

Webinaire Wind'OCC

Maxime GOUGET

Service Sales Manager – Offshore Wind

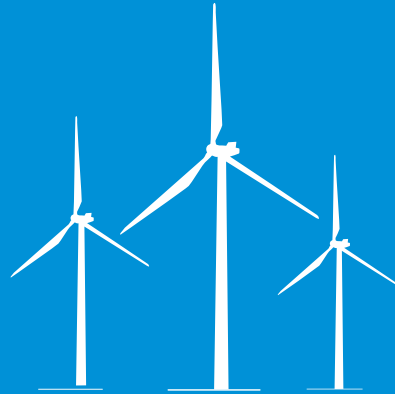


Vestas is the energy industry's global partner on sustainable energy solutions



+29,000

We employ more than 29,000 people worldwide and have 40 years of experience with wind energy



+50,000

We have a total of 50,171 combined turbines under service, or more than 113 GW



+ 77,000

We have a total of 77,058 turbines or more than 132 GW of installed wind power capacity in 83 countries worldwide spanning five continents



€ 14.8bn

Vestas' revenue in 2020 was EUR 14.8bn

Présence de Vestas en France

+530

Salariés

350

Agents et Techniciens
de maintenance

**Depuis 2001
en France**

+ 620 m€
de CA en 2020

100

recrutements en
2021

+ 2537

Éoliennes installées

12

Centres de maintenance

1

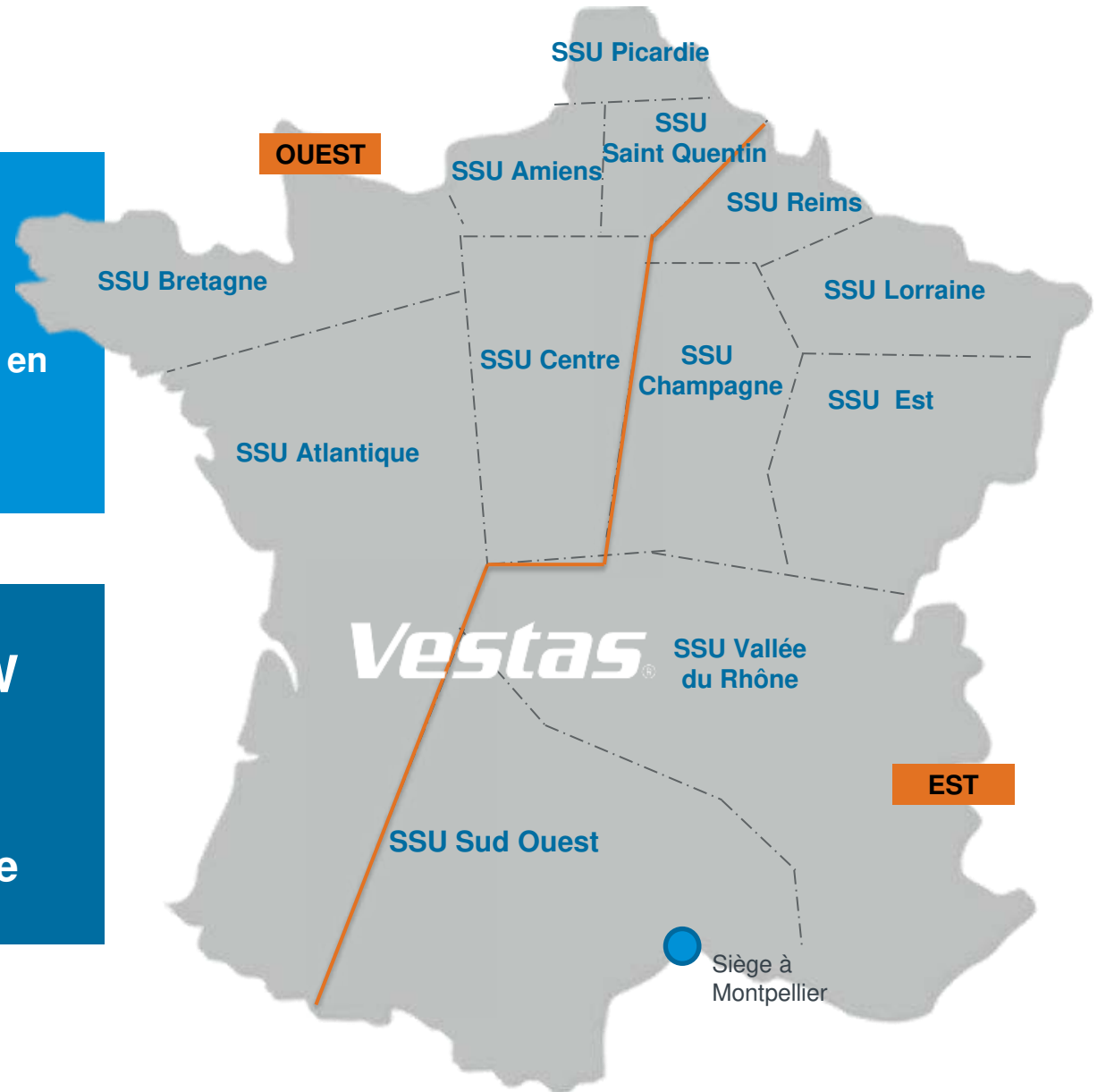
Centre de formation
national

2

Centres logistiques

+5,7 GW
Installés

N°1
en France

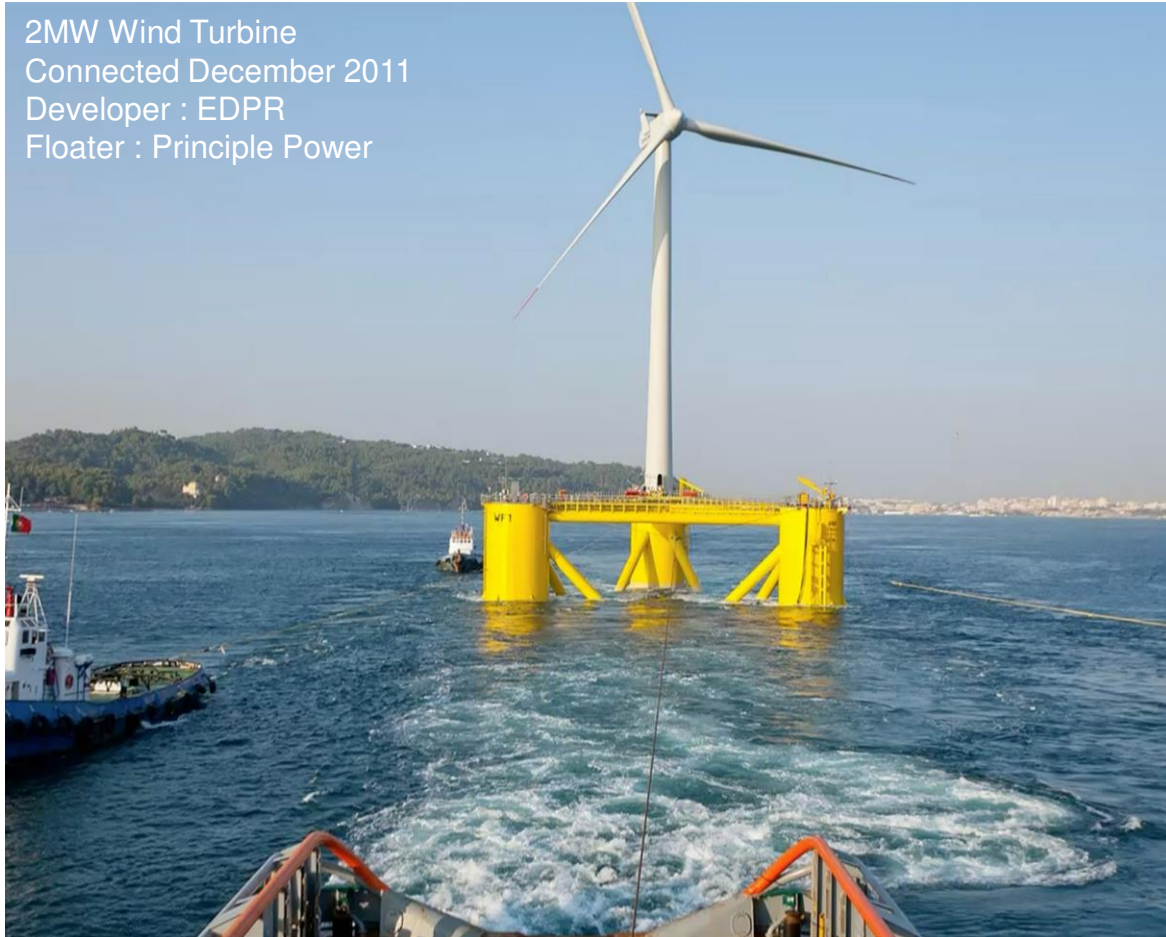


Experience in Floating Wind



WindFloat

Vestas first floating experience



2MW Wind Turbine
Connected December 2011
Developer : EDPR
Floater : Principle Power

- Demonstration of **system dynamics** and verification of **responses**
- Weathering of wave and wind induced **fatigue loads**
- Fabrication and **commissioning** concept.
- Performance of **O&M** activities
- Return of **WTG to shore** for decommissioning

