


MAP OF PROJECTS INSIDE



BRETAGNE

A STRATEGIC LOCATION

In the heart of Offshore Wind
& Marine Energies Market

BRETAGNE 
OCEAN PO'//ER

A project of the



COFINANCÉ PAR
UNION EUROPÉENNE
UNANIEZH EUROPA



*L'Europe s'engage
en Bretagne*

165 COMPANIES to find your right partner

Marine Energy in Brittany is a sector with more than 165 companies working:

- in all MRE technologies
- and at all stages of MRE projects.

Bretons companies are already involved in many marine energy project in Europe, such as the Ailes Marines project in Bay of Saint-Brieuc. They are ready for other projects, including the call for tender for the South Brittany floating wind farm.

Find the right partner for your business: more than 165 companies and 26 research labs are referenced by skills in our online directory.



www.bretagneoceanpower.fr/directory

3 TESTS SITES to prove your concept

Open sea test sites are open to your projects, whether they are in the development or pre-commercialization phase. Specialists accompany you from the commissioning to the connection to the network and up to the tests. They host all kinds of marine energies and offshore wind technologies (tidal turbines, floating wind turbines, etc.).

If you need to perfect your technologies, you can count on the expertise of more than 165 companies and research centres dedicated to offshore wind and marine energy technologies in Brittany.

On Paimpol-Brehat test site, European Tiger Project is dedicated to demonstrate that tidal stream energy is a maturing industry, capable of achieving an accelerated cost reduction pathway.

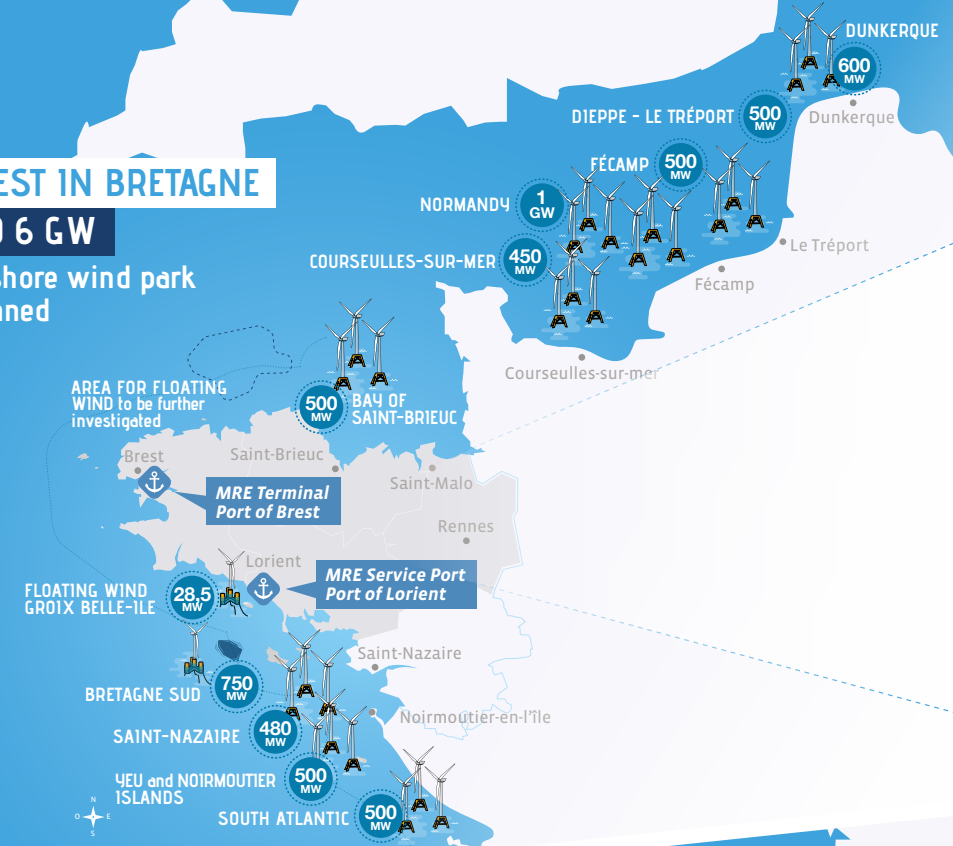
TIGER
TIDAL STREAM
INDUSTRY
ENERGIZER

Interreg
EUROPEAN UNION
France (Channel) England

testsites.bretagneoceanpower.fr

INVEST IN BRETAGNE INTO 6 GW

Offshore wind park
planned



TIDAL TURBINE TEST SITE

Paimpol Bréhat site

- Oceanic test site for full-scale turbine.
- 2MW grid connection
- Operated by EDF and Seeneoh
- Open Hydro and CMN HydroQuest tests from 2010 to 2021
- TIGER Interreg project

