

ENERGY & TRANSITION

NORMANDY, A LAND OF ENERGIES



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CHOOSE NORMANDY FOR YOUR PROJECT

A major provider of nuclear, thermal and renewable energy, Normandy is **the leading French region for energy in terms of employment and regional GDP**. Whilst the vast majority of electricity production is from nuclear, and exported to other French regions and the UK, the region also sets itself apart through its aim **to diversify the energy mix**. The production of **renewable energy** has been doubled over the last 10 years, with the deployment of renewable maritime energy and hydrogen. Leader in the field of energy transition, Normandy is committed to pursuing this goal as a vector for regional development.

KEY SECTOR DATA

Hydrogen
Leading French region for hydrogen



› **Renewable maritime energy**

4 GW developed from 5 planned or under development offshore wind farms along the Normandy coast by 2030

Biogas
methanisation units and 160 projects



› **Solar**
4 large solar farms producing 36 MW

Nuclear
17 % of national nuclear capacity
11 % of French electricity production



› **Petrol**
39 % of French refining capacity (leading French region)

FROM MICRO-COMPANIES TO LARGE INTERNATIONAL CORPORATIONS

- › Air Liquide
- › Ariane Group
- › Chereau
- › Efinor
- › Enercoop
- › FEV
- › Siemens Gamesa
- › Sogestran

DYNAMIC REGIONAL STAKEHOLDERS

COMMITTED REGIONAL PARTNERS

› Normandie Énergies

Normandie Énergies supports the economic development of the sector and guides the ecological transition of the region. It brings together 270 sector stakeholders around 4 hubs: renewables, nuclear, petrol and new uses

› Normandie Maritime

Since 2018, Normandie Maritime has had the aim of promoting and developing the regional maritime and river sector

LABORATORIES, RESEARCH & INNOVATION

› Laboratories

Coria, Greah, LCS, Lusac, Institut Carnot, CNRT matériaux, Crismat, Esix, Certam...

› Campus H2 Académie

Technical higher-level training platform developing the skills needed for the hydrogen sector

THE STRENGTHS OF THE REGION

HYDROGEN IN NORMANDY

- › Skills developed over time for the production, storage and use of hydrogen in total safety (petrochemicals, chemicals and aerospace)
- › A large consumer of hydrogen at a regional level. Normandy consumes 350 000 tons of the 900 000 tons consumed in France every year (38% of national production)
- › 10 H₂ recharge stations already rolled out in Normandy (Eas'HyMob project)
- › Largest test site in Europe for liquid hydrogen (Ariane Group in Vernon)
- › Development of the largest production project for H₂ - Normand'Hy
- › Hydrogen Normandy: In October 2018, the Normandy Regional Council became the first French region to approve its support plan for the hydrogen sector, with a budget envelope of €15m over 3 years. This plan had two objectives:
 - To accelerate the energy transition and decarbonisation of the economy
 - To make this a key sector in Normandy

MARINE RENEWABLE ENERGIES IN NORMANDY

- › Leading French potential for marine renewable energies, with 200 hectares available
- › Natural geographical advantages to the development of offshore wind. Half (5 out of 10) of the planned offshore wind farms are in Normandy
- › Port infrastructure and skills to host the activities associated with the use and maintenance of offshore wind farms, from Le Havre, Cherbourg and Dieppe, as well as Caen-Ouistreham and Fécamp
- › The Siemens Gamesa factory for the production of wind turbines in Le Havre
- › A sea-front with over 640 km of coast

L'AD NORMANDIE HELPS TO GUIDE YOUR PROJECT

The **WELCOME PACKAGE** offered by our dedicated team is a **free service** with **total confidentiality**



YOUR NEEDS

Opportunity analysis,
real estate
human resources



CONNECTIONS

Administrative formalities,
financial backers
business introducers



OUR GUIDANCE

Partnerships & networks
personalised guidance



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