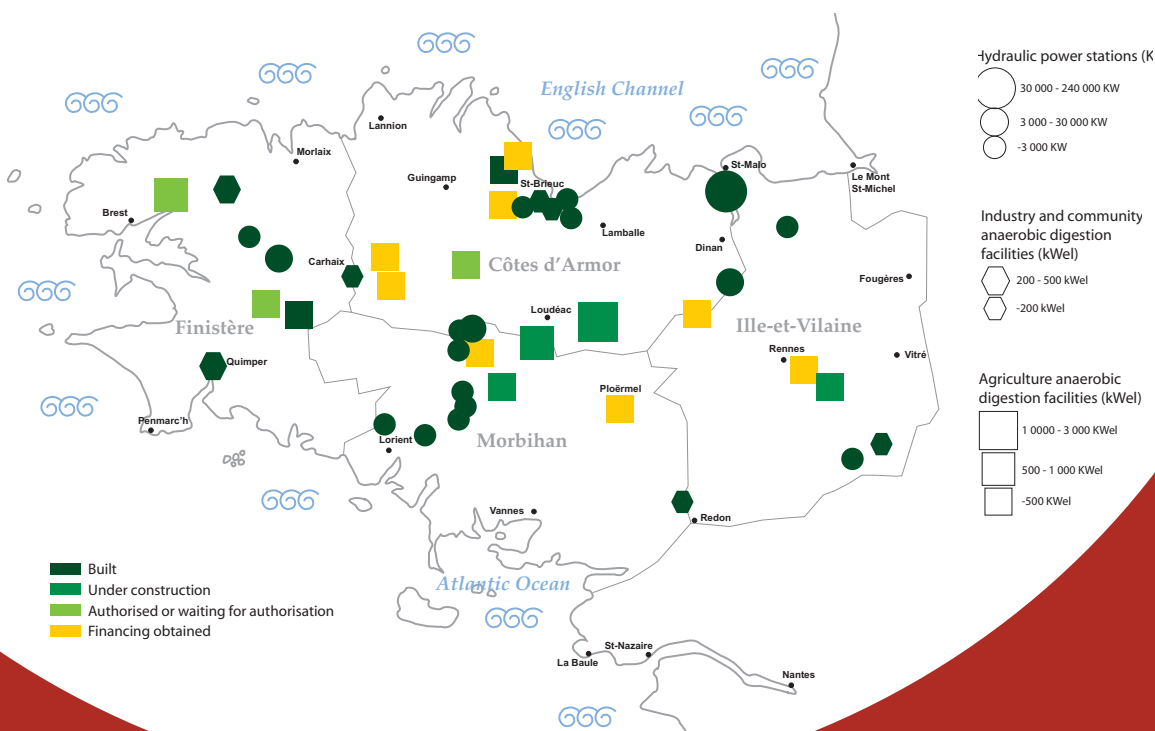


Invest in Bretagne



- Anaerobic digestion**
- Cogeneration**
- Geothermal**
- Inland & offshore hydraulic**
- Onshore & offshore wind**
- Small wind**
- Solar**
- Wood heating**



Bretagne,
Land of excellence & innovation in
Renewable Energies

Bretagne facts & figures

- Today **only 8%** of electricity used in Bretagne is produced in Bretagne
- Energy consumption has grown **27%** since 1990
- Bretagne government strongly committed to enhancing energy savings and new sources of energy
- One of the fastest growing regional populations



Actors

Anaerobic Digestion

- AEOLUS
- AEB-Methafrance
- Armorgreen
- Biogaz Planet
- Biogas Nord
- Eau et Industries
- Envitec Biogas
- EVALOR
- Odipure
- Naskeo
- NASS-et-WIND Energies Nouvelles
- Quéénéa
- Vitalac
- VSB énergies nouvelles...

Small Wind

- Mercinat
- Windeo
- Wind Electric (manufacturer)...

Solar

Manufacturers:

- Jabil
- Silla...

Installers:

- ABSOLIS System
- AEB
- Armor Green
- Niusolar
- Breizh Energy
- Facilasol
- France Panneaux solaires
- IEL Energie
- Inovasol
- Langa Solar
- Niusolar
- NRJbio
- Quéénéa...

Wood

- Facilasol
- IGEO
- NASS-et-WIND Energies Nouvelles
- Quéénéa...