FLOATING WIND & WAVE ENERGY TEST SITE

Sainte-Anne-du-Portzic

- Geps techno, WEC and Eolink floating wind device tested
- DIKWE wave Energy converter test from 2021 (developer Legendre)

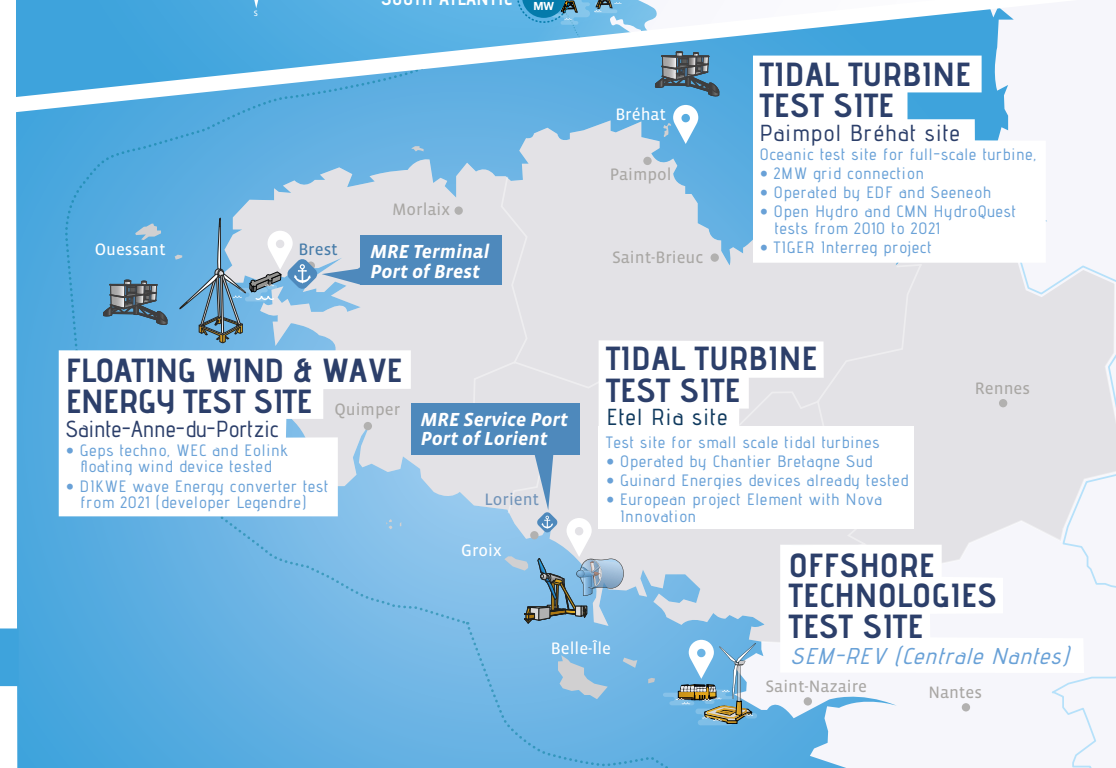
TIDAL TURBINE TEST SITE

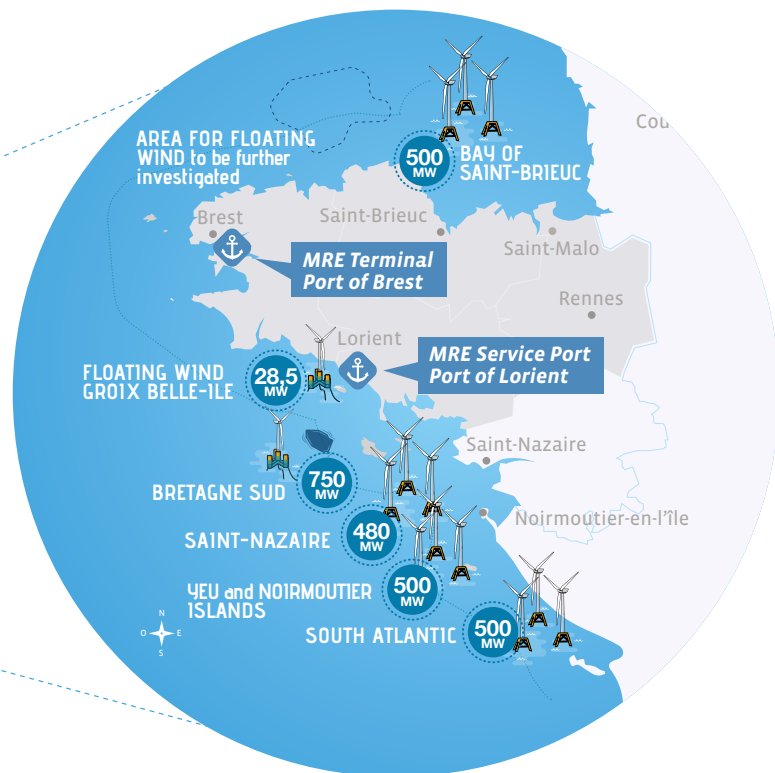
Etel Ria site

- Test site for small scale tidal turbines
- Operated by Chantier Bretagne Sud
- Guinard Energies devices already tested
- European project Element with Nova Innovation

OFFSHORE TECHNOLOGIES TEST SITE

SEM-REV (Centrale Nantes)





DEDICATED PORT INFRASTRUCTURE specialised for more efficiency

PORT OF BREST

A new terminal dedicated to large MRE projects:

- 40 ha OF INDUSTRIAL LOTS CONNECTED TO SEA AND TRANSPORT NETWORKS
- 380 LM OF DOCK WITH A HANDLING BERTH OF 100 m WIDTH
- FREIGHT PORT AND LOGISTIC HUB FOR EUROPEAN SEAWAYS
- HEAVY LIFTING CRANES UP TO 200 TONS
- 8 m CHANNEL ACCESS DEPTH: 8 m BELOW CD
- 12 m BERTH DEPTH ACCESS: 12 m BELOW CD
- 64 t/m² FROM 10 TO 64 T/M² LOAD BEARING CAPACITY
