

Research Development Request Form (Partner Search)

(All fields are mandatory - The fields in grey are confidential and for internal use only)

Company Profile - Description of the company

Company / Organisation: KATEX SA	City: Athens	Country: Greece
Street: 9 Nikolaou Mantzarou		Postal Code: 15451
Contact person: Yiannis Hiotis	Position in the company: Owner	
E-mail: hiotisy@rocketmail.com	Telephone: +30 2106549201	Fax:
Company's website:	Company's e-mail address:	
Year established:		

Turnover in Million Euro:

- < 1M
 2-9M
 10-19M
 20-49M
 50-99M
 100-249M
 250-499M
 > 500M

Type and size:

- SME: 1-9 employees
 SME: 10-49 employees
 SME: 50-249 employees
 Industry: 250-499 employees
 Industry: > 500 employees
 Multinational enterprise: > 500 employees
 Inventor
 R&D institution
 University
 Other

Already engaged in transnational cooperation?

Yes No



Research Development Request

Title

Provide a short, descriptive title of the R&D project and indicate the full name of the funding call

SC5, Water-1a-2014/2015: Water and energy integration proposal

Summary of the R&D project *(max. 500 characters):*

A Greek SME is working on new methods for the integration of water and energy. The main resource for optimization is water, with the parallel use of energy from wind and sun. The SME is going to submit a proposal under topic: Water-1a-2014/2015. The company is looking for partners dealing with design and cost studies of hydro power stations and penstocks.

Description of the R&D project *(100-4.000 characters):*

The existing methods of exploiting renewable energy sources (RES), specifically hydropower plants, photovoltaics and wind turbines, bring about limited results and some disadvantages. An obstacle to further exploitation of RES is that the different RES are not connected to each other in order to achieve necessary complementarity. The proposal to be submitted is introducing a method which aims to integrate water and energy. This will be achieved by improving the performance of RES with the dominant exploitation of hydropower and the combined use of wind and sun.

In the context of the proposal, innovative design of hydropower plants for collecting water from the slopes of the mountains will allow for significant increase in the performance of an interconnected network of RES. The method is capable of collecting water where it is required and in the volumes needed. The method is also a hybrid system which performs optimal water supply and irrigation. The result of the above will be reduced electricity production costs and further development of interconnected RES systems. There are also other benefits such as the creation of firefighting zones in forest lands, which are extremely beneficial to fauna and flora. The main concept of the methods can be further developed through the current topic: Water-1a-2014/2015, First application and market replication.

Information on the call:

Call title: CLIMATE ACTION, ENVIRONMENT, RESOURCE EFFICIENCY and RAW MATERIALS

Call identifier: WATER INNOVATION: BOOSTING ITS VALUE for EUROPE

Sub call: H 2020-WATER-2014-2015

Topics called: Water-1a-2014: First application and market replication (two stages)

Type of action: Innovation actions

Proposal Deadline: 08 April 2014

Deadline for response: 10/03/2014

Advantages and innovations of the R&D project *(50-2.000 characters):*

Outline what it is innovative about this R&D project, what goes beyond the state of the art and provide arguments on its potential impact.

Stage of Development:

Already on the market



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- Available for demonstration
- Concept Stage
- Field Tested / Evaluated
- Project Already Started
- Project in Negotiations - Urgent
- Proposal under development
- Prototype available for demonstration
- Under development / lab tested

Technical Specification or Expertise Sought:

The Greek company is looking for companies, industry and research organizations able to participate in the project. The areas of interest are: design & calculating the cost of hydro power plant, design & calculating penstocks. The Greek company is also looking for an experienced coordinator for the project.





Partner Sought (collaboration details)

Type and Role of Partner Sought

Indicate in detail the type of partner sought (e.g. SME, industry, research organisation etc), the specific area of activity or the expertise of the partner, the task(s) to be performed.

Type of partner sought: Companies, industries but also research organizations.

- Specific area of activity of the partner: Design and cost study of hydro power stations of 15 MW and of long penstocks.

- Task to be performed: Design, study and construction of hydro power plants and penstocks.

Type and Size of Partner Sought (multiple fields can be selected)

SME: 1-9 employees

SME: 10-49 employees

SME: 50-249 employees

Industry: 250-499 employees

Industry: > 500 employees

Multinational enterprise: > 500 employees

Inventor

R&D institution

University

Preferred Countries (for dissemination of profile):





Call details

Framework Programme

Indicate which framework programme the R&D project is associated with

Call Name

Indicate the name of the call for the programme

Evaluation Scheme

Indicate the evaluation scheme as indicated on the call.

Deadline for the Call:

Funding Scheme

- Collaborative Projects
- Coordination and Support Actions
- Individual projects: Support for "frontier" research
- Networks of Excellence
- Research for the benefit of specific groups (in particular SMEs)
- Support for training and career development of researchers

Project title and acronym

Enter the project title if known and any corresponding acronyms.

