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European Commission

EXPERTISE TO DEVELOP BATTERIES AND SENSORS BASED ON A FUEL CELL WITH GLUCOSE

13 NL 60AH 3SQ3

REQUEST

A Dutch SME looks for it. The glucose cell based batteries or sensors consist of a fuel cell compartment and an anode-cathode compartment. Expertise is needed to generate a maximum electrical current in the anode-cathode compartment. Multiyear project to make improved prototypes and then further battery or sensor based applications.

ENERGY MANAGEMENT SYSTEM FOR ELECTRIC CITY BUSES

13 NL 60FI 3SKQ

OFFER

Operating electric city buses requires perfect energy management: vehicle battery recharging, energy consumption and everyday scheduling need to be in perfect balance. A Dutch SME offers an energy management system enabling the operation of fully electrical city buses all day, using cloud-based software intelligence. Commercial cooperation is sought with operators/ original equipment manufacturers (OEM).

SYSTEM FOR COMPENSATION OF FUNDAMENTAL HARMONIC REACTIVE POWER WITH REGULATED VALUE AND FILTRATION OF A FEW HIGHER HARMONIC COMPONENTS IN A GRID OF MEDIUM AND HIGH VOLTAGE

13 PL 62AQ 3S41

OFFER

Research unit from North-East Poland has developed the system. The unit is interested in license agreement, technical cooperation, commercial agreement with technical assistance.

LOW-COST, HIGH-RELIABILITY SUN SENSOR THAT DETERMINES THE POSITION OF THE SUN FOR SOLAR PANELS

13 NL 60FI 3RLQ

OFFER

A Dutch company offers a low cost sun sensor technology that determines the position of the sun unambiguously and reliably for each solar panel. It allows the use of overall cheaper constructions and less complicated optical systems. The company is looking for a technical co-operation (with adaptation to specific needs) or a research cooperation.

HIGH VOLTAGE CAPACITORS FOR ENERGY STORAGE AND RAPID DISCHARGE

12 FR 34k3 3R00

REQUEST

A French company is looking for high voltage capacitors. The energy stored in the capacitors should be discharged at repetition rates from 500 ms with 32 µF to 5000 ms with 232 µF. The number of discharge must be specified in the proposition. The size of the units must be the smallest possible to fit into the energy sources which are portable. The company is interested by manufacturing agreement.

ENERGY MANAGEMENT SYSTEM FOR HIGHLY ENERGY-EFFICIENT HETEROGENEOUS MOBILE NETWORKS

12 RO 662C 3RIM

REQUEST

A Technical University from Romania is looking for research partners in the field of ICT. The research is focused to establish a set of models, methods and techniques which can be applied to a range of computational and communication mobile systems. The partners sought are innovative SMEs and R&D performers in the field of ICT in EU/International R&D Programs.

TECHNOLOGIES FOR A HYDRAULIC ENERGY STORAGE SYSTEM

13 AT 012L 3S8G

REQUEST

An Austrian university institute is looking for various technologies in the fields of hydraulic machines, seals, underground engineering and energy to support the development. The functionality of the system has been proven in various designs with model tests. Currently, different components are being researched and optimized. The next step will be to build a larger scale prototype. Cooperation with experts is needed for further development.

IMPROVING ENERGY EFFICIENCY FOR CAMPUSES

12 RO 662C 3RJ4

REQUEST

A Technical University from Romania is looking for research partners. The project will analyze and develop different energy efficiencies scenarios with regard to research and analysis to identify opportunities to reduce energy consumption in a university campus. The partners sought are innovative SMEs and R&D performers for EU R&D Programs.

SMALL, AFFORDABLE, RETROFIT ENERGY SAVING DEVICE FOR THE DOMESTIC AND SOCIAL HOUSING MARKETS

13 GB 46P4 3SC0

OFFER

The device designed by a Scottish SME reduces home energy bills by an average of 16%. The product is based on the principal of 'chopping'; it inserts off' cycles in a heating controller's on' cycles in such a way that the house is heated to the comfort zone but with less energy. Utility and energy retrofit companies are sought to supply the domestic and social housing markets under licence or commercial agreements with technical assistance.

ELECTRICAL GENERATOR FOR LOW POWER WIND STATIONS

12 LV 58AD 3RA8

REQUEST

A Latvian company working in renewable energy systems developing field is looking for low power slow rotation electrical generator which could be used in alternative energy complex systems on base of wind stations.

STORAGE SYSTEM FOR ELECTRICAL ENERGY GENERATED BY SOLAR CELLS

12 DE 18A5 3PZT

REQUEST

A German company designs and installs solar systems for residential and industrial buildings. For a full exploitation of the recovered energy an efficient storage is needed. A storage system for electrical energy on a mechanical basis is sought. The potential partner should have the required technology to license and / or joint marketing. A joint development would be also an option.

MODULAR ENERGY STORAGE - INDEPENDENT OF THE PUBLIC POWER GRID

13 DE 1594 3RUQ

OFFER

The use of renewable energy, such as that generated by wind and solar, would be more attractive to industrial, commercial and residential consumers if that energy could be cached. A Professor for Electronics and Drive Technology from a German University developed a modular removable storage system which provides an important interface for this purpose. Partners interested in a license agreement and a further development of this technology are sought.

INNOVATIVE ENERGY SAVING TRANSFORMER

13 DE 1378 3S96

OFFER

A German inventor has developed a toroidal transformer with a closed toroidal core, to be applied for high power and potential ranges. The developed transformer is used for energy distribution and has significant technical and economic advantages compared to conventional tranformers. Patents are granted. The inventor is looking for partners both for further technical development and for manufacturing of the toroidal transformer and technology license.

CURVED SOLAR MIRRORS FOR CONCENTRATING SOLAR POWER PLANTS

13 IT 532W 3RVG

REQUEST

An Italian SME in the field of renewable energies is looking for an industrial partner or a SME for the production of curved solar mirrors according to specific technical requirements related to the slumping method. Mirrors will be used for the construction of a Concentrating Solar Power pilot plant. A manufacturing agreement will be proposed.

ELECTRIC MOTORS FOR A NEW ENERGY EFFICIENT CIRCULATOR/PUMP

13 CH 84FB 3SJF

REQUEST

A Swiss company has developed a novel energy efficient circulator/pump for solar thermal and sanitary heating and cooling systems for residential buildings. The start-up seeks a supplier partner to manufacture electric motors complying with the technical specifications. Type of agreement sought: Manufacturing Agreement (Subcontracting & Co-contracting).

HIGH POWER EFFICIENT ELECTRONIC CONVERTER FOR FUEL CELL APPLICATIONS

13 PT 65BN 3S45

OFFER

A research group from a Portuguese university developed a soft switch DC-DC converter for hydrogen fuel cells applications. The present converter improves the performance and optimizes the hydrogen consumption of fuel cells. The converter might be applied in systems using other energy sources. They are looking for partners interested in a licensing agreement for exploring the technology.

NANOPOROUS MATERIAL FOR ENERGY STORAGE

12 FR 32j0 3QLK

OFFER

A French nanomaterials and zeolithes public research laboratory has developed a method using lightweight nanoporous materials for high-intensity kinetic or electrical energy storage with over 98% restitution. It has applications in energy production, shock absorbers, and aerospace. The laboratory seeks industrial partners to develop high-tech, high value added prototypes and to test new market applications.

SWITCH OF A CAPACITORS FOR COMPENSATION OF REACTIVE POWER IN A GRID

13 PL 62AQ 3S4R

OFFER

A research unit from North-East Poland developed a switch of a capacitors for compensation of reactive power in a grid. The invention structure assures its reliability and eliminates the costs related to changing and mechanic and electric adaptation of a switch in case of modernisation. The unit is interested in license agreement, technical cooperation and commercial agreement with technical assistance.

