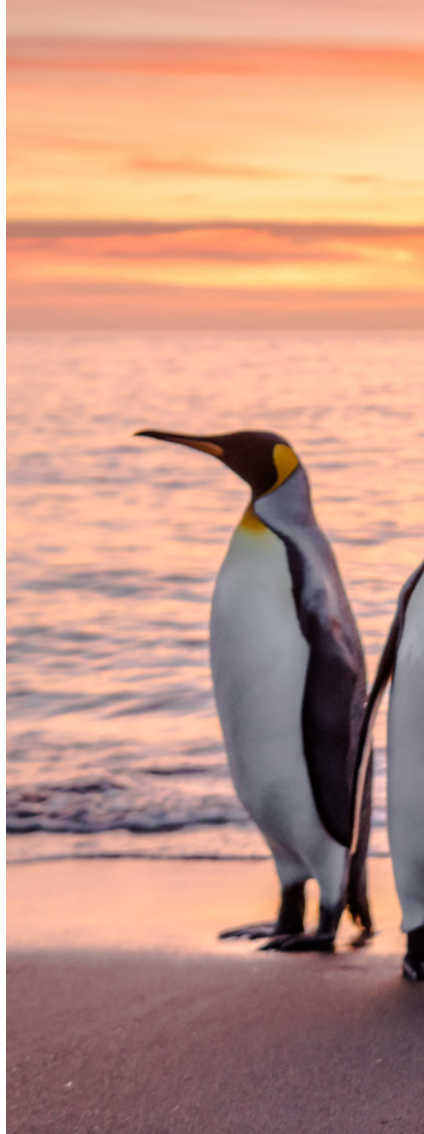




PONANT eXperience

For more than 30 years, we have done everything possible to limit our impact on the regions we visit. PONANT carries out environmental and social impact studies in order to protect natural environments and to consider the requirements of local peoples.

During an expedition cruise, each disembarkation is subject to a rigorous protocol, mobilising a dedicated team, to limit the impact on the places visited.





Young fleet

Our fleet is among the most recent on the market. All our ships are equipped with the most advanced technological equipment available during their construction in order to provide the highest levels of environmental sensitivity.





Z

protected Zones

We take our guests to some of the most remote places on the planet. This induces exemplary behaviour towards the environments and communities to be protected. That's why we don't sail in marine protected areas, and why we are working to minimise our footprint at all levels, both on board and during outings ashore.

We support international bodies, such as The Declaration of Rome which is campaigning to extend the Sulphur Emissions Control Area (SECA) to all oceans.

Photo Credits: @Studio PONANT - Sylvain Adenot, Olivier Anriga, Olivier Blaud, Ophelie Bleunven, Clement Louineau, Laurence Fischer, Violette Vauchelle / @PONANT - Christophe Dugied, François Lefebvre, Nath Michel, Philip Plisson, Vu Theara Kham.



*World Leader of
Luxury Expeditions*

CONTACT YOUR TRAVEL AGENT:

