

Offshore wind

Our ambition is to develop, build and operate well-managed and forward-looking offshore wind projects for regions

EDF POWER SOLUTIONS, LEADING THE WAY IN OFFSHORE WIND

A recognized player in renewable energy, EDF power solutions — a subsidiary of the EDF Group — boasts over 15 years of expertise in offshore wind through projects currently under development, construction, or operation in France and around the world.

Offshore wind represents **an essential link in the energy transition** and offers significant geographic and technological development potential.

Driven by strong growth in this sector, the EDF Group is involved in large-scale projects that strengthen **its position as a major player in low-carbon energy production.**

OUR EXPERTISE IN OFFSHORE WIND

DEVELOPING WELL-MANAGED
RENEWABLE ENERGY PROJECTS
IN HARMONY WITH THEIR
SURROUNDINGS

BUILDING PROJECTS
WHILE STRUCTURING
AN INDUSTRIAL SECTOR

MANAGING OFFSHORE WIND
FARM OPERATIONS AND
MAINTENANCE



15+ years
of expertise
in offshore wind



500+
employees



9
projects
commissioned



2.3+ GW
in operation

Offshore wind: a *key pillar* of the energy transition

➤ *Harnessing offshore winds*

Offshore wind power involves harnessing sea winds, which are particularly strong and consistent, to produce renewable electricity off the coast.. **Wind turbines are installed either on "bottom-fixed" foundations on the seabed or on "floating" structures** connected to the seabed, notably via mooring lines.



BOTTOM-FIXED OFFSHORE WIND

Bottom-fixed offshore wind is a proven technology that enables **the development of large-scale wind projects at a maximum depth of 50 to 60 meters**, using various types of foundations depending on the nature of the seabed.