SMART GRID AND SMART METERING COMPANY OF NEXT GENERATION ADVANCED METERING INFRASTRUCTURE (AMI) FOR UTILITIES

13 IL 80EP 3S0F

OFFER

An Israeli Company is engaged in developing and manufacturing a complete smart grid solution for water, electricity and gas utilities. The company provides the highest level of meter reading reliability, and reduces the cost of upgrading the system into the advanced smart water grid platform. An industrial R&D partner is sought for licensing, joint venture as well as technical assistance and financial support.

'ARTIFICIAL TREES': A NOVEL DEVICE COMBINING SOLAR AND WIND ENERGY GENERATION

12 GB 44O6 3QVV

OFFER

A London-based company has developed a system that integrates current technologies into one system to simultaneously generate energy from sunlight, heat and wind. Less susceptible to intermittency of energy generation, while offering lower operational costs and maintenance than individual devices. Looking for partners in the utility sector to jointly develop a prototype and take the device to market (as a joint venture or under license).

EXPERTISE SOUGHT IN THE USE OF COMPRESSED AIR AND TURBINE DESIGN

13 NL 60FI 3RUX

REQUEST

A Dutch SME active in the design of robust and sustainable mechanical energy storage is looking for expertise in the fields of compressed air and turbine design. Energy can be stored by compressing air and this energy can later be released to drive a turbine that in turn can generate electricity or supply mechanical energy for a pump or a mill. Technical collaboration to further develop and optimize the energy storage system is sought.

HYDROGEN STORE: SYSTEM FOR HIGH-EFFICIENCY SHORT-TERM AND LONG-TERM STORAGE OF ELECTRIC ENERGY

12 DE 1380 3PWB

OFFER

A large German research institute has developed a plant concept for energy storage based on hydrogen and a superconducting magnetic energy store. The concept compensates the feed-in fluctuation for electric energy supply. Combination of three components: long-term store, short-term store and hydrogen liquefier. The institute seeks either a license agreement or a technical cooperation.

ENERGY STORAGE IN FOCUS: RESEARCH AND EXPERTISE

12 DE 0855 3PWC

OFFER

A German University research centre is specialised in research on electrochemical energy storage. They cover all aspects of current and next generation lithium-ion technology, systems and materials for mobile and stationary energy applications and have patented several material inventions. Expert know-how and state of the art equipment and laboratories make possible to solve the most complex tasks. Industrial and research partners are sought for research and technical co-operation.

INTEGRATED OFF-GRID RENEWABLE ENERGY GENERATION

12 GB 44O6 3RET

OFFER

A London-based University has developed an innovative and integrated fuel cell based approach to the off-grid generation of renewable energy which significantly reduces CO2 emissions. The University is looking for

industry or research partners in the energy generation sector to jointly set up a pilot system, with a view to test the feasibility of the system and adapt it to meet market needs – specifically those developing PV and electrolyser products.

INNOVATIVE AND ENERGY EFFICIENT TECHNOLOGY FOR AIR VENTILATION SYSTEMS IN BUILDINGS

13 MK 82EX 3RN3

REQUEST

Macedonian organization is looking for partners able to provide new innovative technologies in the field of ventilation. The company is searching for providers of suitable technology for implementing technology in public buildings. The technology should be already introduced to the market or in laboratory stage but ready for implementation. Organization is searching for partners for License agreement and/or commercial agreement with technical assistance.

AUTONOMOUS INSTALLATION POWERED BY SOLAR ENERGY FOR CONTINUOUS AERATION OF THE LAKE WATER

12 RO 662C 3RH4

REQUEST

A Technical University from Romania is looking for research partners in the field of Environmental Engineering. The research focuses on proposing a new method and installation for hydraulic aeration of lakes, ponds or slow moving waters, using submerged transversal hydraulic machinery powered by solar energy. The partners sought are SMEs and R&D performers in the field of Environmental Engineering for Technical cooperation.

