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MICROCHEAP

The Integration of Micro-CHP and Renewable Energy Systems

Action Line: SUSTDEV-1.1.2 Large scale integration of RES into energy supplies

Coordinator

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Renewable micro-CHP systems are a combination of micro-CHP technology (which, at present, are mainly powered by non-renewable fossil fuels (e.g. natural gas)) and renewable energy technology, such as biomass gasification systems or solar concentrators. The integration of renewable energy sources (RES) with micro-CHP allows for the development of sustainable energy systems with the potential for high market penetration; a cost-effective and reliable heat and electricity supply; and a highly beneficial environmental and economical impact on a pan-European scale. This co-ordination action intends to bring together industrial specialists and research experts to focus entirely on renewable micro-CHP technology. It will co-ordinate and steer research in this field and highlight the most promising technologies with the highest potential for market penetration in existing and future market conditions. Principal outputs will be: "A comprehensive state of the art and market review ?Mapping of current research activities and centres of excellence, to help steer research? Expert group meetings to co-ordinate key areas of current research ?A report recommending the future direction of European research? An analysis of potential links between micro-CHP and other RES" A technology transfer/training programme, to spread best practice ?Targeted dissemination of the project's results to stimulate commercialisation and further RTD. The CA will stimulate further development in the field, focus research, minimise duplication of effort, and help to transfer cutting-edge technology from research institutions to industry. The global aim is to inspire the development of energy systems that can produce all the heat and electrical needs for a single dwelling.

Project details

Project Reference: LSInt/503138/2003

Contract Type: Coordination action

Start Date: 2004-10-01

End Date: 2007-09-30

Duration: 36 months

Project Status: Execution

Project Cost: 1.15 million euro

Project Funding: 1.04 million euro

Participant Organization: SLOVENSKÁ
POL'NOHOSPODÁRSKA UNIVERZITA V
NITRE

Country: SLOVAKIA

Participant Organization: BEAMA LTD.

Country: UNITED KINGDOM

Participant Organization: UNIVERSITAT

Country: SPAIN

DE BARCELONA

Participant Organization: AF-ENERGI & MILJOE AB **Country:** SWEDEN

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Participant Organization: CENTRE FOR RENEWABLES ENERGY SOURCES **Country:** GREECE

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