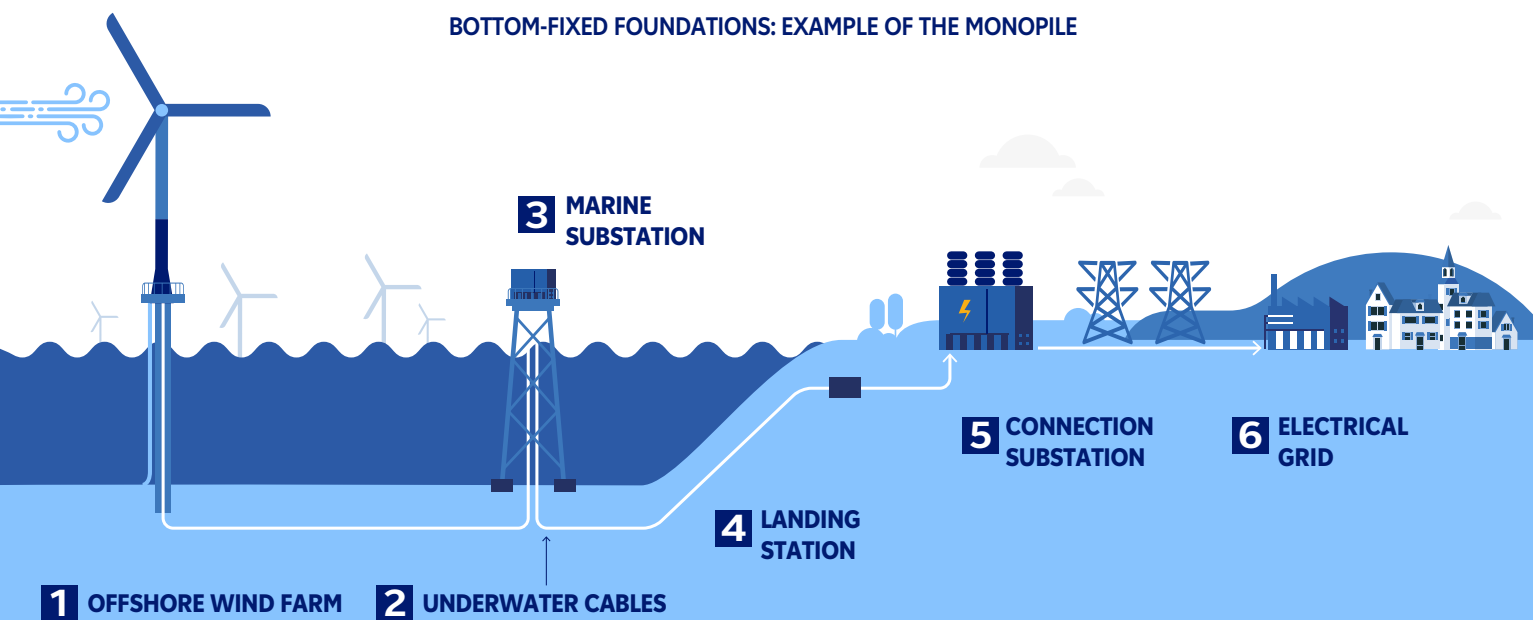


FLOATING OFFSHORE WIND

This more recent technology is rapidly expanding. It allows for the deployment of offshore wind turbines in deeper areas and **significantly increases the development potential of offshore wind** along coastlines with greater water depths.



HOW DOES AN OFFSHORE WIND FARM WORK? BOTTOM-FIXED FOUNDATIONS: EXAMPLE OF THE MONOPILE

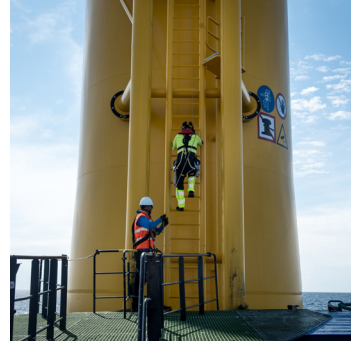


> Developing large-scale projects for the future of territories

INTEGRATING LOCAL STAKES

Our ambition is to understand and take into account local challenges to design tailored, consistent projects that respect human activities.

- **Coexistence of activities:** Conducting technical and socio-economic studies over several years, and engaging with all local stakeholders and sea users
- **Extensive field-based consultation:** Going beyond regulatory requirements to involve the general public and all stakeholders through constructive dialogue.



ACTING WITH RESPECT FOR THE ENVIRONMENT

Each project is based on a rigorous consideration of environmental challenges and relies on numerous studies conducted throughout the projects' life cycles.

- **Comprehensive environmental assessments** (marine mammals, birdlife, fishery resources, water quality, currents, benthos, etc.) conducted by recognized experts, in collaboration with local organizations (environmental protection associations, fisheries committees, research laboratories, etc.).
- **Measures to mitigate and avoid the impact** of offshore wind farms during the construction and operation phases, accompanied by a comprehensive set of environmental monitoring programs.
- **Integration of landscape considerations in project design:** Turbine alignment and consideration of significant viewpoints.

CREATING ECONOMIC OPPORTUNITIES

We bring all stakeholders together and ensure that our projects serve as drivers for economic growth within the territories.

- **From the development stage onwards,** we support the implementation of training programs tailored to our professions and those of our subcontractors, in order to ensure sustainable, skilled employment.
- **Prior to construction,** we work with local economic actors to identify available skills by coordinating a network of SMEs and large companies.
- **During the construction phase,** we ensure that activities are created in close proximity to the projects.



7,000+
jobs

mobilized for the construction
of the Saint-Nazaire, Fécamp,
Calvados, and Provence Grand
Large wind farms.



Follow our offshore wind projects in France:

parc-eolien-en-mer-du-calvados.fr

parc-eolien-en-mer-de-dunkerque.fr

parc-eolien-en-mer-de-fecamp.fr

parc-eolien-en-mer-de-saint-nazaire.fr

parc-eolien-en-mer-manche-normandie.fr

provencegrandlarge.fr

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