Technology Request

Hungarian company specialized in waste management is looking for partners for technical or research agreement

Summary

The Hungarian environmental engineering SME is looking for partners for design waste management systems and elaborate it for villages. The company is pursuing research and development activities related to renewable source within a technical agreement or research cooperation. The company is also interested in utilisation of renewable energy sources more closely, in particular energy recovery from biomass thus Hungarian enterprise wants to make technical or research cooperation agreement.

Creation Date	16 July 2014
Last Update	24 July 2014
Expiration Date	24 July 2015
Reference	TRHU20140715001

Details

Description

Hungarian company was estabilished in 1996, the main activity is environmental engineering. The enterprise has outstanding references in Hungary in the field of regional waste management projects, the recultivation of waste disposal utilities and existing landfill sites. The firm has experiences in the design of biogas plants according to national and international tenders.
The works of the company consist mainly of design and planning of public utility infrastructure and providing consultancy for local governments. Earlier many drinking water programs were designed and constructed by the company in the region. Then the company started to expand into another field by planning of sewer systems and sewage treatment plants.
The company offers services in the following fields
•designing technologies, facilities for waste collection, separation, utilization,
•preparing waste management programs, feasibility studies, environmental projects,
•environmental review of existing landfills,
• making recultivation plans for landfills,
• technical assistance for design, licensing,
• preparing documents, tenders, applications concerning waste management.
•designing drinking water purification technologies, water management technologies of Swimming pools, sewerage systems, waste-water treatment plants, industrial waste water treatment technologies and preparing licence applications.
•algae cultivation, remediation of old landfill sites.
Hungarian enterprise wants to make a technical and/or research cooperation agreement for elaborating its technology of water and waste management.

Stage of Development

Concept stage

IPR Status

Other

Keywords

Technology

002004	Plant Design and Maintenance
003001001	Cleaning Technology
003004006	Organic Substances

Market

006005015	Biomass and Biofuels
009003007	Other services (not elsewhere classified)

NACE

E.36.0.0	Water collection, treatment and supply
E.37.0.0	Sewerage
E.38.2.1	Treatment and disposal of non-hazardous waste
E.38.2.2	Treatment and disposal of hazardous waste

Dissemination

Send to Sector Group

Agrofood

Restrict Dissemination to Specific Countries

Austria,Belgium,Bulgaria,Croatia,Cyprus,CzechRepublic,Denmark,Estonia,Finland,France,Germany,Greece,Ireland,Italy,Latvia,Lithuania,Luxembourg,Malta,Netherlands,Norway,Poland,Portugal,Romania,Russia,Slovakia,Slovenia,Spain,Sweden,UnitedKingdom,

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

1996

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Langages Spoken

English

Client Country

Hungary

Partner Sought

Type and Role of Partner Sought

Hungarian company is looking for cooperating designing companies abroad that it can work together with on the elaboration and design of waste management systems and technologies and pursuing R&D activities related to renewable sources of energy subject.
The company is also interested in utilisation of renewable energy sources more closely, in particular energy recovery from biomass

SME has been designed biogas and biomass production plants since years.
The small enterprise wants to make a technical and/or research cooperation agreement for elaborating its technology of water and waste management.

Type and Size of Partner Sought

>500

Type of Partnership Considered

Technical cooperation agreement
Research cooperation agreement

Request of Ion selective microelectrodes of solid state for the continuous measurement of the concentration of nutrients in hydroponic solutions

Summary

Balearic Islands company especialized in design of wireless sensor networks is looking for a partner with a technology in the field of microelectronics: ion selective microelectrodes of solid state, that should give quick response to continuous measurement of the concentration of nutrients in hydroponic solutions . The aim is to develop an integrated system of a communication node and ion selective microelectrodes to apply to agricultural sector. Joint venture is sought.

Creation Date	10 July 2014
Last Update	25 July 2014
Expiration Date	25 July 2015
Reference	TRES20140710002

Details

Description

Mallorcan multidisciplinary technical SME is looking for robust, small size, with high durability in harsh environments, low maintenance and with quick response to continuous measurement of the concentration of nutrients ion selective microelectrodes of solid state.

The final aim is to integrate it to a Wireless Sensor Network system, and together with a sensor array or neuronal technology, discriminate the concentration of nutrients in the solution.

Joint venture is sought with private / research entities is devised.

Technical Specification or Expertise Sought

The technical specification of the technology sought is ion selective microelectrodes of solid state, that should be robust, small size, with high durability in harsh environments, low maintenance and with quick response to continuous measurement of the concentration of nutrients in hydroponic solutions (mainly ammonium nitrate, potassium, calcium, chloride and sodium).

The company is interested in integrating the technology in a communication node to apply to agricultural sector. This technology of wireless sensor networks is a tool to not only monitor in real time what is happening on the farm (e.g. concentration of nutrients degree) through the information captured by the sensors, but also a link between traditional sector increasingly modernized by the demands of productivity and quality.

