

Polarfront, an Iconic Vessel

THE LAST WEATHER SHIP IN THE WORLD

Her Story

CBuilt in Norway, Polarfront was long operated by the Norwegian Meteorological Institute for missions in the High North. Designed to withstand extreme conditions, she is the last weather ship to have contributed to global data records.

Stationed in the North Atlantic at Station M, she collected essential data for over 60 years on temperature, salinity, ocean climate evolution, and CO₂ levels, in collaboration with international organizations.

Today, these missions are carried out by scientific buoys and satellites.

Specifications

- **Length:** 55 m
- **Beam:** 10 m
- **Draft:** 4.2 m
- **Flag:** French
- **Classification:** DNV GL
- **Electric propulsion**
- **Speed:** 9 knots
- **Ice-strengthened hull**
- **Capacity:** 12 passengers
- **Crew:** 9 crew members + guides
- **Anti-roll stabilization**



Polarfront Cabins

Polarfront offers two categories of suites, complemented by an Owner's Suite. Each cabin is unique and has its own identity.

The interior design pays tribute to the ship's past as a weather vessel. On the port side, suites feature cooler tones, while on the starboard side, warmer shades dominate. This design choice is directly inspired by the polar front—the boundary where cold polar air meets warm tropical air—an emblematic phenomenon from which the ship takes its name: Polarfront.



MIKE SUITES

Suite 7 – Suite El Niño

Cabin of 16.7 m², located centrally on the starboard side

- Bedroom area
- Lounge area
- Private bathroom
- 3 portholes, including 1 in the bathroom
- 2 twin beds or 1 double bed, as you prefer



Suite 5 – Suite Sirocco

Cabin of 20.5 m², located centrally on the starboard side

- Bedroom area
- Lounge area
- Private bathroom
- 3 portholes
- 2 twin beds or 1 double bed, as you prefer



LOOMIS SUITES

Suite 1 – Suite Mirage

Cabin of 22.5 m², located forward on the starboard side

- Bedroom area
- Lounge area
- Private bathroom
- 3 portholes
- 2 twin beds
- Communication possible with cabin no.3



Suite 2 – Suite Convergence

Cabin of 23.5 m², located on the forward port side

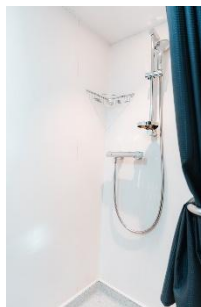
- Bedroom area
- Lounge area
- Private bathroom
- 2 portholes
- 2 twin beds or 1 double bed, as you prefer



Suite 3 – Suite Alizée

Cabin of 18.3 m², located forward on the starboard side

- Bedroom area
- Separate lounge area
- Private bathroom and separate toilets
- 3 portholes
- 2 twin beds or 1 double bed, as you prefer
- Communication possible with cabin no. 1



Suite 4 – Suite Mistral

Cabin of 18.6 m², located on the forward port side

- Bedroom area
- Lounge area
- Private bathroom
- 2 portholes
- 2 twin beds or 1 double bed, as you prefer



Suite 11 – Suite Mascaret

20.9 m² cabin, located aft on the starboard side

- Bedroom area
- Lounge area
- Private bathroom
- 4 portholes
- Two twin beds or one double bed, as you prefer



SHUPOWNER'S SUITE

Suite 9 – Suite Harmattan

Cabin of 25.5 m², located at the rear starboard

- Bedroom area
- Lounge area (with a sofa bed)
- Private bathroom and separate toilets
- 4 portholes
- Two twin beds or one double bed, as you prefer



LIFE ONBOARD

INDOOR COMMON AREAS

Coriolis Lounge

The true living space of the ship, this is where you will gather in a warm atmosphere while having a drink.

This is also where you will attend lectures given by our naturalist guides. Exchanges and encounters await you in the Coriolis lounge!



The restaurant room

Located on deck 2, all meals are served in the restaurant.



Polar library and shop

Located on deck 3, the library is accessible at all times. You will find a fine selection of books on the polar regions. Our collection of books remains at your disposal for the duration of the trip. The library is also equipped with a desk where you can sit down to process your photos, write, draw...

Located in the library, the shop will allow you to take home some souvenirs of your expedition. Because Latitude Blanche is committed to showcasing French-made products and craftsmanship, we have selected items for you that come from partnerships with primarily French companies.



The navigation bridge

During your trip, you will have the opportunity to access the navigation bridge, from where you can observe the work of the Master and Officers. You will be able to fully immerse yourself in the maritime expedition shared by those who undertake it.



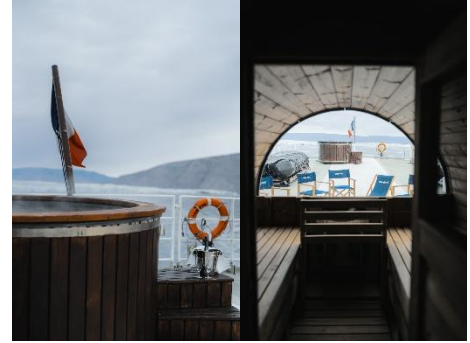
OUTDOOR AREAS

Sauna and hot tube

Always ready to welcome you, the panoramic sauna and Nordic bath will allow you to enjoy the outside view and navigation while relaxing in the warmth.

Exterior decks

Ideal for fully enjoying the surrounding landscapes, whether sailing or at anchor, Polarfront's large exterior decks are also the perfect place to share lunches when weather conditions are favorable.



GASTRONOMY ONBOARD

On board Polarfront, our talented French chefs put their culinary skills at the service of gastronomy to concoct delicate and refined dishes that blend authenticity, tradition and inventiveness.

During your journey on board, you will also be able to enjoy a variety of breads, shaped and baked on site by our chefs.

Committed to supporting short supply chains, we carefully select our producers as part of a responsible approach focused on product quality.



MODERNIZATION OF PROPULSION AND ENERGY SYSTEMS

The project carried out between December 2023 and March 2024 aimed to modernize Polarfront's propulsion and energy systems. Rather than scrapping the vessel (which would have been highly polluting due to its ~1,000 tons of steel), the decision was made to refurbish it, as its structure remains in excellent condition.

The modernization is based on more efficient and environmentally friendly technologies: electric propulsion with two motors, a new high-performance 5-blade propeller, three optimized generators with emission reduction systems, shore power connection, and heat recovery from engines to supply heating.

- These improvements result in:
- Over 30% energy savings for propulsion
- Around 35% reduction in fuel consumption
- Significant reduction in emissions (CO₂ and nitrogen oxides thanks to AdBlue)

The system is also more reliable and safer thanks to redundancy (multiple independent engines) and highly responsive (start-up in under 3 minutes).

Finally, the vessel is now much quieter with reduced vibrations, improving passenger comfort and minimizing impact on marine wildlife, which is sensitive to noise.

PROJECT BENEFITS

For the environment / For navigation and operational safety / For wildlife / For passenger comfort

	BEFORE THE PROJECT	AFTER THE PROJECT	DIFFERENCE
ANNUAL FUEL CONSUMPTION	400 TONS	260 TONS	140 TONS
CO2 EMISSIONS	1 246 TONS	810 TONS	436 TONS



Considering that a tree absorbs on average 25 kg of CO2 per year, the CO2 saving is equivalent to the absorption of 22,500 trees over a year!