

Partner search / FP7 ENERGY

University of Vaasa (Finland) and a company from the same region, **Vaasa Engineering Ltd**, are looking for cooperation opportunities within FP7 Theme ENERGY. Our target partner is a consortium preparing a proposal on topic

ENERGY.2010.7.3-1: Energy storage systems for power distribution networks

or

ENERGY.2010.7.1-1: Large-scale demonstration of smart electricity distribution networks with distributed generation and active customer participation

We are interested in participating in projects dealing with energy storage technologies applied in distribution networks. We would especially like to participate in developing new concepts and solutions relating to the use of energy storages in hybrid power plants where the main part of the energy is based on intermittent power source (such as wind power).

INFORMATION OF ORGANIZATION	
Name of organization	University of Vaasa Faculty of Technology, Department of Electrical Engineering and Automation
Organization type	University
Organization size (no. of employees)	450
Short description of organization	University of Vaasa is a multidisciplinary business-oriented university located in Vaasa, Finland. Vaasa region has the largest energy cluster of the Nordic countries. The Faculty of Technology offers both industrial economics studies and engineering studies. The key research area in electrical engineering of the Department of Electrical Engineering and Automation is power systems engineering, especially power systems protection and automation. The Department has close relationships to many energy sector companies in the Vaasa region (including both larger companies like ABB, Wärtsilä and Vacon as well as many smaller companies). Cooperation with companies has included both product development related activities and broader system wide studies. The Department of Electrical Engineering and Automation is also a member of the Vaasa Energy Institute (VEI). VEI is a cooperation organisation founded by the University of Vaasa Faculty of Business Studies, Faculty of Technology and Levón Institute together with the Vaasan ammattikorkeakoulu, University of Applied Sciences and Yrkeshögskolan Novia, University of

	Applied Sciences. The know-how of the Energy Institute combines business and technical expertise in a unique manner.
Expertise offered	A special area of expertise of the Department is the simulation of power system transients. Previous research activities have concerned the grid connection of distributed generation (DG), where the main focus has been the impacts of DG and especially the protection issues. Also the microgrid concept has been one research topic. As a result of these previous research activities the Department of Electrical Engineering and Automation has gained a comprehensive expertise on various kind of DG and also energy storages especially from the grid connection point of view.
Experience in international cooperation	University of Vaasa has experience in European R&D projects funded by FP7, FP6 and FP5 as well as projects funded through IEE (Intelligent Energy Europe) programme. Most recent projects include INNODRIVE (FP7), ResGEN (FP7), CATER (FP6), ASPIRE (IEE) and EURONET 50/50 (IEE).
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INFORMATION OF ORGANIZATION	
Name of organization	Vaasa Engineering Ltd.
Organization type	Private company, Industry
Organization size (no. of employees)	451
Short description of organization	Power generation: We produce electrification and automation solutions for the power generation sector, including control, remote control, protection and automation systems. Power distribution: We deliver substations for transmission and distribution networks and medium voltage switchgears for utility companies and industry.
Experience in international cooperation	Worldwide experience during last 20 years.
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