

# Webinaire Wind'OCC

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Maxime GOUGET

Service Sales Manager – Offshore Wind

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



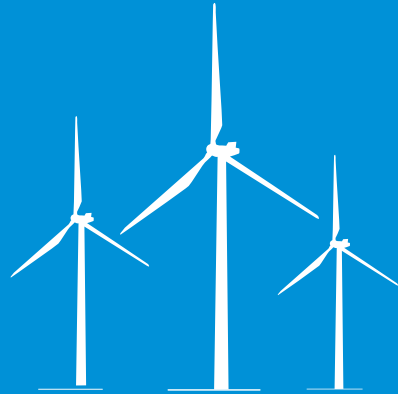
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**+29,000**

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

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**+50,000**

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

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**+ 77,000**

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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

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**€ 14.8bn**

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Vestas' revenue in 2020 was EUR 14.8bn

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# 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**

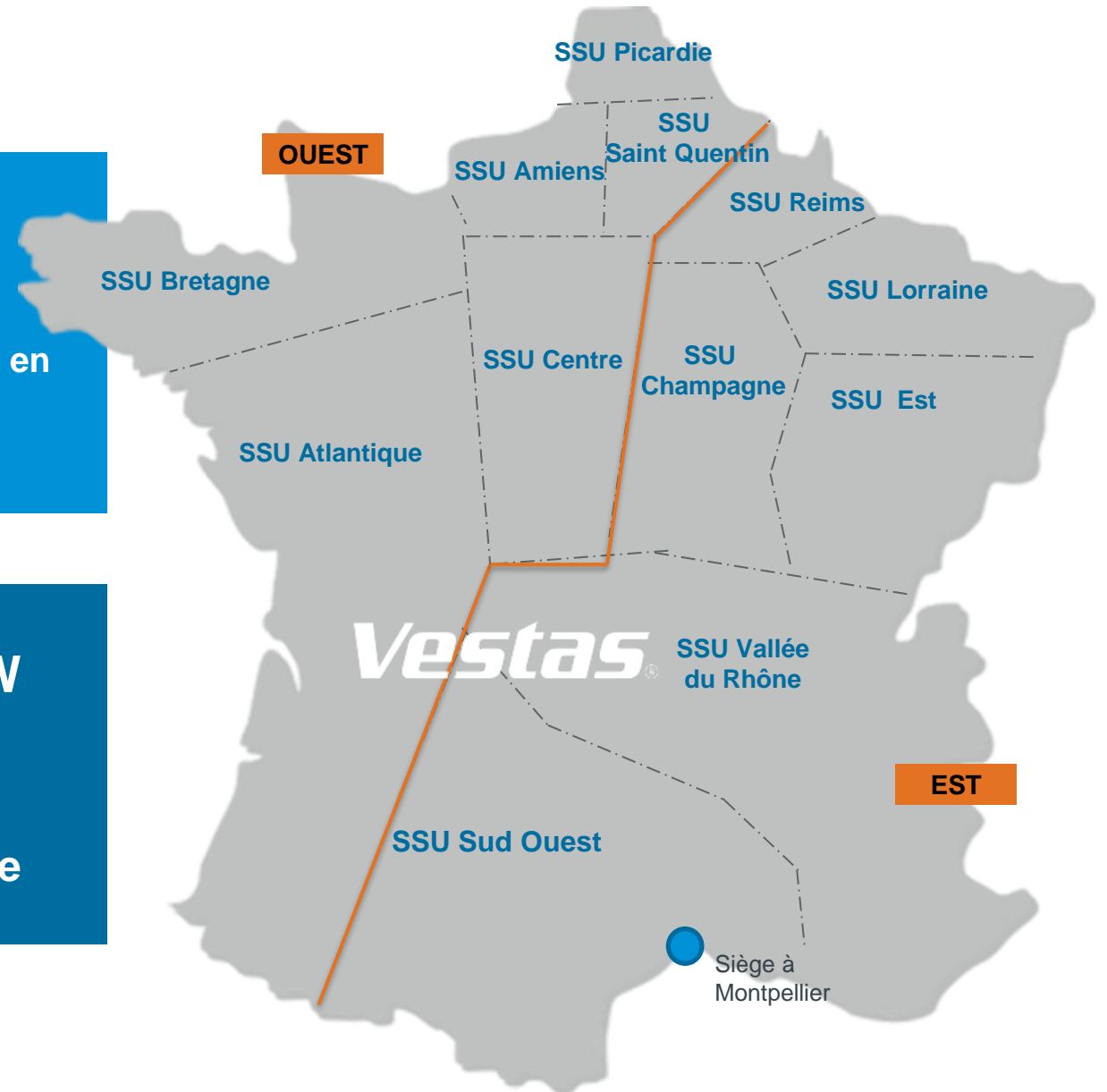
Centres logistiques

**+5,7 GW**

Installés

**N°1**

en France





# Experience in Floating Wind





# WindFloat

## Vestas first floating experience



- 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

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

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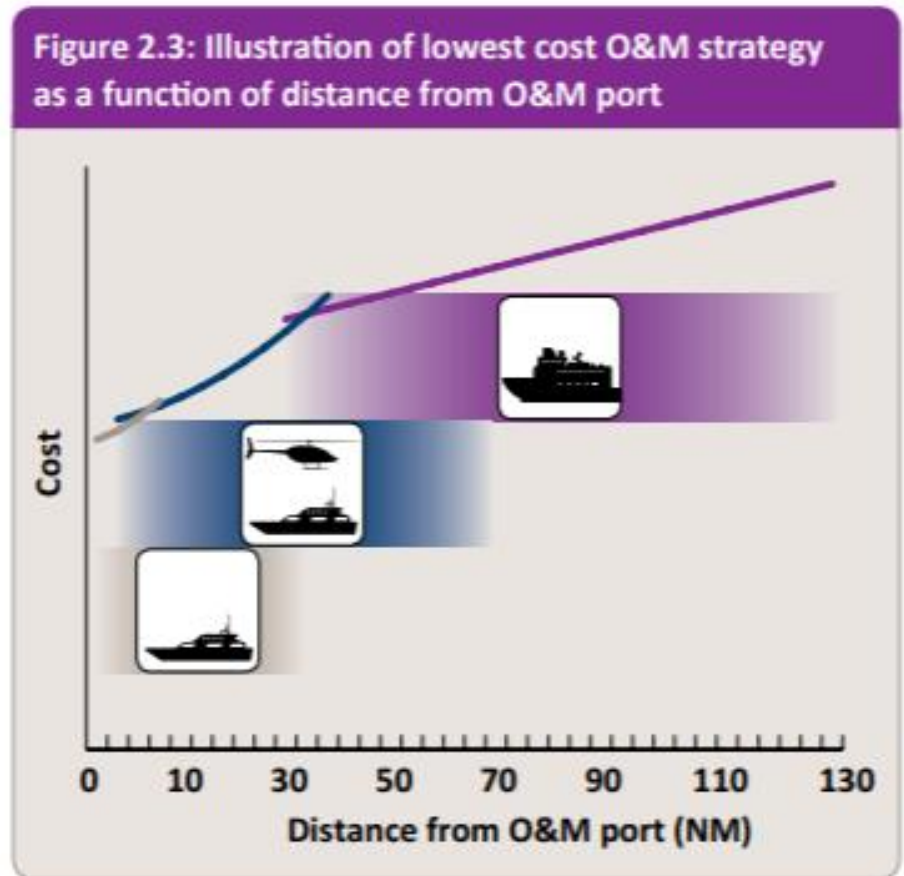
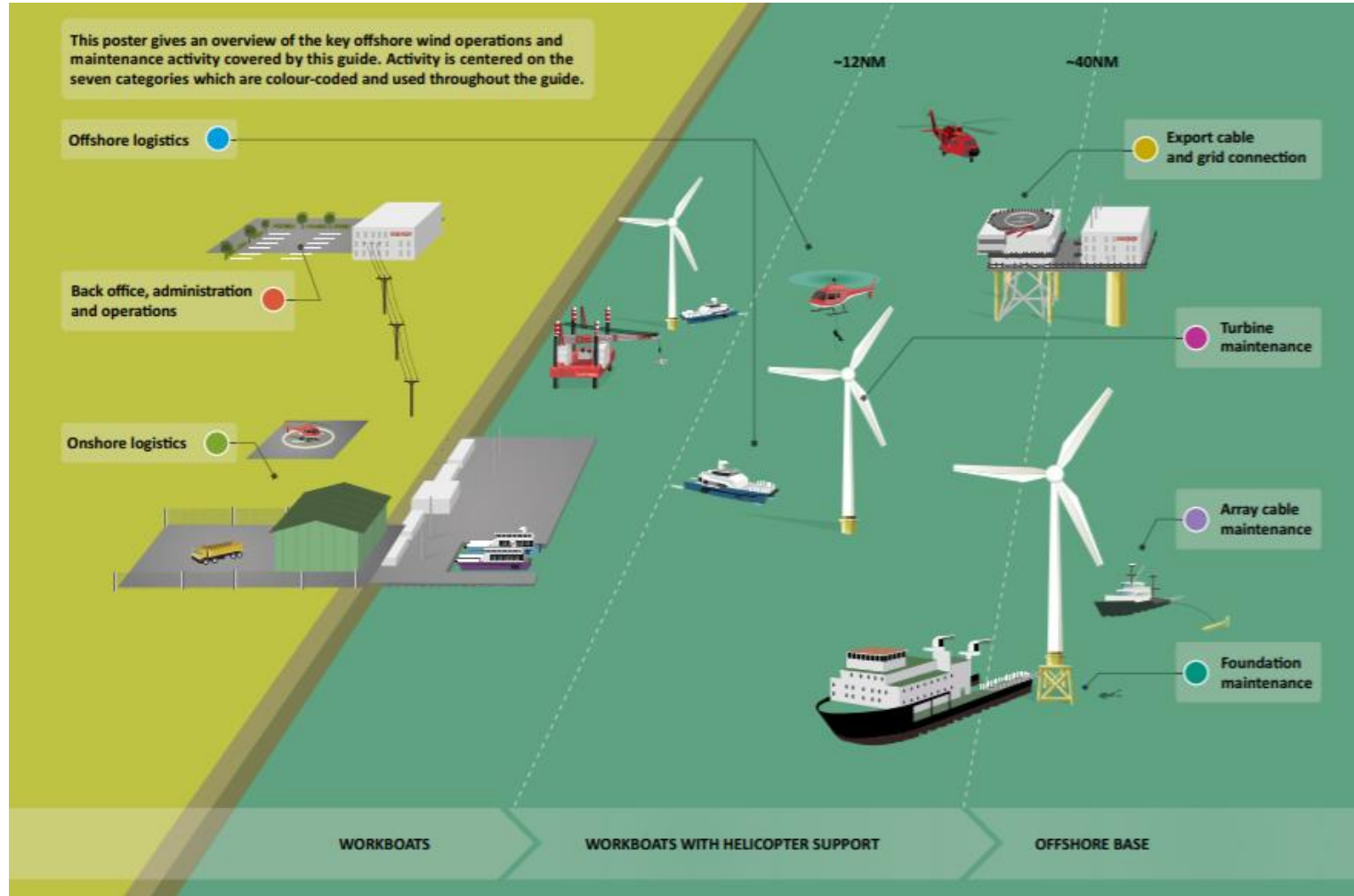
# Vestas Offshore global footprint – our offices, service and O&M bases



