

Energie rinnovabili

# PARTNER SEARCH PMI7-EU-BSGSME-38

01 dicembre 2017

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Istituto di ricerca spagnolo alla ricerca di partner da includere in un loro progetto da presentare nel programma CAPACITIES tematica RICERCA PER LE PMI .

Per maggiori informazioni sulla Ricerca Partner e per conoscere i contatti del proponente, potete consultare il seguente indirizzo web.

<http://www.apre.it/formaAssist/scheda.asp?id=993>

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<Reference n.: PMI7-EU-BSGSME-38>

<Deadline: 11/04/2008>

<Programme: Ricerca per le PMI >

<Project Title: NEVAWIND: New Vertical Axis WIND turbine for electrical generation>

<Financial Scheme: Ricerca per il beneficio di gruppi specifici (SME)>

<Description: Present wind generators use horizontal axis rotor. They need a large diameter to work with low revolutions in the motor and very high velocity in the extreme of the vanes. This generators can work only if the wind is moderate (since 8-10 m/s), therefore the best places for put them is on the hills, where the speed of the wind is higher.

Inefficient present generators combined with the high cost of maintenance and the vulnerability to electric storms because their materials and size, makes them not competitive as renewable energy. There is also the high deathly of birds near the wind generators and the high visual impact for the huge dimensions, which are the main environmental problems.

The focus of the project is to develop a new vertical axis system for wind electrical generator based on using sailings. The research will be focused to improve a prototype, incorporating latest materials technologies and fluidodynamic model to increase the efficiency of the generator up to 28-35%. Also it is necessary to develop a rotor and generator mechanism to keep the conversion from dynamic to electrical power high.

KEYWORDS: Wind, Wind power, Wind energy, Wind generation, Renewable energies, Vertical axis, Wind turbine>

<Organisation Type: Centro di Ricerca>

<Partner Sought: EXPERTISE REQUESTED:

Wind generators manufactures and suppliers, Manufacturers of renewable energies products, Distributors and agents of renewable energies products

ORGANIZATION TYPE:

- SME>

For further information about this Partner Search, including Contact Person's details, please consult this web address:

<http://www.apre.it/formaAssist/scheda.asp?id=993>