

NORMANDY'S MRE PLAYERS

COMPANIES & BUSINESS

AD Normandie (Development Agency for Normandy) is the regional one-stop shop for economic aid and business development in Normandy.

In the marine energy sector, AD Normandie supports contractors in their search for Norman skills and helps companies with their development, innovation, export or establishment projects.

RESEARCH, DEVELOPMENT & INNOVATION

Normandy's Research, Development and Innovation (RDI) players meet several times a year to share their vision of RME (identify scientific and industrial barriers, communicate the progress of their current projects, organise events, exchange practical information and more).

They have jointly developed several topics on which they can provide their expertise to companies and develop their research. The most important of these topics are environmental impacts, energy storage, materials for RME and biofouling.

In conjunction with industry, they offer scientific support through flagship projects to advance RDI.

EMPLOYMENT & TRAINING

The Region, along with State services, leads an employment and training committee dedicated to RME, in line with the needs of consortiums and subcontractors. This committee coordinates the implementation of training linked to RME projects in the region.

- **Training for young people** from CAP level to engineer level at the initial training level and/or through an apprenticeship
- **Training for job seekers**, particularly in composite and maintenance trades

The training programme can be consulted at:
<https://parcours-metier.normandie.fr/>

- **A Normandy Energy Campus of Excellence** was created in 2020 in order to meet the need for jobs and skills in the sector through training.

SUBCONTRACTING & INDUSTRY

- **923 companies** registered on the CCI Business RME network
- **200 companies mobilised**, involved in the consultation process or in the deployment of a RME development strategy
- **Two sectors linked to RME:** «Normandie Energies» and «Normandie Maritime»
- **Strong skills rooted in the history of the region** in steel/boiler making, tooling, mechanics, logistics and maintenance.

CONTACT

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KEY FIGURES



FIRST EXPLOITABLE world potential for tidal power



FIVE OFFSHORE wind farm projects



TWO LARGE INDUSTRIAL PORTS with 200 hectares dedicated, a blade factory and a nacelle factory



THREE MAINTENANCE PORTS



TRAINING TAILORED to business needs



THIRTY-SIX research and innovation companies



190 BUSINESSES working in the sector



NORMANDY

THE DRIVING FORCE BEHIND MARINE ENERGY

With 640 km of coastline fanned by strong, prevailing winds and bordered by the powerful Raz Blanchard current, Normandy has exceptional natural assets for the development of projects linked to Renewable Marine Energy - RME (ocean energy and offshore wind power). Normandy also has a reputation for maritime engineering, with its port infrastructures and its sea-based industrial players, whether they specialise in shipbuilding, offshore services, training or research and development.

The Region has set itself 3 priorities: to organise and structure the Normandy RME sector, to promote Normandy as a major RME host region and to anticipate needs in every respect (equipment and infrastructure, training, etc.). The goal is to make Normandy, with all its partners (economic development agencies, consular chambers, major subcontracting and research networks, training and employment organisations, ports and local authorities), a reference territory for RME. Three of the five offshore wind farms planned to date in Normandy are under construction and the region's players have organised themselves to host all industrial production, logistics and operation and maintenance activities.

- **Establishment of blade construction and nacelle assembly plants** in the ports of Cherbourg and Le Havre; LM WIND POWER produces blades in Cherbourg and SIEMENS GAMESA in Le Havre also produces blades and assembles nacelles.
- **Construction of maintenance bases** in the ports of Caen - Ouistreham, Fécamp and Dieppe.

The Normandy Region has joined forces with SIMEC ATLANTIS and EFINOR in NORMANDIE HYDROLIENNES to promote the development of a tidal turbine industry from the Raz Blanchard.

PORT INFRASTRUCTURES IN NORMANDY

ACCESSIBLE 24 HOURS A DAY, 7 DAYS A WEEK – NO TIDAL CONSTRAINTS



PORTS OF NORMANDY

CHERBOURG PORT

Caen- Ouistreham Port / Cherbourg Port / Dieppe Port

- > €100M investment
- > 100 hectares dedicated to Renewable Marine Energies
- > The first heavy quay in France (15 T/m2)
- > A blade factory (LM Wind Power)
- > An assembly centre for the Courseulles/Mer - Fécamp and Dieppe Le Tréport wind farms



HAROPA

LE HAVRE PORT

- > €60M investment
- > 80 hectares available for industrial activities
- > 220m reinforced quay
- > Capacity to accommodate heavy/exceptional loads
- > Blade manufacturing and nacelle assembly plant (SIEMENS-GAMESA)
- > Construction of gravity foundations (EOHF)

CAEN-OUISTREHAM



FÉCAMP



DIEPPE



WIND AT SEA

3 PORTS DEDICATED TO OPERATION AND MAINTENANCE

The Caen-Ouistreham, Dieppe and Fécamp ports will host the maintenance bases of the Courseulles-sur-Mer, Dieppe-Le Tréport and Fécamp offshore wind farms, each of which will employ around one hundred people during the operating period (25 years).