Keywords

Technology

001002008	Data Processing / Data Interchange, Middleware
001002021	Remote Control
007001001	Agriculture Machinery / Technology
007001007	Precision agriculture
009001009	Sensor Technology related to measurements

Market

001004002	Data communication components
001004003	Communications processors/network management
001006003	Other communications (not elsewhere classified)
002006004	Data processing, analysis and input services
009005	Agriculture, Forestry, Fishing, Animal Husbandry and Related Products

NACE

J.61.2.0	Wireless telecommunications activities

Dissemination

Send to Sector Group

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2012

Already Engaged in Trans-National Cooperation

No.

Experience Comments

The Spanish technology-based business company is an innovative business project that integrates the experience and knowledge gained over the years in various sectors from their partners. This multidisciplinary nature is the basis of the design, development and adaption of the wireless sensor network technologies to customer needs, in order to capture the information in real time remotely and wirelessly, and that can be accessed through own requirements customizable application,

allowing the the monitoring of the environment.

Langages Spoken

English

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

Industrial/research partner to participate in the joint venture development of the technology: integration / conditioning system for communication node and microelectrodes of selective ions.

Type and Size of Partner Sought

>500

Type of Partnership Considered

Joint venture agreement

Cigarette butts recycling and valorization solution sought

Summary

A French entrepreneur is developing an activity related to cigarette butts pollution on coastal areas: sensibilisation campaign, ashtray distribution and butts collecting. Concerning the collecting activity: incineration is the current short-term solution to solve the butts' issue. They are willing to find alternative & innovative ways for waste butts treatment and upgrading as resource. Recycling companies, laboratories are sought for service agreement.

Creation Date	24 July 2014
Last Update	30 July 2014
Expiration Date	30 July 2015
Reference	TRFR20140724001

Details

Description

Cigarette butts on coastal areas (streets or beaches) terminate mainly in the sea; 1 butt pollutes 300 liters of water, with around 2 500 chemical compounds inside. The filter natural degradation requires several years.

Regarding that issue; an entrepreneur is currently developing an activity on the touristic coastal areas in the south east of France based on three main actions:
- Information campaign on the toxicity of butts regarding the environment for the prevention / reduction of wastes.
- Ashtray distribution in touristic areas
- Collecting of butts on beaches for recycling purposes.

Concerning the collecting action: the first tests of collecting resulted in approximately 15 000 butts per month. The enumeration showed figures such as 3000 butts collected in 3 hours on surface estimated 200 square meters.

The current short-term solution for recycling is incineration. Alternatives are sought taking into account toxicity of the chemical compounds, and possible upgrading / valorization of the waste as resource. The French would supply to the recycling company or the laboratory the collected butts.

Stage of Development

Already on the market

Comments Regarding Stage of Development

The solution should be already on the market.
Possibility of technological development; the French entrepreneur supplying the collected butts for treatment implementation.

Keywords

Technology

010002014	Soil and Groundwater Pollution
010003004	Recycling, Recovery

Market

008004002	Chemical and solid material recycling

NACE

E.38.1.2	Collection of hazardous waste
E.38.2.2	Treatment and disposal of hazardous waste

Client

Type and Size of Organisation Behind the Profile

Other

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English
French

Client Country

France

Partner Sought

Type and Role of Partner Sought

Laboratory or company in the recycling sector.

The solution should be already on the market. The French entrepreneur will supply the collected butts for treatment implementation.

Type of Partnership Considered

Services agreement
Technical cooperation agreement

A solution for raw materials contamination separators with initial fragmentation and micronization of biomass for a newly created fuel energy plant

Summary

A Polish company planning to implement a patent application of method and process line for the production of pulverized fuel raw energy from a biomass by launching the micronized dust biofuels plant is looking for partners offering a solution for raw materials contamination separators with initial fragmentation and micronization of biomass. The company is expecting partners for commercial agreement with technical assistance.

Creation Date	21 July 2014
Last Update	30 July 2014
Expiration Date	30 July 2015
Reference	TRPL20140624001

Details

Description

The company is planning to implement a patent application related to a method of production of energy from the pulverized fuel with a low heating value from the raw material, especially biomass, by launching the production of micronized dust biofuels based on herbaceous plants with a capacity of processing 3 tons per hour.

The solution is necessary for the implementation of technologies used in power plants and coal dust.

Technology should be based on milling process of biomass, which is introduced together with air into the pipe carrying the transmission wherein the the fuel dust is separated from air.

Technical Specification or Expertise Sought

Expected solution should have the ability to process 1200 tons of biomass per month (3 ton per hour).

The product resulting from the process should be less than 5% of moisture with heating value of 17 - 18 MJ / kg and the size of dust particles of about 50 microns.

Stage of Development

Available for demonstration

Keywords

Technology

004005007	Solid biomass

Market

006005015	Biomass and Biofuels

NACE

C.27.1.1	Manufacture of electric motors, generators and transformers
D.35.1.1	Production of electricity

Dissemination

Send to Sector Group

Environment

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English
Polish

Client Country

Poland

Partner Sought

Type and Role of Partner Sought

Type of partner sought: Industrial (Engineering / Biomass / Energy)

Role of the partner sought: Transfer of know-how, technical consultation of implementing technology to the new plant.

Type and Size of Partner Sought

SME 51-250

Type of Partnership Considered

Commercial agreement with technical assistance