Technology Request

Chilean enterprise specialized in the production of thermal energy based on biomass is looking for technology in Europe

Summary

Chilean enterprise specialized in the production in thermal energy based on biomass want to expand their area of work to the recycling and waste to energy in order to valorise them. The company is looking for partner with expertise in waste energy, wastes recycling, through services agreements.

Expiration Date 28 July 2017
Reference TRCL20160509001

Details

Description

Chilean enterprise founded on 1977 specialized in the production in thermal energy based on biomass. The enterprise have two business areas: sell steam and rent steam boiler. The sale of steam is doing by boilers specially design and built to burn forestry and agro industrial wastes. Actually the company have 8 industrial units in Chile as the client requested. All the units have a folding system and gas control that allowed to accomplish with the environmental normative.
The rent of steam boiler, have more than 15 mobile boilers manufactured in ramps that have all the needed equipment for the autonomous operating in the field. This service is oriented in order to satisfy the requirement of thermal energy fast and safety.
The boilers have the following characteristics: 0,5 (t/h) to 12 (t/h) with presions from 1 to 10,5 (bar) and soul be operated by diesel petrol FO N-5 and N-6 and forestry wastes.

The company is leader in the Chilean market and they are looking for technology in Europe in this sector (waste energy, wastes recycling) that could help them with the elaboration of waste energy. The company is willing to establish cooperation with partners with expertise through services agreements.

Technical Specification or Expertise Sought

The company is searching technology in the waste energy sector (incineration process, gas control, etc).

Keywords

Technology

004008	Energy efficiency
04005005	Solar/Thermal energy

Market

06003001	Solar/thermal energy

NACE

S.96.0.9	Other personal service activities n.e.c.

Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

1977

Turnover

10 - 20M

Already Engaged in Trans-National Cooperation

No.

Client Country

Chile

Partner Sought

Type and Role of Partner Sought

The company is looking for distinctive renewable energy production technologies and also energy efficiency products/systems that lead to innovative energy solutions/production in the wind and solar areas.

The company is leader in the Chilean market and they are looking for technology in Europe in this sector (waste energy, wastes recycling) that could help them with the elaboration of waste energy. The company is willing to establish cooperation with partners with expertise through services agreements.

Type and Size of Partner Sought

SME 11-50,SME <10,SME 51-250

Type of Partnership Considered

Services agreement
Commercial agreement with technical assistance

Technology Request

Seeking expertise for the development of an optical sorting system for mixed paper wastes

Summary

A Singapore SME specialising in waste paper management is seeking technologies or expertise to automate the identification, characterization and sorting of mixed paper waste to improve their current operations. The company seeks a licensing or research cooperation partnership with industrial partners (22-500 employees) or R&D institutions.

Expiration Date 26 July 2017
Reference TRSG20160719001

Details

Description

The Singapore SME is one of the key providers in the waste paper management industry in Singapore. It is an international company with partners from different global regions.

Sorting and separation of post-consumer recovered paper currently requires extensive manual processing which is laborious and human error is considerable.

As such, a reliable automated optical paper sorting system is required.

Types of partnerships sought include:
i) Licensing Agreement
ii) Research cooperation agreement

Types of partners sought include:
i) 251-500
ii) R&D Institution
iii) SME 11-50
iv) SME 51- 250

Technical Specification or Expertise Sought

The solution should comprise an optical based detection system with a simple and reliable sorting mechanism to allow sorting of mixed paper waste into different paper grades.

The detection system may consist of an array of optical sensors combined with advanced digital signal process and software algorithm to perform recognition of components in the mixed waste feed by material and colour travelling on a conveyor belt at a speed of up to 3 m/s.

Different kinds of materials such as colour printed and non-printed cardboard, catalogues, newspaper, magazines, and plastics should be identified. The solution should have a degree of flexibility and future usability for other materials sorting or multiple grade sorting capabilities.

The solution should be able to characterize paper (deinking), paper (non-deinking), plastics and others with at least 95% accuracy and sorting performance of at least 80%. The system should be reliable, easy to calibrate and able to operate at wide operating temperature ranges.

Possible materials that would be identified and rejected:

Non-paper products:
- Plastics
- Liquid packaging board / Tetra
- Textiles
- Metals and many other materials

Removal of:
- Brown and gray cardboard
- Corrugated cardboard
- Folded boxes
- Coloured printed cardboard
- Synthetic paper
- Plastic-laminated paper

Keywords

Technology

10003	Waste Management

Market

09003007	Other services (not elsewhere classified)

NACE

E.38	Waste collection, treatment and disposal activities; materials recovery
E.38.1	Waste collection
E.38.1.1	Collection of non-hazardous waste

Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME 50-249

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Client Country

Singapore

Partner Sought

Type and Role of Partner Sought

Types of partnerships sought include:
i) Licensing Agreement
ii) Research cooperation agreement

Types of partners sought include:
i) 251-500
ii) R&D Institution
iii) SME 11-50
iv) SME 51- 250

Type and Size of Partner Sought

SME 11-50,R&D Institution,251-500,SME 51-250

Type of Partnership Considered

License agreement
Research cooperation agreement

Technology Offer

SME offering a new technology for water-soap separation is seeking partners for further research development

Summary

The company has developed a new technology that successfully separates water and soap, allowing for the reuse of the resulting clean water in applications requiring large amounts of water. While a pilot project is already being implemented with foreign partners, the company looks forward to further development of the technology itself and investigation of its potential applications to reuse waste water. Any potential partners interested in research development are being sought.

Expiration Date 13 June 2017
Reference TOMT20160428001

Details

Description

The company provides reliable and cost-effective renewable energy solutions, created to drive the renewable energy market to the next level of innovation and customisation. The team strives to assist enterprises to reduce their dependence on fossil fuels by switching to reliable and affordable eco-friendly technologies for the benefit of present and future generations. The firm offers the full service from concept design, to installation and testing, to after-sales service.

Advantages and Innovations

The technology allows for the reuse of waste soapy water resulting from applications such as laundry. Since the technology relates to the separation process of the water and soap, it has potential to be applied to different applications requiring a lot of water (mixed with soap). Together with a complete customised system, the technology allows for the reuse of a lot of the water that would normally go to waste.

Keywords

Technology

004008	Energy efficiency
10004003	Wastewater Recycling
10004012	Water in Buildings

Market

07006	Other Consumer Related (not elsewhere classified)

NACE

F.43.9.9	Other specialised construction activities n.e.c.
M.71.1.2	Engineering activities and related technical consultancy

Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

2005

Turnover

1 - 10M

Already Engaged in Trans-National Cooperation

Yes

Client Country

Malta

Partner Sought

Type and Role of Partner Sought

Any kind of partner involved in research and development in the field of waste water treatment / water management / energy efficiency of buildings

Type and Size of Partner Sought

SME 11-50,University,Inventor,R&D Institution,SME <10,>500 MNE,251-500,SME 51-250,>500

Type of Partnership Considered

Research cooperation agreement