TECHNICAL EXPERTISE IN WIND-ENERGY POWERED LIGHTING SOLUTIONS

12 MT 59AE 3QXC

REQUEST

The Maltese company is involved in green technology research, prototyping and marketing of a wide range of solid state lighting systems that utilize light emitting diodes produced by their German mother company and Maltese sister company. They are looking for companies/research institutes that have technical expertise in wind-energy powered lighting solutions so as to develop new solutions jointly together. Knowledge transfer and joint collaborative research/ development is expected.

INNOVATIVE MOBILE HIGH POWER GENERATORS (50 KW TO 2000 KW) POWERED BY CARS, TRACTORS, TRUCKS, CONSTRUCTION MACHINES OR BOATS

13 FR 37M3 3RZW

OFFER

A SME from Northern France has developed and patented a very mobile and lightweight equipment for providing very quickly a high electric power at any place and any moment. This system uses various kinds of existing engines widely available in the area of use, and so it is much more flexible, cheaper and less polluting than traditional generators. The company is looking for partners interested in license agreements or commercial partnerships with technical assistance.

RECYCLING TECHNOLOGIES FOR PHOTOVOLTAIC PANELS

12 GR 49R2 3R0T

REQUEST

A Greek SME active in glass production is looking for sustainable technologies to recycle photovoltaic panels. The Greek company is interested to find partners in recycling technologies of photovoltaic panels in order to conclude a commercial agreement with technical assistance.

ENERGY RECOVERY FROM WOOD WASTES

12 FR 37M3 3QP3

REQUEST

A French SME is looking for a technology to obtain a valuable gas from the combustion of wood wastes type B. The sought solution must have been already tested by industrial users and given good results in terms of yield and produced gas quality in particular. The sought cooperation includes transfer of know how under commercial agreement with technical assistance covering installation and maintenance.

PARTNER SEARCH - H2020 - EEB-07-2015: NEW TOOLS AND METHODOLOGIES TO REDUCE THE GAP BETWEEN PREDICTED AND ACTUAL ENERGY PERFORMANCES AT THE LEVEL OF BUILDINGS AND BLOCKS OF BUILDINGS

RDUK20140205003

R&D REQUEST

A UK based University seeks a research collaborative partner for this EeB project. The ideal partner will preferably be an SME with R&D capacity for building and construction technologies and have a background in energy and environmental projects related to improved performance and efficiency

LOOKING FOR STORAGE TECHNOLOGIES FOR SOLAR ENERGY SYSTEMS

TRBE20131118001

REQUEST

A Belgian company active in large scale and/or combined solar systems is looking for mature storage technologies. Through technical cooperation agreement(s), the company would like to integrate them

into the solutions proposed on the market.

AEROFOILS FOR LOW SPEED WIND GENERATORS

TRLV20131204002

REQUEST

A research institute from Latvia, actively working in the field of renewable energy resources, is looking for cooperation partner with knowledge and know-how in aerofoil of wind generator blades design. The rotor blades will be used for wind power generators operating in low wind speed areas. The institute seeks for cooperation with research institutes and companies expecting to sign research cooperation agreement.

H2020 EEB-05-2015: INNOVATIVE DESIGN TOOLS FOR REFURBISHING OF BUILDINGS AT DISTRICT LEVEL

RDUK20140205001

R&D REQUEST

A Midlands UK based University is leading a project to develop an Indicator System that will inform the choice of Intelligent Building Technologies used especially for building refurbishments based on their corresponding sustainability value in terms of energy efficiency, cost reduction and user comfort.

MANUFACTURES OF THERMAL MANAGEMENT SOLUTION FOR CONSTRUCTION SOUGHT

TRUK20130830001

REQUEST

A UK SME with extensive knowledge of phase change materials (PCMs) is willing to collaborate in the development of a new thermal management product for the construction industry to be used as a component of the building fabric, such as the ceiling, wall or floor. It will help to maintain a comfortable interior temperature by absorbing

and releasing heat energy. Manufacturers of building material products able to help develop and market thermal management products are sought.

