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# RENEWABLE MARINE ENERGY



Industrial and Port-Based Performance  
Serving an Entire Sector



## CONTACTS

### BUSINESS UNIT ENERGY

**Ludovic Bocquier**

[l.bocquier@nantes.port.fr](mailto:l.bocquier@nantes.port.fr)

Tél. : +33 (0)2 40 44 20 71

### BUSINESS UNIT SAINT-NAZAIRE

**Laurent Connil**

[l.connil@nantes.port.fr](mailto:l.connil@nantes.port.fr)

Tél. : +33 (0)2 51 16 04 22

[www.nantes.port.fr](http://www.nantes.port.fr)

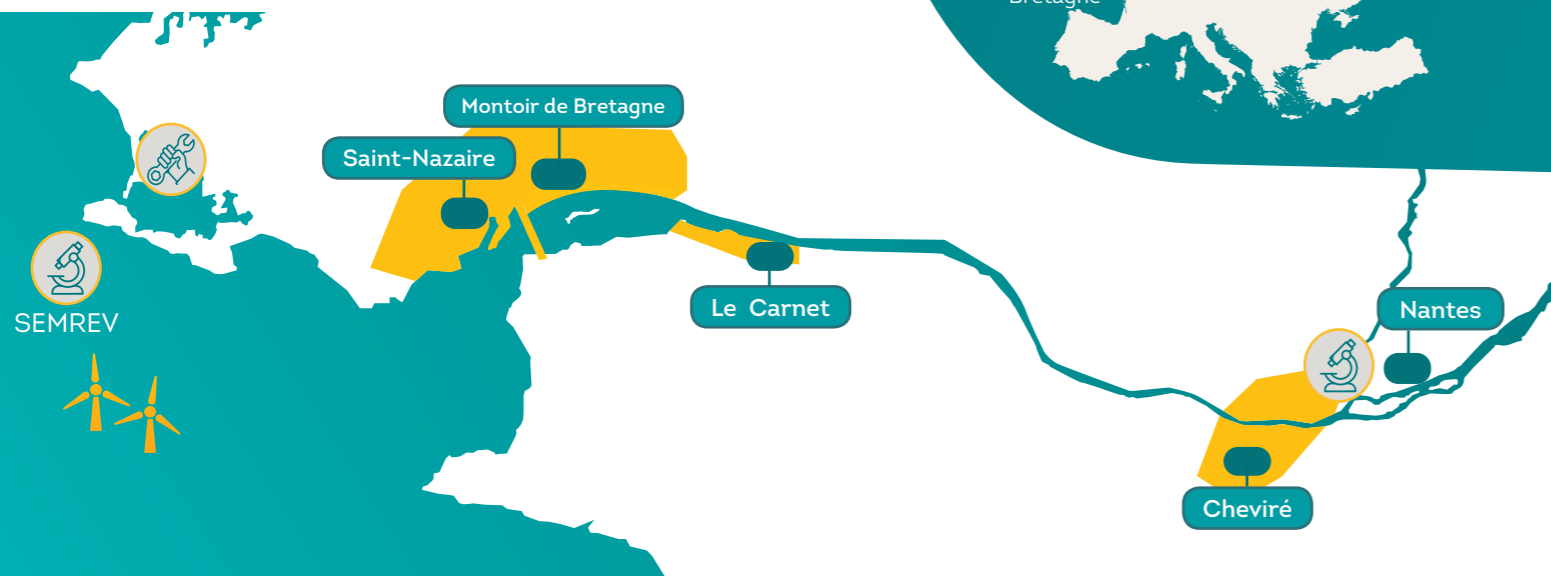


NANTES SAINT-NAZAIRE PORT | 18 quai Ernest Renaud BP 18609 | 44 186 Nantes Cedex 4 | France



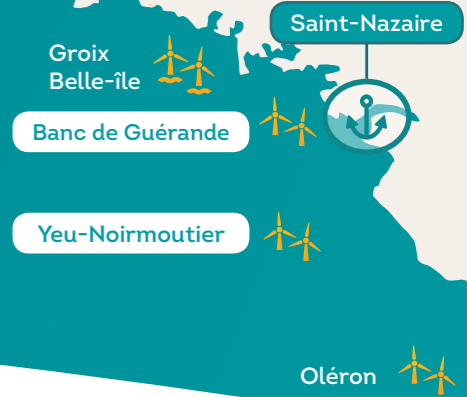
NANTES  
SAINT-NAZAIRE  
**PORT**

## THE LOIRE ESTUARY THE CRADLE FOR MRE



## POSITIONING IN THE HEART OF ATLANTIC WIND POWER PROJECTS

Offshore wind power projects representing **3 GW** already planned within 90 nautical miles of the coast



### MARKERS

**80 6-MW**  
**wind turbines**  
pre-assembled in Saint-Nazaire for  
the Banc de Guérande wind farm

**104 km**  
of inter-turbine cables unloaded  
at Montoir de Bretagne

**100 nacelles**  
produced each year at  
Montoir de Bretagne

**80 million euros**  
of investments dedicated  
to MRE since 2012

**15 hectares**  
in Saint-Nazaire, reserved for  
the storage and pre-assembly  
of wind turbines

**500 metres**  
of reinforced MRE quays with  
a bearing capacity of 15 T per m<sup>2</sup>

## SAINT-NAZAIRE AND MONTOIR DE BRETAGNE FULLY EQUIPPED & COMPLEMENTARY FACILITIES

### INFRASTRUCTURES AND EQUIPMENT

- Wheel-mounted mobile cranes
- Gantry cranes
- 400-tonne jumbo derrick
- Pontoons to receive CTVs
- Louis Joubert sluice dock
- Three dry docks for ship repair operations
- Heavy-duty road access
- Reinforced MRE quays
- Deep-water quay project (under consideration)

### REAL ESTATE AND STORAGE CAPABILITY

- Warehouses
- Industrial plants
- Pre-assembly facility (15 ha)
- Centre for industrial and logistical operations: real estate reserves (30 ha)

### INDUSTRIAL AND LOGISTICAL EXPERTISE

- Maritime coordination centre
- Inland waterway connections
- Centres of experimentation MRE R&D
- Maintenance centre
- Aerodrome/Heliport
- Saint Nazaire railway station (3 hrs from Paris)



The Saint-Nazaire pre-assembly facility.



## A NETWORK OF EXPERTS SERVING THE MRE SECTOR

**Industrialists, level 1 suppliers and their subcontractors:**  
EDF-EN, Chantiers de l'Atlantique, General Electric, Clemessy...

**Supply chain specialists:**  
Atlantique Manutention, Sogebbras, Scales, Compagnie Ligérienne de Transport (CLT), Terminal du Grand Ouest (TGO), Idea Groupe, Nantes Manutention, Montoir Bulk Terminal.

**An ecosystem of port players on hand:**

- Centres for competitiveness and an MRE cluster (Neopolia);
- Maritime professionals working to ensure safe, reliable in-port reception;
- High-added-valued solutions for all shipbuilding or ship repair work.



Unloading of wind turbine blades using port cranes in tandem.



The Floatgen floating wind turbine, during an operation in the Joubert sluice dock.

The General Electric plant at Montoir de Bretagne industrial site