

Market study

The Market for Offshore and Onshore Wind Energy in France until 2030



- General framework having an impact on the expansion of wind energy in France
- Modification of the authorization procedures for Onshore-Wind farm projects (ZDE and SRCAE)
- Actual call for tenders for offshore wind farms in France
- Market structure and major competitors
- Development of wind energy in three scenarios with different premises.

The development of wind energy in France is compared to other European countries still far behind. So far, only onshore wind farms have been installed although the first call for tender for offshore wind farms took place in 2004 and the construction of the first offshore wind farm was already approved in 2008. Yet, due to several judicial procedures, the construction of this offshore wind farm still has not begun and might never become profitable. It should therefore be transformed into a demonstration project, kind of a French “alpha ventus”.

Nevertheless, the French government aims at building a total wind capacity of 25,000 MW by 2020, splitted between 19,000 MW onshore and an offshore wind capacity of 6,000 MW. Currently, the first call for tenders for Offshore-Wind farms has started and many consortiums were set up by big French utilities. The bids can be submitted until 12 January 2012 and the winners are expected to be announced by the French government in April 2012.

We established scenarios underlining the development of the offshore wind energy until 2030. Contrarily to the government, we do not expect a start of operation of the offshore wind farms in 2015, but in 2016 or even 2017, delays in the construction are not be excluded due to lawsuits or shortage in required infrastructures.

While the attention is currently concentrated on offshore wind energy, the potential for onshore wind energy has not been exhausted. If some regions are tackling the issue very actively, the national government tightens up the authorization procedures for onshore-Wind farms. As a result the onshore target appears as unrealistic and too ambitious.

The market study “The Market for Wind Energy in France until 2030” presents actual and future developments of offshore and onshore wind energy in France by depicting the general context and planned capacities. This allows the examination of the market expansion according to different scenarios.

In addition, the study provides answers to the following questions:

- What is the current approval procedure of wind farms?
- What are drivers and barriers to the expansion of the market?
- What is the current situation in the call for tenders for offshore wind farms?



Illustration 1: French offshore development areas within the first round of call for tenders and harbours for the offshore wind energy (Source: CRE, 2011)

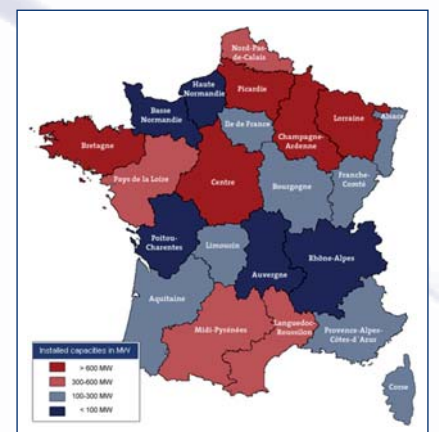


Illustration 2: Actual installed capacities of onshore wind energy in French Régions (Source: wind:research, based on suivi-éolien)

Aims and benefits of the study

Based on the planned wind farm projects in France, this study provides an analysis of the development of capacities and prices in the market for wind energy in France until 2030. In addition to a quantitative analysis of the market shares and volumes, a qualitative approach presents the general framework of offshore wind energy in France (legal, economic but also barriers and drivers of the market).

Methodology

Wind research uses a variety of field and desk research methods. In addition to extensive intra- and internet-database analyses (including magazines, publications, conferences, annual reports, etc.), interviews took place with the following target groups:

- equipment manufacturers
- suppliers
- project developers
- wind farms operators
- port authorities
- experts

To whom the study is addressed

The market study provides French and foreign manufacturers, suppliers, project developers and service contractors with insights about the development of the wind energy sector in France until 2030. It depicts the current situation in both onshore and offshore markets and the potentials in those sectors. Moreover, it focuses on French market players so that foreign companies can understand and apprehend their position in the wind industry.

Thus, the study helps companies to derive appropriate strategies can be derived, not only for established companies in the wind sector, but also for potential new entrants.