SYSTEM AND SERVICE TO VISUALISE, ANALYSE AND OPTIMISE ENERGY AND RESOURCE EFFICIENCY

TODE20131008002

REQUEST

A technology start-up founded in March 2012 in Munich has developed a tool chain for analysis and optimization of energy efficiency in complex technical systems with energy storage. Possible applications are energy grids, smart buildings, production plants, hybrid vehicles etc. The company offers a completely new level of analysis and optimization. They are looking for applications as well as for research partners for the further development of the approach.

ENERGY EFFICIENCY WITH GREEN PHOTONICS

12 DE 1593 3PY6

OFFER

A German research institute uses laser technology for protecting resources and/or for improving energy efficiency in modern manufacturing. The spectrum of themes includes using laser technology for light-weight construction, for regenerative energy production and as an alternative to environmentally harmful processes. Partners are sought for licensing agreements in the scheme of a technical cooperation.

UPGRADING BIOGAS TO NATURAL GAS QUALITY

12 NL 60FI 3REG

OFFER

A Dutch SME active in the environmental sector has developed a technology that can upgrade biogas to natural gas quality. This process is a total solution for the removal of carbon dioxide, hydrogensulphide and water compounds. The company is offering a commercial agreement with technical assistance to companies active in the environmental sector.

A METHOD FOR PRODUCING LIQUID AND GASEOUS HYDROCARBONS THROUGH UNDERGROUND COAL LIQUEFACTION IN DEPOSITS

12 PL 61AJ 3QZW

OFFER

A Dutch SME active in the environmental sector has developed a technology that can upgrade biogas to natural gas quality. This process is a total solution for the removal of carbon dioxide, hydrogensulphide and water compounds. The company is offering a commercial agreement with technical assistance to companies active in the environmental sector.

NOVEL TRANSPORTATION OF STRANDED AND FLARED GAS

13 GR 49Q1 3SNZ

OFFER

A Greek company, expert in energy & environmental issues, is offering a novel system for transporting gas to the market. It comprises a compressed natural gas station for liquefaction & a transportation tank which ensures that previously discarded gas deposits can be cheaply & effectively exploited & transported. The company is open to a license, joint venture, technical &/or commercial agreement (with technical assistance) with public & private enterprises active in gas transportation.

INTELLIGENT INDOOR PARKING SYSTEM

12 HU 5010 3OQK

OFFER

A small Hungarian company has been developing an indoor positioning and navigation system for vehicle navigation based on wireless and optical technologies. The prototype of the system is deployed in the parking garage of a shopping mall. Advantages include reduced time in parking lot seeking, decreased human power in traffic control, reduced CO2 emission and less driver frustration. The company seeks industrial partners interested in licence agreement and further development.

BIOMASS PROCESSING EQUIPMENT IN THE FIELD OF GASIFICATION, PYROLYSIS AND CHP

TRGR20140211001

REQUEST

A Greek engineering company acts as a technical consultant of major investors for the development of grid-connected biomass plants, each of 0.5 or 1 MWe. They are interested in novel and industry-ready solutions for the thermochemical transformation of biomass feedstock either into combustible gases for power generation or into synthetic fuels. Technical cooperation agreement and/or subcontracting.

SIE-01-2014-1 - STIMULATING THE INNOVATION POTENTIAL OF SMES FOR A LOW CARBON ENERGY SYSTEM

RDUK20140416001

PARTNER SEARCH

A UK based registered Mutual engaged in developing low carbon projects for and with local communities is seeking SMEs and community based groups for SME Instrument project origination and delivery in the areas of housing newbuild or retrofit, commercial buildings retrofit, building mounted renewables, community/development scale

renewables, mini grids, energy storage or low carbon vehicles. The aim is to develop and finance pilot projects using innovative financing mechanisms.

ENERGY COMPANY (UTILITY, OPERATOR OR DSO) SOUGHT FOR H2020 LCE-7-2014 PROPOSAL

RDGR20140330001

PARTNER SEARCH

A Greek university, acting on behalf of the proposals' consortium, is looking for candidate partner(s), in particular utility companies, operators or Distribution System Operators (DSOs) to undertake trial(s) that will involve Distributed Energy Resources like solar panels and wind turbines to which they must have access to. The Greek university participates in this proposal as an expert in Energy Economics responsible for the relevant tasks. The deadline for EoIs is 30/04/2014.

