

Clustering and Networking Opportunities for Renewable Energy SMEs



Business Support on Your Doorstep

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FORTH

Help-Forward Network

Science Technology Park of Crete

Chania 15/09/2011

Europe 2020: 3 pillars, 7 flagships

Smart Growth developing an economy based on knowledge and innovation	Sustainable Growth more efficient, greener and more competitive economy	Inclusive Growth fostering a high-employment economy delivering social and territorial cohesion
Innovation “innovation Union”	Climate, energy and mobility “Resource efficient Europe”	Employment and skills “An agenda for new skills and jobs”
Education “Youth on the move”	<ul style="list-style-type: none"> • Europe 2020 Headline indicator: 3% GDP for R&D • Proposed new indicator for innovation: Share of fast-growing innovative firms 	
Digital society “A digital agenda for Europe”		

Europe 2020 Strategy « for a smart, sustainable and inclusive growth ».

- **Smart growth** : Innovative Union flagship initiative : refocusing R&D and innovation policy on major challenges for our society like(...) energy and resource efficiency (...)
- **Sustainable growth** : An industrial policy for the globalization era flagship initiative « industrial policy that will support SMEs (...) by supporting entrepreneurship » and promoting clusters.
- **Inclusive growth** : European platform against poverty

European cluster -support policy

Strategy, funding programmes
and related projects

European cluster-support policy

Biofuels : <http://www.biofuelstp.eu/>

Smartgrids: <http://www.smartgrids.eu/>

Wind Energy: <http://www.windplatform.eu>

Photovoltaic : <http://www.eupvplatform.org>

National cluster-support policies

Focus on Energy clusters

France

« Pôles de compétitivité » (competitiveness clusters)

EUR 1,5 billion from the State, between 2006-2008

+

EUR 1,5 billion 2009-2011.



News Flash

Our European partners:



Gilles Charier - General Manager • Virginie Garrel - Project Manager
Thomas Recoing - Information Manager • Maryline Chiavola - Assistant

- **Energy- producing buildings in a Mediterranean Climate** :performance optimisation and integration of renewable energy sources
- **Network managements and energy storage** (electricity, heating, cooling) interconnecting homes with energy generation sites;
- **Energy production outside buildings** whether by supply from isolated sites or through grid connected systems.

Cluster Energía - BILBAO - Spain

Cluster Energía



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7 February, 2011

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BOLSA TRABAJO



Cluster de Energía

The integral response to the necessities of the power industry

The Cluster's Areas of Activity: Bringing co-operation to specific projects

Precisely because the Cluster's main competitive advantage is its capacity to provide a framework for co-operation among its members, its normal activities are generally centred on areas where projects may be set up which put the Cluster's philosophy into practise:

:: Support for Internationalisation and in the search for Financing

- Joint commercial strategies on external markets and improvement in capacity for financing investment projects.

- Creation of mechanisms for co-ordination / co-operation to enable access to international projects.

- Definition of actions to be taken to improve commercial activity, and intensify presence on various potential markets.

- Establishment of a fund for financing international projects.

- ▶ Energy in Basque Country
- ▶ Energy Cluster
- ▶ Areas of operation
- ▶ Activities
- ▶ **Areas of Activity**
- ▶ International Activity
- ▶ Contacts
- ▶ Experience

Energy Cluster - LOMBARDIA - Italy

Industrial plant engineering in Italy and Lombardy region

- The Italian industrial, civil and infrastructural plant engineering chain , 2009 profit :
145 billion Euros (source Federprogetti)
- **Power generation** sector (production and distribution plants and components): equal to 15% - **18 billion Euros** (source Federprogetti)



50% of plant engineering in Lombardy region

In the Lombardy region power generation stands for:

Turnover: more than 9.000 billion Euros in 2009

About 23.000 employees

500 companies located in every Lombardy province (source: Energy Cluster estimate)



Energy Security - PENRYN - UK



ENERGY SECURITY
in a MULTIPOLAR WORLD

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About Us

Energy Security in a Multipolar World is an interdisciplinary research cluster led by the University of Exeter and the University of Sussex, which brings together experts in energy policy, international relations and supply chains to examine the following issues:

- oil and gas supply chains
- energy infrastructure
- vulnerability of supply chains
- international relations in a multipolar world
- development of new technologies and their supply chains
- concerns about delivery and availability of low carbon technologies
- institutional changes required to deliver major cuts in energy demand
- potential of individual and local actions to improve energy security
- legal implications and possibilities

ENEOP - Wind cluster - Portugal

What is wind energy?

Wind energy in Portugal

Wind energy in the world



ARQUIVOS

LINKS

INEGI

Direcção Geral de Energia

The industrial cluster

A cluster of 29 Portuguese and foreign companies was created around the central core of ENERCON wind turbine factories to supply all the goods and services required for manufacturing and installing turn-key wind farms.

A set of privileged partners will contribute significantly with investment and jobs creation in the most disadvantaged areas in the country:

- 2 new industrial units to be built from scratch by cluster partners:
 - A fibreglass factory - **Saertex** (Viana do Castelo)
 - Factory for steel areas for concrete towers - **A. Silva Matos** (Sever do Vouga)
- 11 industrial units whose manufacturing capacity will be greatly increased:
 - **Siemens** transformer factory (Sabugo)
 - **Siemens** switchboard and medium voltage cell factory (Corroios)
 - Electrical equipment and installation factories (**Jayme da Costa**, **Tegael**, **CME**, **Painhas**, **Metalgalva**, **Cabette**)
 - Transport and crane units (**Montalgrua**, **Probilog/Aso**, **Transportes Gonçalo**)

In addition to these privileged partners, who have committed to undertake significant efforts in terms of investment, the wider cluster includes other companies that have already informed of their availability to provide services and supply raw material. This will allow us to reach a high level of national incorporation in the complete cycle of manufacturing wind turbines.

THE WIND CLUSTER

OS MEMBROS DA ENEOP

EDP
ENERCON
FINERGE
GENERG
TP

OS PARCEIROS DO CLUSTER

A.Silva Matos
Cabos para Eólicas
CME
EWG
Jayme da Costa
Metalgalva
Montalgrua
Painhas
Probilog / Laso
Saertex
Siemens
Tegael
Transportes Gonçalo

Bio-energie cluster - Eastern Netherlands

bio-energie cluster
Oost-Nederland 

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European Energy Network - Austria



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European Energy Network

EnR is a voluntary network of European energy agencies which aims at promoting sustainable energy good and best practice. EnR also strengthens cooperation between members and other key European actors on all sustainable energy issues (energy efficiency, sustainable transport and renewable energy). **Find out more...**

New: EnR's contribution to the development of the EU Energy Efficiency Plan (EEP):

 **EnR discussion paper on the Energy Efficiency Plan**



Presidency &
Secretariat 2010



Presentation of the **Swedish Energy Agency** (STEM).

Top energy web sites

See list of important energy **organisations.**

Working Groups



Upcoming Events

World Sustainable Energy Days, 2-4 March 2011, Wels, Austria
02/03/11

Latest News & Articles

EnR publishes paper on EEP
7 October 2010

Call for papers - eceee 2011
European Study



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Raising the productivity and competitiveness of European businesses through technology. Boosting national economies on the international market, and strengthening the basis for sustainable prosperity and employment.

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Supporting
your market-oriented
R&D project

Shaping
a European
Research Area

Improving
your daily life

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Thank you for your attention



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