List of contents

1	Executive Summary	
2	Framework of the Offshore and Onshore Wind Energy in France	19
2.1	Legal Framework	19
2.1.1	European directives	19
2.1.2	National legislation	20
2.2	Economic context	24
2.2.1	General economic conditions	24
2.2.2	Electricity prices in France	26
2.3	Energy Mix	28
2.3.1	Electricity Mix	28
2.3.2	Electricity Grid	29
2.4	Geographic conditions	31
2.4.1	General geographic characteristics	31
2.4.2	For the wind energy relevant geographical conditions	32
3	Offshore Wind Farms Projects in France	38
3.1	List of offshore wind farm projects	38
3.2	Clusters for the Offshore Wind Energy	40
3.2.1	Le Havre Développement	41
3.2.2	Bretagne Pôle Naval	42
3.2.3	Néopolia "Marine Énergies"	42
3.2.4	Ecoparc de Blanquefort	43
3.3	Programme EOLÉ 2005	43
3.3.1	Call for tender	43
3.3.2	Status quo: Project Côte d'Albâtre, a French "alpha ventus"?	45
3.4	Call for tender from 12.07.2011	46
3.4.1	Areas	46
3.4.2	Selection Criteria	48
3.4.3	Schedule	50
3.4.4	Tenders	51
3.5	Second call for tender expected in April 2012	53
3.6	Promised production sites in France	54
3.6.1	Creation of value in France	55
3.6.2	French ports for the offshore wind energy	56
4	Onshore Wind Farms in France	70
4.1	Political goals for the expansion of the Onshore Wind Energy	70
4.2	Authorisation procedure for Onshore wind farms	72
4.3	Already installed capacities	73
4.3.1	Total capacity	73
4.3.2	Per Region	74
4.4	Clusters for the Onshore wind energy	76
5	Value Chain and Technologies for Wind Energy	78
5.1	Value chain Onshore	78
5.2	Value Chain Offshore	80
5.3	Technologies and Innovation	86
6	Market for wind energy in France until 2030	88
6.1	Methodology	88
6.1.1	Scenario analysis	89
6.1.2	Market model	90
6.1.3	Overview of scenarios	90
6.1	Hypotheses for the market expansion	92
6.1.1	Common assumptions for all scenarios	92
6.1.2	Scenario-specific variables	97
6.2	Overview of the different scenarios	105
6.2.1	Scenario 1: worst-case scenario	105
6.2.2	Scenario 2: baseline scenario	105
6.2.3	Scenario 3: best-case scenario	106
6.3	The market for wind energy in France until 2030	107
6.3.1	The market for offshore wind energy in France until 2030	107
6.3.2	The market for Onshore wind energy in France	111
7	Trends and Issues for Market Players	116
7.1	Market shares according to players	116
7.1.1	Offshore	116
7.1.2	Onshore	116
7.2	Overview of big players	118
7.2.1	Alstom	118
7.2.2	AREVA Wind	122
7.2.3	La Compagnie du Vent (subsidiary of GDF Suez)	125
7.2.4	DCNS	129
7.2.5	EDF EN	131
7.2.6	Eiffage	135
7.2.7	Nass&Wind	138
7.2.8	STX France	141
7.2.9	Technip	144
7.2.10	Vergnet	148
7.2.11	Vinci Constructions	151
7.3	Trends in the wind energy	155
7.3.1	Political trends	155
7.3.2	Technology trends within the offshore wind energy	156
7.3.3	Technology trends within the onshore wind energy	157
7.4	Market opportunities and issues	158

List of illustrations

Illustration 1:	Tender areas and bidding consortiums	13
Illustration 2:	Offshore Wind Energy Capacity in France	14
Illustration 3:	Installed capacity per region in November 2011	15
Illustration 4:	Onshore Wind Energy in France until 2030	16
Illustration 5:	Market shares of the major wind turbines producers in France	16
Illustration 6:	Development of the electricity prices in France since 2000	26
Illustration 7:	Market share of the biggest electricity generator in France that is EDF	27
Illustration 8:	Electricity production in France in 2010 per energy carrier (Source: Own representation on the basis of RTE, 2011)	28
Illustration 9:	Transmission Lines in France	30
Illustration 10:	French Exclusive Economic Zone	33
Illustration 11:	Bathymetric on North and West coast of France	34
Illustration 12:	Bathymetric on the Mediterranean Sea	35
Illustration 13:	Average wind speeds in France in 2010	36
Illustration 14:	Map of French wind farm projects	40
Illustration 15:	Cluster for Offshore Wind Energy	41
Illustration 16:	Location of the first consented offshore wind farm project in France	45
Illustration 17:	Tender areas	47
Illustration 18:	Schedule	50
Illustration 19:	Promised production sites and research centres for the offshore wind energy	55
Illustration 20:	Installed wind capacity in France since 2000	74
Illustration 21:	Installed capacity per region in November 2011	75
Illustration 22:	Proportion of domestic energy consumption	76
Illustration 23:	Cluster for onshore wind energy	76
Illustration 24:	Value Chain in wind energy	78
Illustration 25:	Value Chain Onshore	78
Illustration 26:	Value Chain Onshore	79
Illustration 27:	Value Chain in wind energy	80
Illustration 28:	Representation of the impacts of exogenous shocks on the market volume	89
Illustration 29:	Market scheme	90
Illustration 30:	Representation of the impacts of the assumptions on the market development	91
Illustration 31:	Evolution of French population between 2005 and 2030	92
Illustration 32:	Total installed capacity in French waters by 2030	107
Illustration 33:	Offshore Wind Power Generation in France until 2030	109
Illustration 34:	Total number of wind turbines installed in French waters by 2030	109
Illustration 35:	Market volumes for Offshore Wind Energy in France until 2030	110
Illustration 36:	Total installed capacity in France by 2030	111
Illustration 37:	Onshore Wind Power Generation in France until 2030	112
Illustration 38:	Total number of wind turbines installed in France by 2030	113
Illustration 39:	Market volumes for Onshore Wind Energy in France until 2030	114
Illustration 40:	Market shares in Onshore Wind Energy	117
Illustration 41:	Opportunities and Issues of On-and Offshore wind energy in France	160

List of tables

Table 1:	Overview of the French economy	26
Table 2:	Overview about planned and aborted project across French coasts	39
Table 3:	Overview of the feed-in-tariffs for offshore wind energy in France	44
Table 3:	Tender areas	47
Table 4:	Indication about electricity prices produced by the different wind farms	49
Table 6:	Overview of consortia in the call for tender 2011	51
Table 7:	Political goals for expansion distributed to different Régions	71
Table 8:	Feed-in-tariffs for onshore wind energy in France	71

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