15th 16th 17th November November November

07:15 to 17:30 GMT+0100

#### Technical visit - Tour in Pays de la Loire - Design, manufacturing, monitoring and maintenance: innovative solutions for mooring lines are developed in Pays de la Loire

18th

November

This tour includes the visit of two factories:

FMGC is the European leader is 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 Neopolia 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

07:30 to 18:00 GMT+0100

### **Technical visit Brest**

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.

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.

The port of Brest has a new terminal entirely dedicated to MRE projects: 40ha of industrial lots connected to maritime and transport

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.

Pratical informations:

This technical visit is offered on Thursday, November 18, all day (7:30 AM – 6 PM).

Round trip by bus, departure from St Malo. A stop at Brest airport is planned at 3pm.

This visit is free of charge.

Lunch included in the visit.

Make sure you wear the right clothes for the sea trip!

Capacity limited to 50 people.

Your registration for this visit will be final when it is validated by the organizer of the technical visit.

With the support of Iberdrola.

08:00 to 08:30 GMT+0100

08:30 to 09:40 GMT+0100

09:40 to 10:40 GMT+0100

AUDITORIUM & STREAM ONLINE

**AUDITORIUM &** STREAM ONLINE

## Doors open

#### Plenary session - Resource prediction and WT performance

Chairman: Po-Wen Cheng, Professor, University of Stuttgart



**IFPEN** Wind turbine control manager



Natalia Castro-Casas D-ICE Engineering Lead FOWT R&D Control

Engineer



Sandrine Aubrun Centrale Nantes Professor



Scalian Scientific Officer

## Plenary session - Global performance prediction

Chairman: Christophe Maisondieu, Ifremer



Aggelos Dimakopoulos

HR Wallingford Principal Engineer



Anni Piirainen

Xodus Group Lead Renewables Consultant



Floating Energy Systems Director/Engineering Lead



Jean-François Filipot

France Energies Marines Scientific Director and leader of the DIMPACT project



Julie Sirvent Kingston University





Institute

10:40 to 11:10 GMT+0100

11:10 to 12:35 GMT+0100

PLENARY SESSIONS

AUDITORIUM &

# Coffee break

### Plenary session - Operation and Maintenance

Chairwoman: Florence Lafon, Mediterranean Office Manager, France Energies Marines



Armando Alexandre

Principal Power Inc R&D Engineer



Morphosense

Jean-Michel Heurtier

Principia





Lecturer and Researcher in MREs



Lead Developer Floating

Segment



12:35 to 13:35 GMT+0100 AUDITORIUM & STREAM ONLINE

#### Plenary session - Mooring and Cable Chairman: Jean-Christophe Gilloteaux, Centrale Nantes



Alex Raventos

X1 Wind CEO and Co-founder



DSM Technical and business development manager





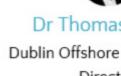
Dr Thomas Doyle

Dublin Offshore Consultants Director



DNV Energy Systems Business Lead - Floating

Lunchtime cocktail 18th November







13:35 to 14:30 GMT+0100