WindFloat Atlantic

Serialized WTG installation

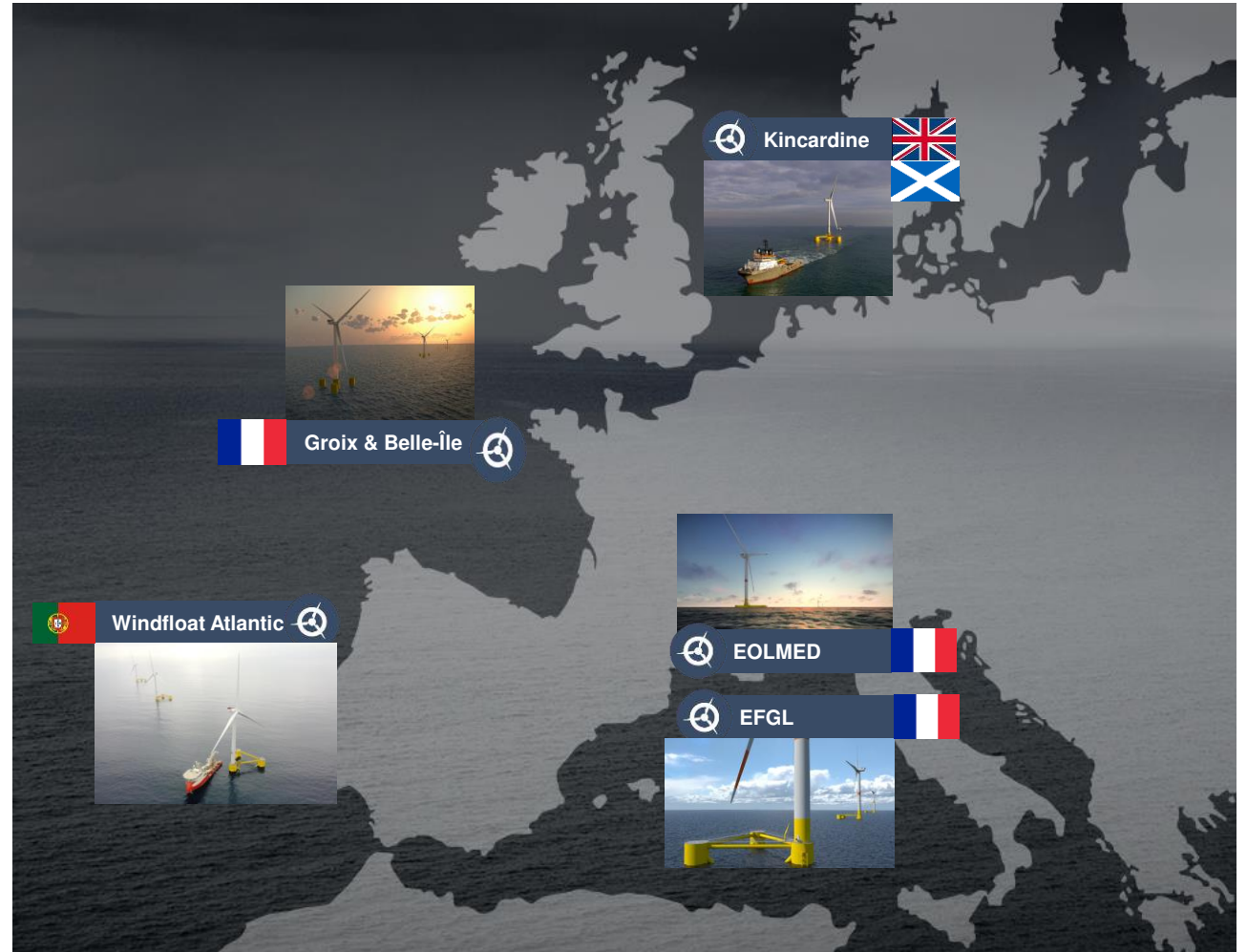


- Optimized design balancing power output and dynamic behaviour
- Full-scale WTG commissioning and model validation
- Installation and commissioning process tailored to serial installation

Preparing for commercial scale

Time to enter the LCOE reduction journey.

- **Kincardine Phase I**
5 x V164-9.5 MW
Foundation:
Principle Power semisubmersible
- **Groix & Belle-Île**
3 x V164-9.5MW
Foundation:
Naval Energies semisubmersible
- **“Les éoliennes flottantes du golfe du lion”**
3 x V164-10MW
Foundation:
Principle Power semisubmersible
- **EOLMED**
3 x V164-10MW
Foundation:
IDEOL barge foundation



Maintaining Wind Turbines

+7,000 Service Technicians
around the world monitor, repair and
prevent failures of wind turbines scattered
across **more than 60 countries**