Institutions & Associations

- Abibois (Wood industry association)
- ADEME (Environment & energy management Agency)
- AILE (Association of local initiatives for energy mgmt)
- CIELE (Information center for energy and environment)

Events

- Salon Européen du Littoral (Coastlines), Lorient
- Carrefour des Gestions Locales de l'Eau (Water), Rennes
- CFIA (Agri-food), Rennes
- Salon du Développement Durable (Sustainable Development), Brest
- SPACE (Farm Management), Rennes
- Viv'Expo (Eco-Living), Rennes

The region of Bretagne is committed to several energy saving initiatives:

- Reduce by 20% energy consumption by 2020
- 30% of energy consumed created in the region by 2020
- Divide by 4 the CO₂ emissions by 2050

Energy Type	Installed Capacity Regional Targets	National Feed-in Tariffs
Onshore Big Wind	1,800 MW by 2020	8.2 c€/kWh/10 years then 2.8 to 8.2 c€/kWh
Offshore Big Wind	500 MW by 2015 1,000 MW by 2020	13 c€/kWh/10 years then 3 to 13 c€/kWh
Wood	100 MW by 2013	N/A
Cogeneration	50-100 MW by 2013	6.1 to 9.15c€/kWh <i>depending on gas prices, duration and capacity</i>
Anaerobic digestion	150 MWeI by 2020	7.5 c€/kWh + (up to 5.5 c€) <i>depending on capacity and use over 15 years</i>
Offshore Hydraulic	1-3 prototypes by 2013 1 test center by 2015	6.07 c€/kWh + (0.5 c€ to 4.18 c€) <i>depending on capacity and regularity over 20 years</i> 15 c€/kWh sites in the sea
Thermal solar	5,000 m ² /year by 2013	N/A
Photovoltaic	400 MW by 2020	Integrated in roof 40-46 c€/kWh Simplified integration 28-30 c€/kWh Other installations 28-35 c€/kWh <i>depending on capacity and building type</i>
Small Wind	Support for innovation	8.2 c€/kWh no special feed-in rate <i>permit not required if <12 m high</i>
Geothermal	Support for innovation	12 c€/kWh + (up to 3 c€/kWh) <i>depending on site capacity</i>
Inland Hydraulic	Support for innovation	6.07 c€/kWh + (0.5 c€ to 4.18 c€) <i>depending on capacity and regularity over 20 years</i>

Tax Credit

The French government also supports energy savings by granting a tax credit to people installing ecological appliances in their house.

Equipment	Tax credit rate
Condensing boiler	15%
Thermal insulation material for opaque partitions	25%
Thermal insulation material for glass walls, outdoor doors	15%
Heating regulation device	25%
Electricity generator (solar, wind, hydraulic)	50%
Heating device (wood or biomass)	25%*
Heat pump (air, water) for heat production	25%
Heat pump with buried sensors (incl. installation of the buried heat exchanger) for heat production	40%

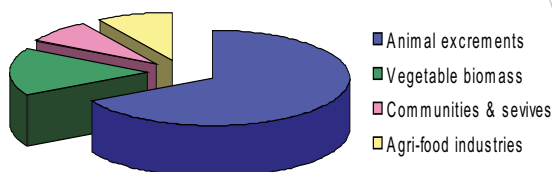
*(for the replacement of an existing system)



Anaerobic Digestion: High Potential in the Largest French Livestock and Agrifood Region

Bretagne has a huge potential for biogas production and a strong engineering know-how in livestock material and building as well as in manure/waste treatment.

The Region's "Plan Méthanisation Bretagne" strives to enhance the creation of an efficient and competitive anaerobic digestion industry in Bretagne.



Inland Hydraulic Energy: 600 GWh/year

Bretagne counts a dozen small hydraulic power stations. Among them, the Rance Tidal Power Station is the world's first tidal power station. The facility is located on the estuary of the Rance River, in Northern Bretagne. Opened on the 26th of November 1966, it is currently operated by EDF, and is the largest tidal power station in the world in terms of installed capacity. With a peak rating of 240 Megawatts, generated by its 24 turbines, it supplies yearly 550 GWh, roughly the needs for a city of 222,000 people.

