Technology Request

R&D partners sought on the development of textile goods applicable to medial area

Summary

A Korean university majoring in the textile engineering hopes to apply for an R&D project such as Horizon 2020 or others with Korean yarn and fabric manufacturing companies regarding medical textiles. The project idea is to develop sensor embedded garment and commercialize it by applying it to the medical clothing. Any partners interested in the development of textile goods under a research cooperation agreement and a technical cooperation agreement are welcomed.

Expiration Date	18 April 2018
Reference	TRKR20170412001
Profile link	

Details

Description

In Daegu city, South Korea, there are many kinds of textile companies and research institutes since it is the textile heart of the country. In addition, Daegu city is a medical town accumulated with various medical hospitals. These textile companies and medical hospitals hope to develop a patient uniform(garment) which is made of sensor embedded fabric.

Based on the demand of textile and medical industry, a Korean university located in Daegu city is looking for a European partner (SME or research institute) who possess a sensor embedded yarn manufacturing technology.

To conveniently and accurately check the status of patients by data exchange through the sensor embedded in the clothing, a patient uniform (garment) for a heart disease patient should be developed to enhance better mutual communication between the patient and the medical doctor.

The university wants to find European partners who can offer yarn and fabric manufacturing technology using iron or carbon embedded fibres.

The role of Korean university on the R&D consortium is to make sensor embedded yarns and fabrics, which is carried out using university's facilities. This will be performed through communication with European partners about sensor embedded technology.

Also, the university is hoping to apply for H2020 under the topic of development of a patient clothing/gowns. Apart from H2020, other European funded projects can be considered upon discussion. The partner should be interested in the research cooperation agreement and the technical cooperation agreement.

Technical Specification or Expertise Sought

Technical specifications of the partners for which a university is looking are as follows; (a)SME being capable of manufacturing sensor embedded yarns and fabrics (b)design company or research institute related to the sensor imbedded garment applicable to the patient uniform in the medical section.

Stage of Development

Proposal under development

IPR Status

Copyright

Keywords

Technology

03005009	Woven technical textiles for industrial applications

Market

08003005	Other industrial machinery for textile, paper & other industries

NACE

C.13.9.5	Manufacture of non-wovens and articles made from non-wovens, except apparel
C.13.9.6	Manufacture of other technical and industrial textiles

Open for EOI : Yes

Dissemination

Send to Sector Group

Textile and Fashion

Client

Type and Size of Organisation Behind the Profile

University

Year Established

1947

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English

Client Country

South Korea

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: SME or public research institute
- Specific area of activity of the partner: the partner should be an ICT or textile industry performing manufacturer or designer
- Task to be performed: A university hopes that the partner possesses manufacturing technology related to sensor embedded yarn and garment design.
(a) SME that can manufacture sensor embedded yarns and fabrics.
(b) design company or research institute related to the sensor imbedded garment for a heart disease patient uniform in the medical section.
The partner should be interested in applying for H2020 or other European funded projects.

Type of Partnership Considered

Technical cooperation agreement
Research cooperation agreement

Technology Request

UK University seeks industrial outdoor advertising partners for research collaborations

Summary

A major UK university and digital architecture research centre seeks industrial partners across Europe and beyond to form technical and research cooperation agreements for a project in the area of: Outdoor Advertising: interactive, pervasive and disruptive media. The industry partner will join an established EU wide consortium. This project will initially be self-funded but could develop into a larger collaborative EU funded project.

Expiration Date	06 December 2017
Reference	TRUK20161128001
Profile link	

Details

Description

This internationally acclaimed UK university is looking to develop an existing consortium made up of EU partners across business, government, research institutes, academia and non-governmental organisations that will lead to ground-breaking research, technological innovation, improvements to the built urban environment and consequent economic and societal impact. The focus of the proposed research will be on digital out-of-home (DOOH) advertising.

The consortium is working with leading experts and partners in architectural/urban design and marketing and are seeking a collaboration with experts from a wide range of disciplines and sectors with interests in augmented, interactive, digital, pervasive and disruptive media, wishing to work on emerging digital media/technologies, imaginative/radical marketing concepts, and leading-edge ideas in relation to digital outdoor advertising.

The project will be defined in conversation with the consortium partners, but will potentially address the following objectives:

• To develop and test practical applications that effectively address the question as to how DOOH advertising content can be embedded in three-dimensional urban spaces (hybrid space) from a design quality, public space, and societal perspective.

• To study the dynamic and integrative relationship between people and places in the context of everyday life and emerging links between the material and immaterial world of DOOH advertising, to develop responsive advertising, sensitive to both commercial needs, and urban aesthetic and societal considerations.

• To promote good design and to contribute to the provision of a sound evidence base for policy and practice, including the development of prototypes.

The UK university and digital architecture research centre seeks industrial partners across Europe and beyond to form technical and research cooperation agreements. This project will initially be self-funded but could develop into a larger collaborative EU funded project.

Technical Specification or Expertise Sought

Digital outdoor media/advertising technologies

Stage of Development

Concept stage

IPR Status

Copyright

Keywords

Technology

01003003	Artificial Intelligence (AI)
01003007	Computer Technology/Graphics, Meta Computing
01003025	Internet of Things
01005003	E-Publishing, Digital Content
01005006	Visualisation, Virtual Reality

Market

02002008	3D

NACE

R.90.0.3	Artistic creation

Open for EOI : Yes

Dissemination

Send to Sector Group

Creative Industries

Client

Type and Size of Organisation Behind the Profile

University

Year Established

1881

Turnover

>500M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
German

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

The UK University seeks industrial partners from EU to form technical and research cooperation. It seeks innovative industrial partners with interest in augmented, interactive, digital, pervasive and disruptive media, wishing to work on emerging digital media/technologies, imaginative/radical marketing concepts, and leading-edge ideas in relation to digital outdoor advertising

This project will initially be self-funded but could develop into a larger collaborative UK and EU funded project through for example a Knowledge Transfer Partnership or Horizon 2020 project.