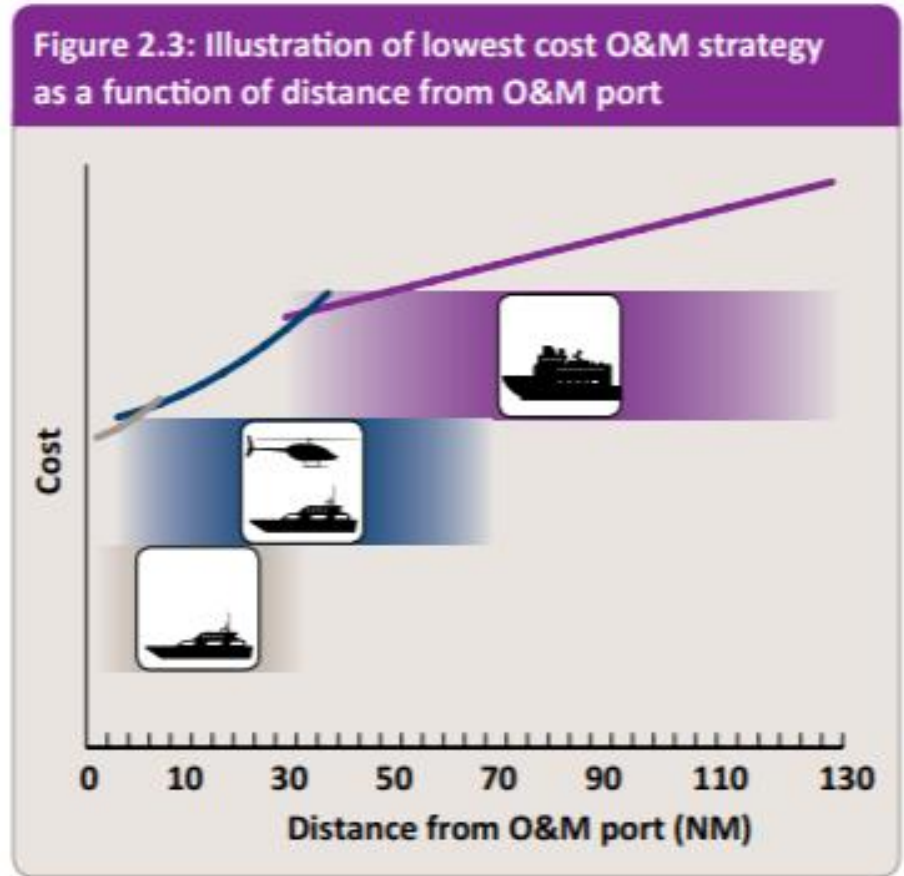
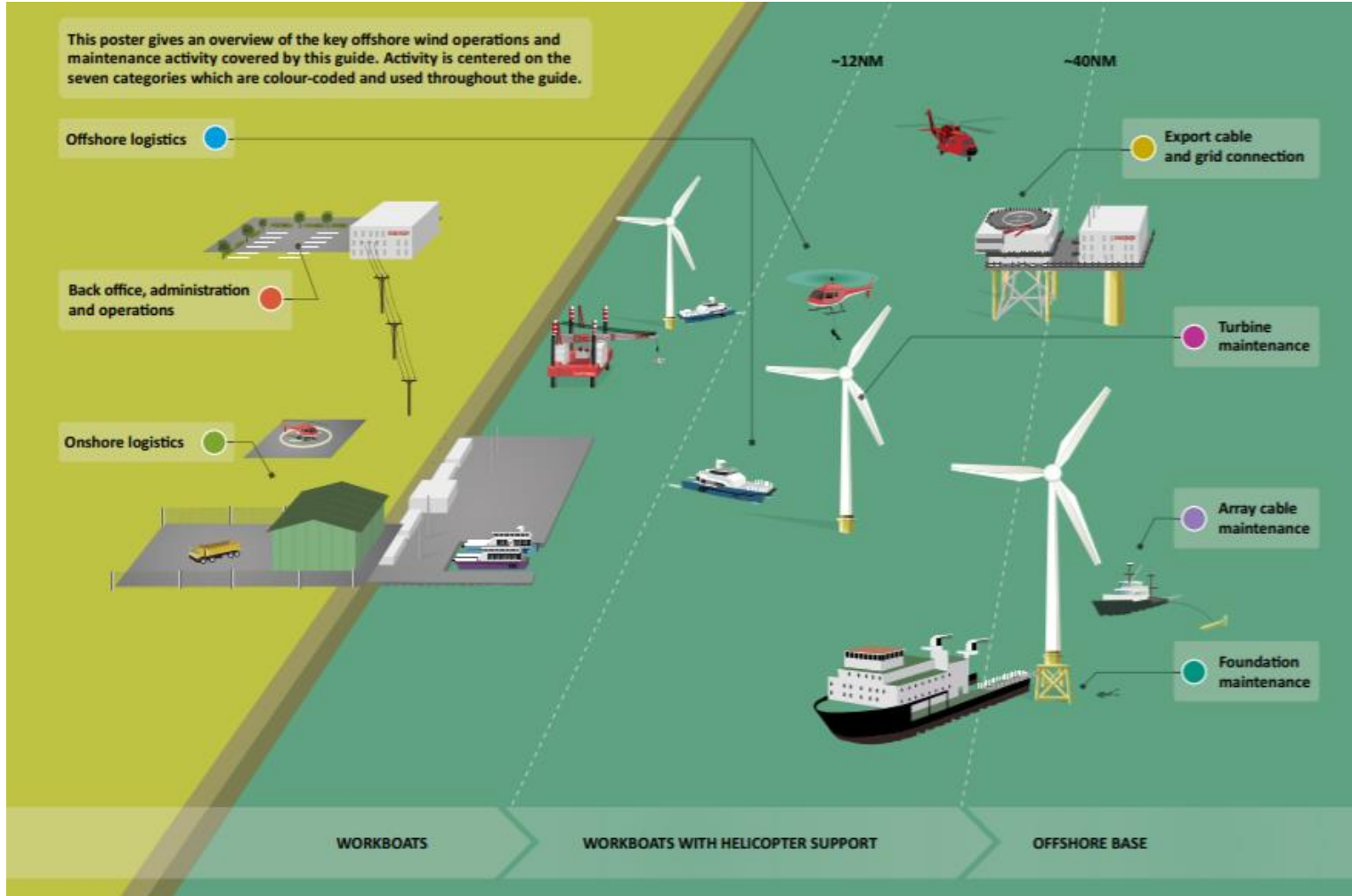
Vestas Offshore global footprint – our offices, service and O&M bases