SEEKING FOR FLEXIBLE AND THIN BATTERIES OR SUPERCAPACITORS TO INTEGRATE IN SMART CARDS

TRFR20140520001

REQUEST

A French SME, specialized in flexible embedded electronics in any powered devices especially smart cards, is looking for partners able to develop flexible and thin batteries or supercapacitors. This requested product is dedicated to power some electronics embedded in smart cards. Technical cooperation or license agreements are sought.

A TURKISH CONGLOMERATE SEEKING INNOVATIVE TECHNOLOGIES IN ENERGY EFFICIENCY TO BE APPLIED IN TURKEY

TRTR20140418001

REQUEST

A Turkish conglomerate seeks new technologies in energy efficiency applications, best available techniques and innovative methods to be

implemented in Turkey. The technology is requested to be already on the market. The technology shall be new to the Turkish market and convenient to be applied in Turkish standards. The company is open to sign Joint Venture and License Agreements as well as technical cooperation agreements.

CONTROL TECHNIQUE FOR UNDERFLOOR HEATING

TRCZ20140429001

REQUEST

A Czech producer of underfloor heating systems is looking for a control device to regulate heating in houses + outdoor area (gutters, garage access to prohibit freezing). The company is seeking verified technology usable for underfloor heating systems (heating cables) + technical co-operation agreement.

MOBILE MONITORING DEVICE FOR MONITORING OF TURBINES AND PUMPS

12 RB 1B1O 3P4Q

REQUEST

A Serbian company operating in the field of manufacturing pumps for industry is looking for a compact data log and monitoring device, particularly designed for a condition monitoring of turbines and pumps. Device must be usable on machines from 0.5 kW up to 400 kW. Required technology must be fully developed.

SCALING UP BIOMASS DIGESTIBILITY ASSAYS TO DEMONSTRATE THEIR COMMERCIAL POTENTIAL

TRIN20140409001

REQUEST

An Indian Company catering to global markets, engaged in developing novel technologies for producing environmentally adjusted crops,

nutrition fit crops, biofuels and biomaterials, is seeking to collaborate with companies developing and supporting advanced biofuel technologies or looking to develop new projects. The company is interested in development of technological and commercial partnerships for the initiation of new projects, based on specific market demand.

TECHNOLOGY OF SMART VRLA BATTERY CHARGER DESIGNED TO WORK PROPERLY WITH THE BATTERIES IN PHOTOVOLTAIC SYSTEMS AND WITH INVERTERS

TOPL20140416002

OFFER

A Polish company operating in the area of photovoltaics and new technologies related to energy efficiency has developed an intelligent photovoltaic VRLA (Gel, AGM) battery charger which cooperates with the standard type of photovoltaic on-grid inverters. The company expects partners for further product development or commercial agreement with technical assistance.

NEW TECHNOLOGY FOR CARBON REDUCTION AND FUEL EFFICIENCY IN THE SHIPPING AND FISHING INDUSTRIES

TOUK20140129003

OFFER

A Scottish SME has developed an innovative collapsible mast system, which allows seafarers to switch from a mast-up vessel under sail to a mast-down power driven vessel without extra crew on board. They have used the knowledge gained from this to design a 15m purpose built vessel. They are now seeking collaborative partners, either academic or industrial to take the vessel design to a "ready to build" stage and to offer theoretical and field testing of the innovative mast system.

LIGHTWEIGHT ENERGY-EFFICIENT ROOFING SYSTEM

TONL20140430003

OFFER

A Dutch SME has developed a roofing system with elements that provide a lasting sun reflection of 85%. The roofing elements are durable and will cause significant savings on poorly and moderately insulated roofs and enable extra energy savings on well insulated roofs, thus contributing to energy savings by decreasing cooling and heating costs. The company is looking for partners like building companies and architects to introduce and implement this system to the construction sector.