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

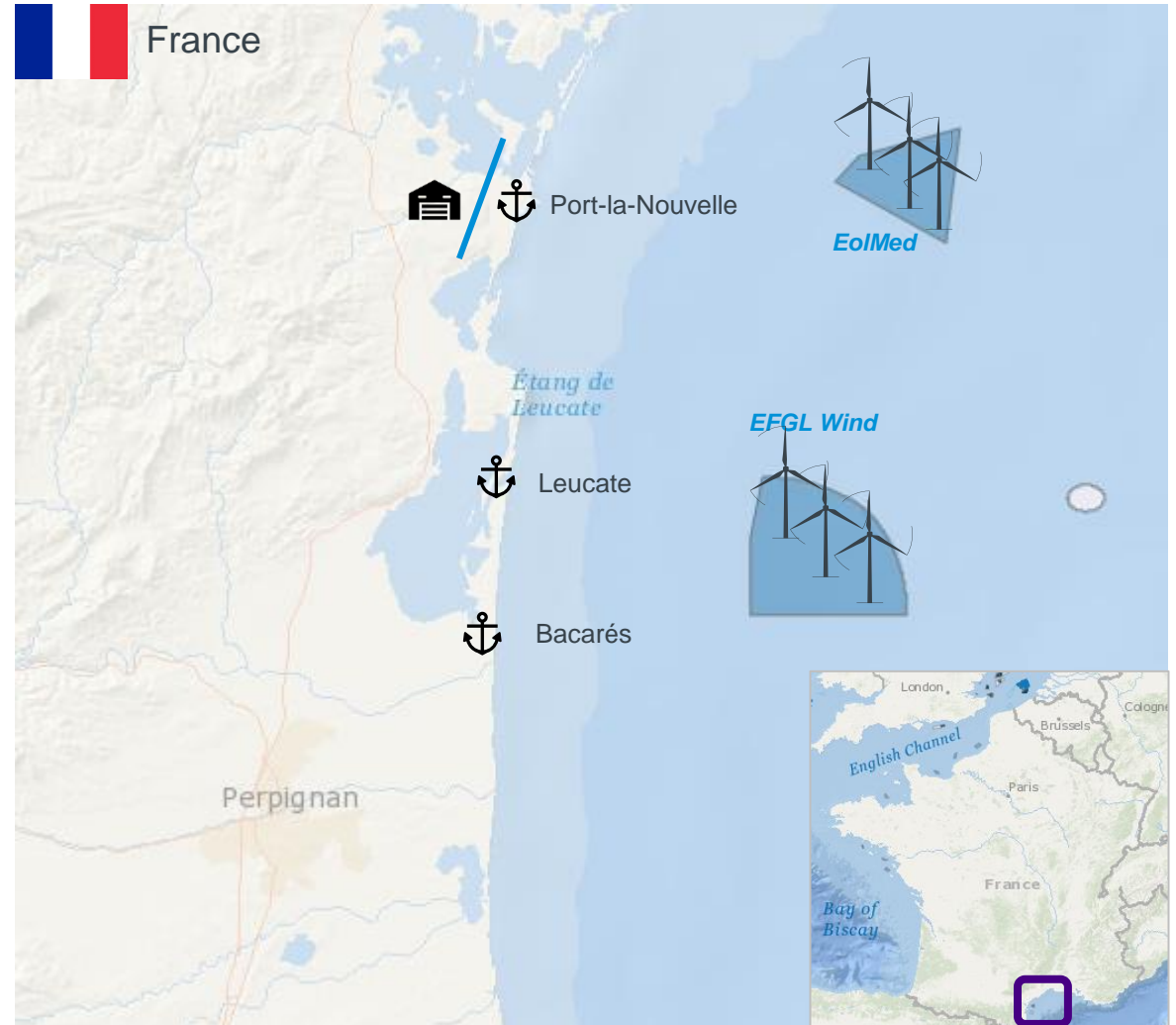
## Example of EFGL and EOLMED projects

- 