OFFICE location

SERVICE / O&M base

Offshore Wind O&M strategies



(Source: A Guide to UK Offshore Wind Operations and Maintenance, The Crown Estate)

Servicing French Pilot Wind Farms

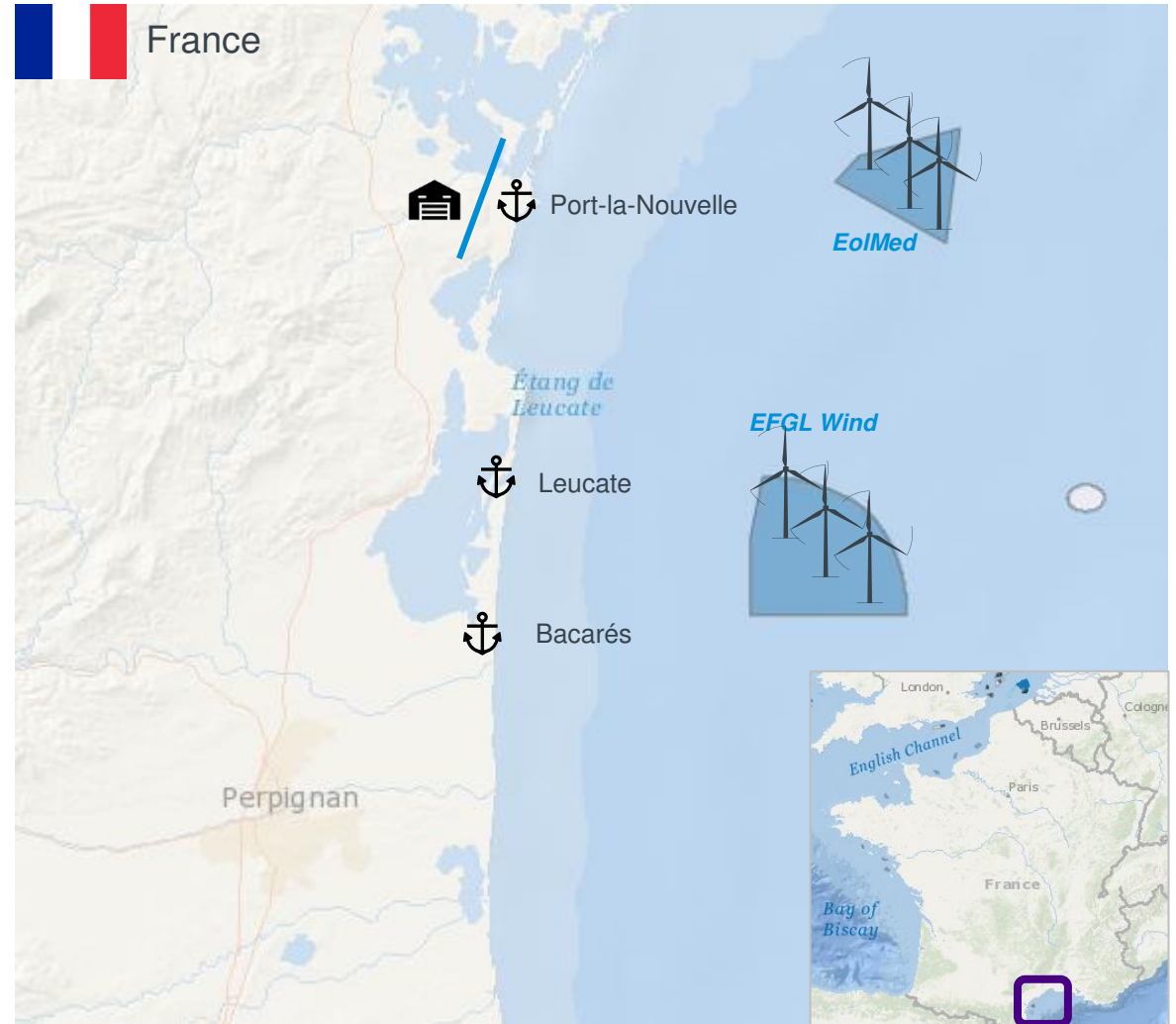
Example of EFGL and EOLMED projects

- **Operations based from Port-la-Nouvelle**
 - Offices
 - Warehouse
- **Dispatch of technicians using a CTV**
- **24/7 remote supervision**
- **Tow-to-Shore to Port-la-Nouvelle for Major Maintenance**