- LOCATED IN A PROTECTED ROADSTEAD WITH EASY ACCESS
- DEDICATED WORKSHOP OF 1375 M² WITH BRIDGE CRANE 50 TONS
- UNRESTRICTED ACCESS TO OPEN SEA & NO AIR DRAFT RESTRICTIONS
- 1st FRENCH PORT FOR SHIP REPAIR (3 DRY DOCKS)

PORT OF LORIENT

A logistic hub for installation and maintenance:

- SHeltered and ACCESSible BAy: UNRESTRICTED ACCESS TO OPEN SEA & NO AIR DRAFT RESTRICTIONS, EASY ACCESS 24/7, WATER HEIGHT OF 9M (+6M50 TIDAL RANGE)
- 2.5 ha 25 HA DEDICATED TO THE INSTALLATION STEP:
 - 800 LM OF QUAY
 - 13M CD DRAFT
 - RORO HANDLING
 - SUITABLE LIFTING EQUIPMENT INCLUDING A 30T CRANE AT 30M
- 1.5 ha MAINTENANCE BASE AND ASSOCIATED SERVICES:
 - 15 HA
 - 100 LM OF QUAY
 - 3M CD DRAFT
 - CREW FACILITIES
- SHIP REPAIR AREA WITH SHIFTLIFT UP TO 650 T AND 80 LM OF QUAY (8T/M²)
- 14 001 ISO CERTIFICATION

OFF-GRID SOLUTIONS

to become self-sufficient in energy

Ouessant Island is a **full-size demonstrator that proposes technical solutions to make it autonomous and integrating renewable marine energies.**

We operate on 3 levers:

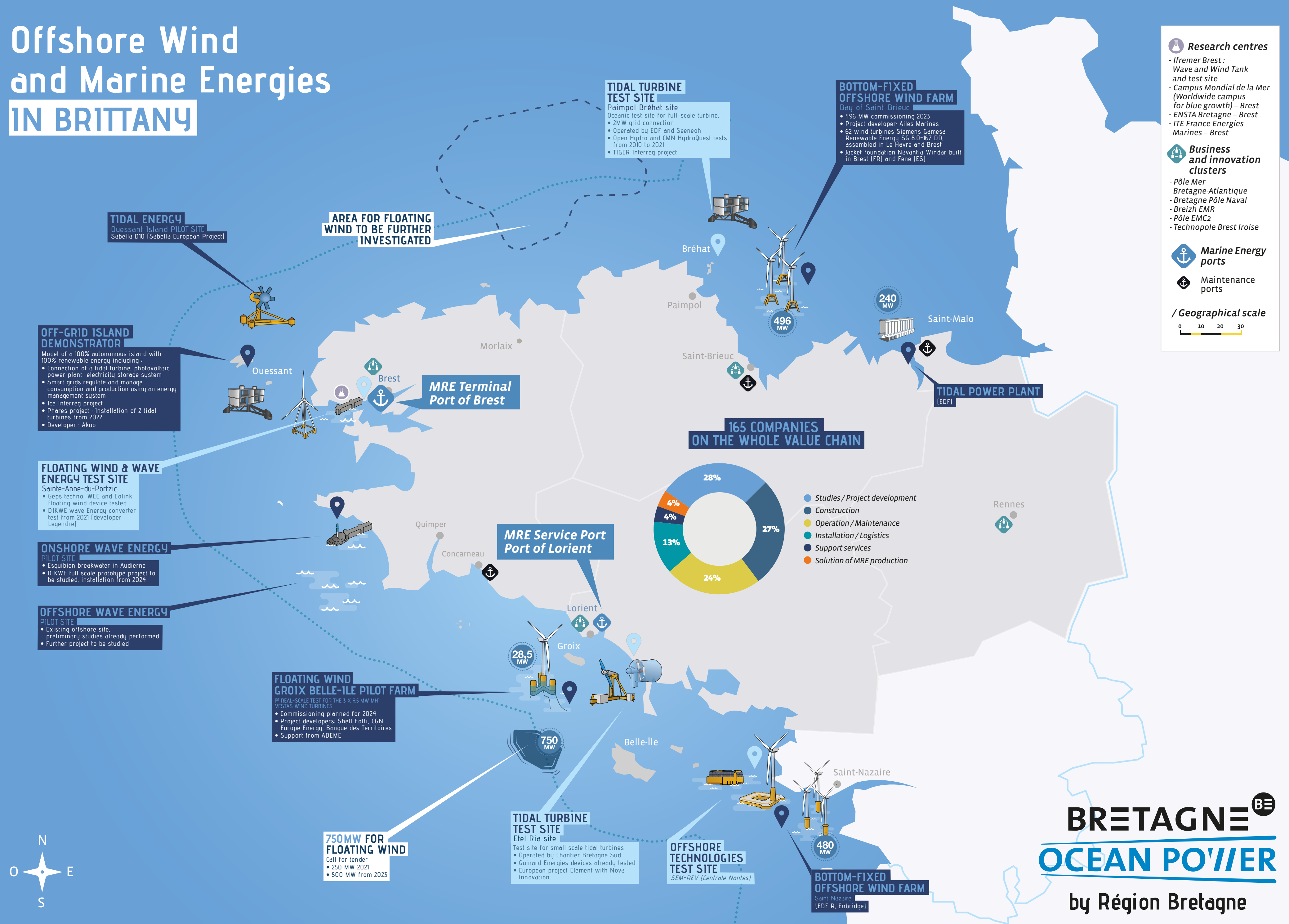
- Reduce and manage energy consumption
- Produce energy locally from sustainable sources
- Create and manage the local energy loop with a microgrid

This model can be extended to all territories that are isolated from a national electricity grid and wish to become autonomous and decarbonised.

Call us, we create the link with the companies who develop these solutions.



Offshore Wind and Marine Energies IN BRITTANY



BRITTANY, HOME OF FLOATING WIND

1ST COMMERCIAL PROJECT
AWARDED IN EUROPE



40GW by 2050
with a significant
part of floating



BRETAGNE
OCEAN POWER

BRETAGNE
COMMERCE
INTERNATIONAL

BRETAGNE
DÉVELOPPEMENT
INNOVATION

CCI BRETAGNE

**BREIZH
EMR**

**7TECHNOPOLES
BRETAGNE**

POLE MER
BRETAGNE ATLANTIQUE

bpn

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/ Have a project? Contact us!

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