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

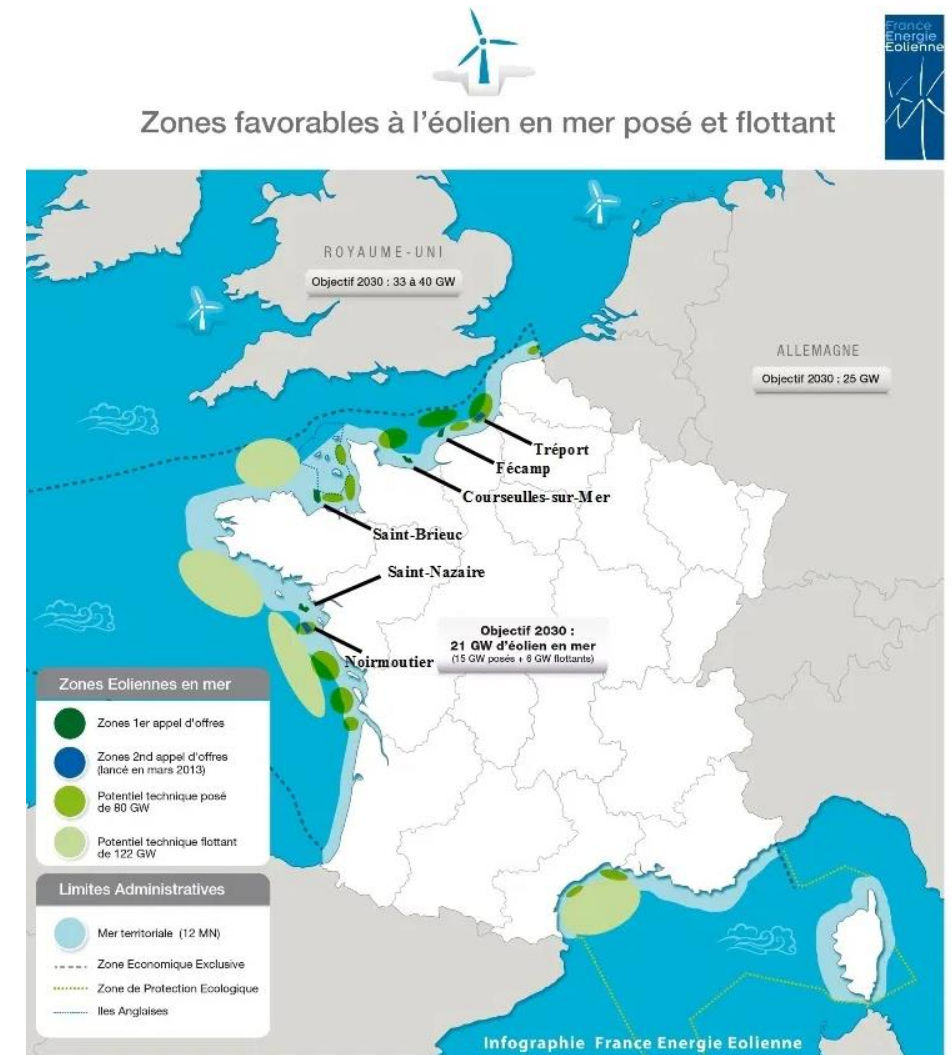
## Example of Commercial Wind Farms – 250 MW