Local Set-up :

- **Local technicians for scheduled and unscheduled maintenance**
- **Supervisor & administrative**

TOTAL : ~ 5 Vestas local employees



Servicing French Floating Wind Farms

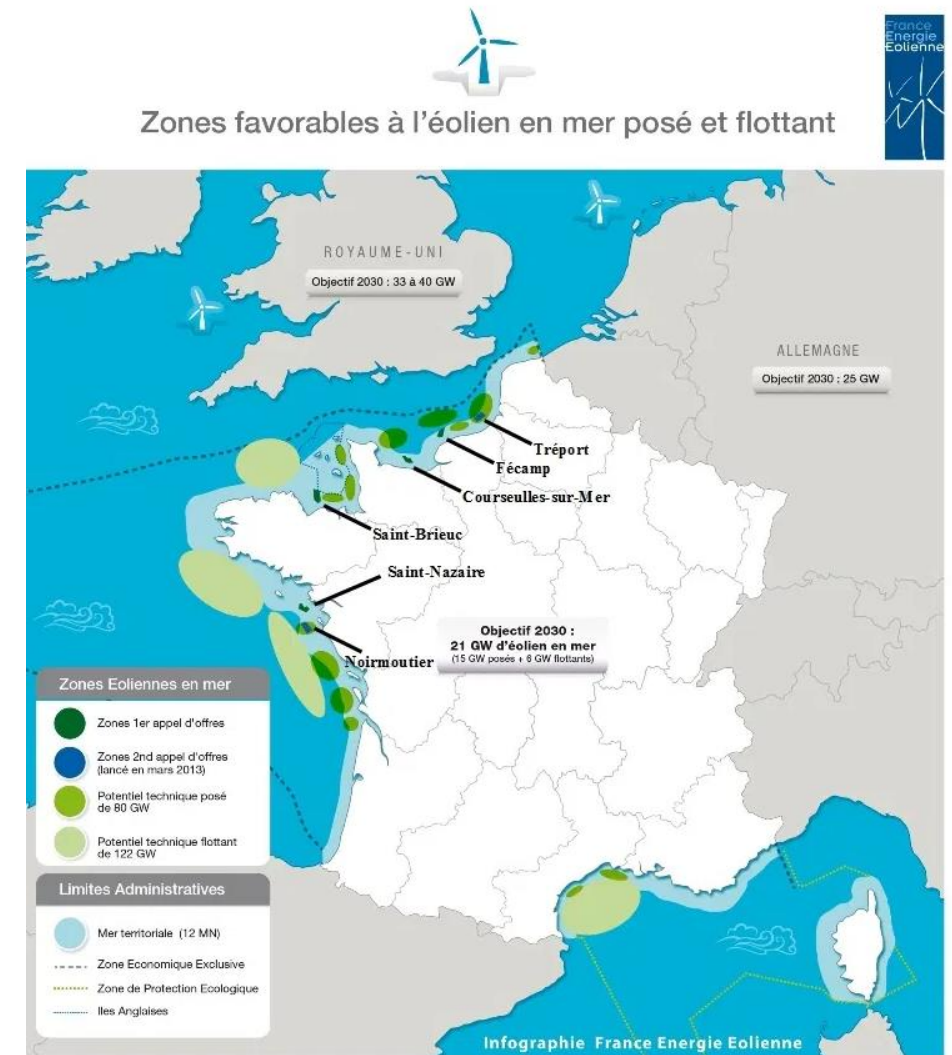
Example of Commercial Wind Farms – 250 MW

- **Operations based from Local Harbour**
 - Offices
 - Warehouse
- **Dispatch of technicians using CTVs or SOVs**
- **Potential use of Helicopter for dispatch**
- **24/7 remote supervision**

Local Set-up :