Wood Heating: 3 900 GWh/year

- 4.4% of the Breton energy consumption
- 1,175,000 m³ of billets consumed in Bretagne every year
- 405,000 households equipped with wood heaters
- 315,000 metric tons of oil equivalent produced

The Bretagne Wood Energy Development Plan 2007-2013

- Facilitating the construction of calorifiers
- Ensuring a quantitative and qualitative wood offer
- Encouraging self-sustaining wood consumption among farmers

Objectives 2013:

- A 100,000 metric ton increase of wood chip production
- 100 MW installed
- A 70,000 metric ton decrease in CO₂
- A 30 M€ turnover generated in the wood energy sector
- 96 calorifiers in communities and industries for a cumulated heating power of 87 MW
- 157 calorifiers among farmers for a cumulated heating power of 6 MW
- 85,000 metric tons of wood consumed every year
- 27,500 metric tons of oil equivalent saved every year

Solar Thermal Power: 11 GWh/year

Since 2001, thermal solar energy dramatically took off in Bretagne. Starting from almost nothing in 2001, 3,000 installations representing 25,000 m² produced 11 GWh in 2008.

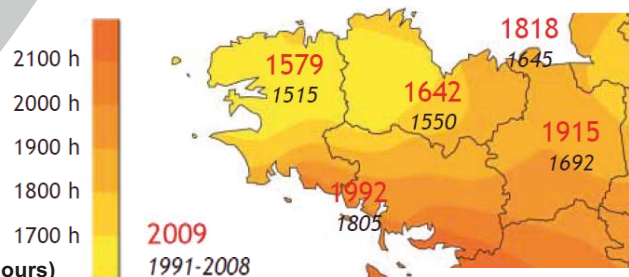
Photovoltaic Solar Power

Photovoltaic solar power is also growing strongly. 23.8 MW installed and 46 MW in the pipeline (figures 2009 for Western France).

Testimonial

“The Bretagne region shows some similarities with Northern Germany where our headquarters are located. Wind and mild temperatures allow an optimum yield of the photovoltaic cells. In addition, the strong agriculture and agri-food sectors represent for us a non-negligible market.

Torsten Johnson,
Founder and Director of Solar Direct



Insolation (hours)

Tax Credit for Research and Development

The Finance Law of 2011 updates the tax credit for R&D in France

Applications can be made simply by completing a straightforward form to be submitted at the same time as the corporate tax return.

The amount of tax credit given to the company is equal to:

- 40% of R&D expenses the 1st year
- 35% of R&D expenses the 2nd year
- 30% of R&D expenses the 3rd year and for all of the following years
- These rates apply to the first 100 M€ of R&D expenses, over and above this amount the tax credit is equal to 5%

The R&D expenses

All R&D expenses are taken into account:

- Staff costs (gross wages and social contributions) for researchers, engineers and technicians working directly on research
- Patent filing and maintenance costs
- Amortization of patents acquired for research purposes
- 50% of standardization costs
- Spending on patent defence and technology watch done within the European Union.

Bretagne International

Bretagne International is a non-profit association of private companies located in Western France. We have been commissioned by the Regional Government of Bretagne to assist Breton companies in their international development, to identify and support foreign companies planning to expand their business into Europe/France through presence in Bretagne.

We provide free confidential assistance through the different stages of your project to expand your business.

Data collection

- Market validation
- Supplier, partner and customer identification
- Availability and skills of workforce
- Financial incentives
- Cost assessments (salaries, taxes...)
- Labour laws

Business meetings

Based on your requirements and your project, we tap into our long experience with Breton companies, our excellent knowledge of the regional know-how and the region's economic environment. We will work with you to set up a series of meetings with key business leaders in the region.

Site proposals

With the support of **Bretagne Développement Innovation**, we can submit to you a selection of sites according to your needs (greenfield, industrial buildings, offices...).

Assistance before, during and after your installation

We help you with all your administrative formalities:

- Law firm, accounting firm, bank and insurance recommendations
- Capital raising orientation
- Creation of your local structure
- Staff recruitment
- Arrival of your expatriates and their families...

Meet us at:

- **CEP**, February, Stuttgart, Germany
- **Salon des Energies Renouvelables**, February, Lyon, France
- **Ecobuild**, March, London, the United Kingdom
- **Ecobat**, March, Paris, France
- **Energiesparmesse**, March, Wels, Austria
- **Solar Expo & Green building**, May, Verona, Italy
- **SIREME**, June, Paris, France
- **Renewable Energy**, July, Chiba, Japan
- **Biogaz Europe Conference**, September, Lyon, France
- **Energy Solutions Expo**, October, London, the United Kingdom
- **Pollutec Horizons**, November, Lyon, France

Bretagne International

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