- 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

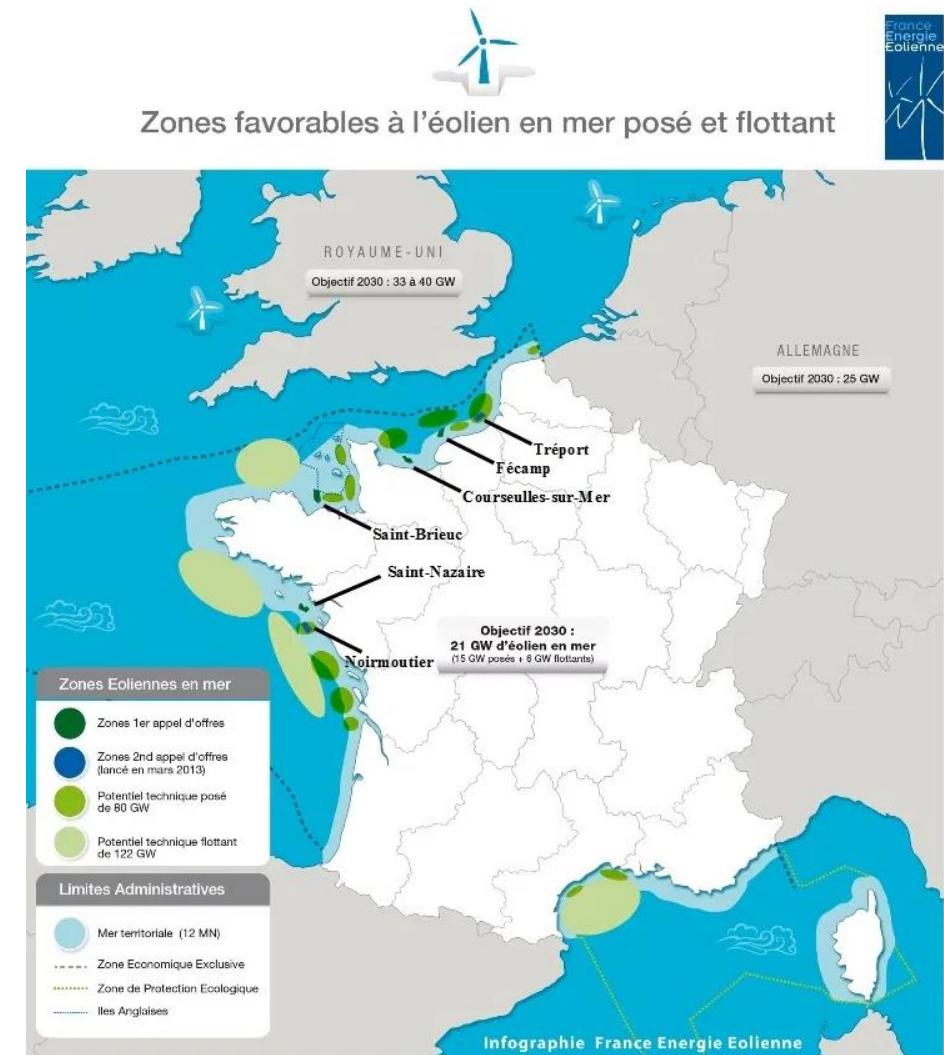
## Example of Commercial Wind Farms – 500 MW

- 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