- **Local technicians for scheduled and unscheduled maintenance**
- **Supervisor & administrative**

TOTAL : ~ 25 Vestas local employees



Servicing French Floating Wind Farms

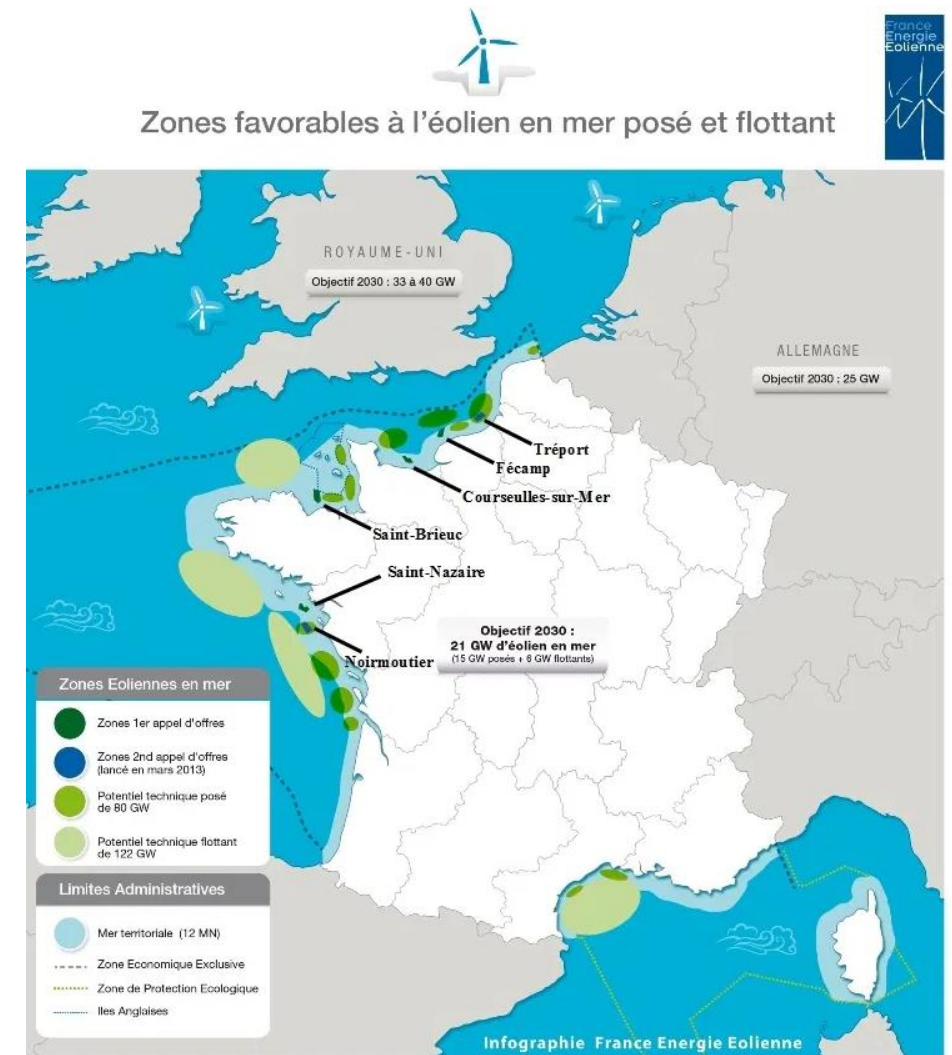
Example of Commercial Wind Farms – 500 MW

- **Operations based from Local Harbour**
 - Offices
 - Warehouse
- **Dispatch of technicians using CTVs or SOVs**
- **Potential use of Helicopter for dispatch**
- **24/7 remote supervision**

Local Set-up :

- **Local technicians for scheduled and unscheduled maintenance**
- **Supervisor & administrative**

TOTAL : ~ 35 Vestas local employees



Merci pour votre attention

Retrouvez nous pour les rencontres BtoB :

- Benoit GILBERT : Directeur Service Ouest Europe
- Cecilia PINTOS LANZUELA : Head of Service Procurement MED
- Maxime GOUGET : Offshore Service Sales Manager