

## Technical visits

The regions Brittany and Pays de la Loire organize technical visits during FOWT with the aim of introducing you to expertise sites (ports, research centers etc) dedicated to marine renewable energy. These visits will take place on November 18, 2021. Places are limited. Reservations can be made during registration to the event.

### Technical tour in Brittany

#### Technical tour #1 – Brest tour

Take the opportunity to visit the Port of Brest MRE terminal! On 18 November, Bretagne Ocean Power invites all FOWT participants to a technical visit to Brest: tour of the port, trip by sea to discover the IFREMER test site and the prototypes under test. Come and discover the offshore wind and MRE Breton assets!

On Thursday 18 November, Bretagne Ocean Power invites you to discover the **MRE terminal of the port of Brest**. During this technical visit, you will be able to appreciate the potential of this infrastructure, as well as the industrial activities currently installed, related to the Ailes Marines project. A visit to the Navantia and Windar workshops is planned.

The port of Brest has a new terminal entirely dedicated to MRE projects: 40ha of industrial lots connected to maritime and transport networks, 400LM of heavy load quay in a accessible and sheltered bay. Thanks to its strategic location, it is close to the French and European wind farms. The port of Brest is also the first French port for ship repair and construction.

In the afternoon, you will be able to visit the **IFREMER test site by sea**, another major infrastructure in the region which will enable the deployment of the sector. You will be able to discover the wind and wave prototypes currently being tested in real maritime conditions.

We will also present the richness of the Brest Iroise ecosystem, Europe's leading centre for marine science and technology.

Practical informations :

- **This technical visit is offered on Thursday, November 18, all day (7:30 AM – 6 PM).**
- **This visit is free of charge.**
- **Round trip by bus, departure from St Malo. A stop at Brest airport is planned at 3pm.**
- **Lunch included in the visit.**
- **Make sure you wear the right clothes for the sea trip!**
- **Capacity limited to 50 people.**

Don't miss this opportunity!

With the support of Iberdrola



#### Technical tour #2 – Ecole Nationale Supérieure Maritime

The « Ecole Nationale Supérieure Maritime » invites you to discover its maritime safety training centre, the CESAME, which is equipped with all the necessary equipment for training in sea rescue and fire-fighting on board ships. The CESAME has just acquired a technical platform enabling it to provide safety training in the field of offshore wind energy in accordance with the standards of the Global Wind Organisation (GWO).

We invite you to come and discover our structure, which is designed to obtain GWO BST+ certification, including first aid, fire-fighting, manual handling, and working at height.



#### Technical tour #3 – EDF – Visit of the Rance tidal power plant, a unique industrial site in Europe.

Departure from the Palais du Grand Large on Monday 15 November at 3.30 p.m., return at 6.45 p.m.

Hydroelectricity, the first renewable energy source, is produced here thanks to the largest tides in Europe (tidal range of over 13 m) and the know-how of those known as hydraulic sailors.

**With an installed capacity of 240 MW and its 24 "Bulb" type turbines, the Rance tidal power plant produces the equivalent of the annual electricity consumption of 225,000 inhabitants (City of Rennes). It was inaugurated in 1966 by General de Gaulle, after 6 years of titanic work. This exceptional visit is offered by EDF.**

It will be commented on by Stéphane Choley – Director of the EDF Rance-Énergies Operations Center and François-Régis Chevreau – Operations-Maintenance Manager of the EDF Rance-Energies Operations Center.

Visit in French and English.



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### Technical tour in Pays de la Loire

#### Technical tour #4 – Tour in Pays de la Loire

**Design, manufacturing, monitoring and maintenance: innovative solutions for mooring lines are developed in Pays de la Loire**

This tour includes the visit of two factories:

FMGC is the European leader in cast iron ballasting & stabilisation solutions dedicated to Marine renewable energy application with involvement in most of the European floating wind projects. Highly involved in floating wind market, FMGC is providing to the industry a wide range of solutions including clump weights for mooring systems, gravity based & static ballasts as well as cable protection & stabilisation.

Visit of the FMGC foundry will be followed by a presentation of University of Nantes, which is involved in the monitoring and maintenance of marine and Coastal structures since the 90's.

FMGC and University of Nantes have been collaborating for many years on the resistance of materials. University of Nantes having high-performance test facilities, new sensors and new methods will be presented for degradation and marine growth updating.

NOV-BLM is an equipment supplier specialized in the design, manufacturing, testing and servicing of equipment dedicated to the floating offshore wind industry. The visit of the plant will be completed by a presentation of the business cluster Neopolis and other companies from this sector.

- Departure 7:00 am from St-Malo

- The visit will end at Nantes airport at 5.30 p.m.

Capacity of the visit : 19 persons



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