Type and Size of Partner Sought

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

Type of Partnership Considered

Technical cooperation agreement
Research cooperation agreement

Technology Offer

Technology for integrated plastics/rubber recycling into useful products

Summary

A Ukrainian university developed an environmentally friendly technology for integrated plastics/rubber recycling into useful products (soles, accessories etc) using a set of equipment for grinding, moulding and mechanical polishing. It can be used in plastics recycling plants or in other manufacturing companies that need to recycle used plastics. The university is looking for partners (University, industry, R&D institution) interested in technical/research cooperation or licensing of know-how.

Expiration Date	24 January 2018
Reference	TOUA20161226001
Profile link	

Details

Description

There are two acute problems for the SMEs specialising in the production of polymer/plastics goods:
-how to find qualitative and cheap raw materials,
-how to develop the different approaches to rational reuse/processing of industrial wastes
Therefore, the development of new technologies/multifunctional equipment for plasic waste recycling is the necessary condition for further expansion of SMEs. Current methods of materials processing are often ineffective because they require high energy inputs as well as result in accumulation of wastes needed to be recycled/utilized.
A Ukrainian University developed a technology which provides an efficient solution to today's global challenges as following:
-complete recycling of raw polymer compositions into useful products,
- industrial wastes post-recycling.
The technological process consists of 3 stages:
- wastes grinding,
-preparation of feedstock for the recycling into products,
-manufacture of products by pressure die casting with further treatment.
The technology allows to reduce energy consumption as well as adverse environmental impact.
Current and potential fields of application:
-light industry,
-chemical industry,
-mechanical engineering,
-building.
The university is looking for partners (University, industry, R&D institution) interested in technical/research cooperation and joint implementation or licensing know-how

Advantages and Innovations

The complex approach to recycling allows to:
-reduce the whole cycle time of polymeric goods manufacturing,
-improve the product quality and design,
-reduce power consumption and environment pollution,
-reduce the need for human labour at different stages (preparation and final processing) of production,
-reduce the production costs due to the reduction of manufacturing cycle and recycling/reuse of materials,
-produce a set of polymer and mechanical rubber goods (soles, heels, tips, buttons etc).

Stage of Development

Prototype available for demonstration

Comments Regarding Stage of Development

The separate elements of complex equipment were created.
Waste recycling process was developed

IPR Status

Secret Know-how,Patents granted

Comment Regarding IPR status

3 patents of Ukraine

Profile Origin

National or Regional R&D programme

Keywords

Technology

02002010	Machining (turning, drilling, moulding, planing, cutting)
02002011	Machining, fine (grinding, lapping)
02006002	Construction methods and equipment
02006007	Management of construction process & life
10003004	Recycling, Recovery

Market

08003005	Other industrial machinery for textile, paper & other industries
08003007	Other industrial equipment and machinery

NACE

M.72.1.9	Other research and experimental development on natural sciences and engineering
P.85.4.2	Tertiary education

Open for EOI : Yes

Dissemination

Send to Sector Group

Sustainable Construction

Client

Type and Size of Organisation Behind the Profile

University

Year Established

1930

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
Russian

Client Country

Ukraine

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: Industry, University, R&D institution
- Specific area of activity of the partner: development of plastic recycling machinery/equipment,
- Task to be performed by the partner sought: to conduct a joint test/trials under a technical/research cooperation agreement, technology licensing and adoption

Type and Size of Partner Sought

SME 11-50,University,R&D Institution,SME 51-250

Type of Partnership Considered

License agreement
Technical cooperation agreement
Research cooperation agreement

Technology Request

Spanish innovation center looks for IT tool for business plan preparation for commercial agreement with technical assistance

Summary

A Spanish innovation centre is looking for an IT tool to help early stage entrepreneurs in the preparation of a business plan. The tool must be available for demonstration. The centre is looking for commercial agreement with technical assistance.

Expiration Date 15 November 2017
Reference TRES20161009001
Profile link

Details

Description

The Spanish innovation centre has been working with technology-based and knowledge-intensive new entrepreneurs for the last 20 years, including incubation services.

Nowadays, the centre is receiving requests from would-be entrepreneurs, with good ideas but lack of capacitation in entrepreneurship tools. The centre is looking for an IT tool to support these future entrepreneur in the preparation of a business plan.

The tool should be easy to use and it must deliver a business plan document. The tool can be accesible online, an APP or other format.

The center is looking for solutions available for demonstration, and commercial agreement with technical assistance, including adaptations, if neccesary, to EU legal requirements.

Technical Specification or Expertise Sought

The tool must easy to use and deliver a business plan document including at least:
- Description of the product / service offered
- Market analysis, target market, competitor analysis
- Financial plan with estimations of the following 2 years
- Break-even analysis
- SWOT-analysis

Stage of Development

Available for demonstration

Keywords

Technology

01003013	Information Technology/Informatics
11001	Socio-economic models, economic aspects
11002	Education and Training
11009	Creative products

Market

02006003	Computer training services
09003005	Consulting services

NACE

M.72.1.9	Other research and experimental development on natural sciences and engineering

Open for EOI : Yes

Dissemination

Send to Sector Group

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

R&D Institution

Year Established

1992

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
French
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

- Type of Partner Sought: business, academic or research organisation with experience in the development of tools for entrepreneurs.

- Tasks to be performed: to provide a tested IT tool to help entrepreneurs to prepare a business plan. Open to adaptations if necessary.

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

Commercial agreement with technical assistance