PARTNER SEARCH FORM
For projects in the SmartGrids ERA-Net call

DATE: 4-02-10

PROJECT INFORMATION

TITLE: SMART-GRID APPLY TO RENEWABLE ENVIRONMENTS

ACRONYM: SGARE

SUMMARY: Due to the non-controllable nature of Renewable Energy Source's their integration into the network system is quite difficult. In this project the objective is to analyze a hybrid microgrid consisting of Renewable Energy Source Generators and Residential Loads with a Centralized Management System. The microgrid could operate both in grid-connected mode and in islanded mode. Its control structure should assure successful performances in both operation modes and in the transitions between them. The System should be tested in real-time conditions with a physical control device. In order to exploit the electrical network in optimal economic, security, quality and reliability conditions the integration of Renewable Energy Source into the network System should be improved by the addition of programmable support systems (storage, compensation and generation systems) as well as by a management system.

KEYWORDS: MICROWIND TURBINE, PHOTOVOLTAIC SYSTEM, ELECTRIC VEHICULE, MINIHIDRAULIC SYSTEM, GEOTERMIC SYSTEM, RESIDENCIAL LOAD, INTELLIGENT MANAGEMENT OF GRID.

CALL: SmartGrids ERA-Net

PARTNERS INVOLVED: JEMA S.A., and Aalborg University

PARTNER SOUGHT

PROFILE REQUESTED: We need knowledge about electric vehicule, and battery concept principally.

ORGANISATION TYPE:

☒ SME	☒ Large Company	☒ University
☒ Research Centre	☒ Consultant	☒ Other

HOW MANY ADDITIONAL PARTNERS ARE REQUIRED? 1, preferably the ones marked in red

CONTACT PERSON
NAME:
TELEPHONE:
E-MAIL:
FAX:
ORGANISATION:
ADDRESS:

*This information will be published and disseminated.