

PROPOSTE DI COLLABORAZIONE COMMERCIALE, TECNOLOGICA e PROGETTUALE DALL'EUROPA

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Eurostars2: partners sought (companies or research institutes) for development of Parkinson disease diagnosis device

Ref: RDKR20180131001

Details

| | |
|----------------------------|---|
| Summary | <p>A Korean SME specialized in developing and manufacturing diagnosis device seeks a partner for the Eurostars2 project. The project is aimed at developing the Parkinson disease diagnosis device, so the company is looking for companies or research institutes that have expertise in diagnosing Parkinson disease or engaged in medical field under research cooperation agreement.</p> <p>Background A South Korean SME specialized in emotion recognition technology is looking for a partner to conduct Eurostars2 project together. The SME has been researching the human signal analysis algorithms to detect human emotion and the human condition through the sensing human's biological signals.</p> |
| Description | <p>Target The objective of this project is to develop a Parkinson's disease diagnosis device that identifies the rhythmic feature of the articulation sentence of Parkinson disease patient, and it ultimately gives the result whether the patients have Parkinson disease or not.</p> <p>Role of the company The role of the partner in the project includes: - Specify the diagnosis sentence for Parkinson disease. - Collaborate in establishing diagnostic prediction model</p> <p>Deadline for EOI: 15 August 2018 Deadline for Call: 15 September 2018 Project duration: 156 week(s) - Fast diagnosis (within 1 min) - Noninvasive method (No pain) - Simple microphone and recording function - Low cost of diagnosis since Computed Tomography (CT) shooting or Magnetic Resonance Imaging (MRI) shooting is not necessary.</p> |
| Advantages and Innovations | |
| Stage of Development | Concept stage |
| IPR status | Other |

Keywords

| | |
|---------------------|---|
| Technology Keywords | 06001005 Diagnostics, Diagnosis 06001013 Medical Technology / Biomedical Engineering |
| Market Keywords | 05001007 Other diagnostic 05004005 Diagnostic equipment 05007006 Computer-aided diagnosis and therapy |

Partner Sought

| | |
|---------------------------------|--|
| Type and Role of Partner Sought | Type of partner sought - R&D institute, SME, and Larger company |
|---------------------------------|--|

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|---------------------------------|--|
| | Specific area of activity of partner - Audio, Hospital, Speech and Imaging application Tasks to be performed by the partner sought - Develop a Parkinson's disease diagnosis device - Specify the diagnosis sentence of Parkinson disease - Collaborate on establishing diagnostic prediction model |
| Type and Size of Partner Sought | >500 > 500 MNE 251-500 R&D Institution SME <10 SME 11-50 SME 51-250 |
| Type of Partnership Considered | Research cooperation agreement |

Client

| | |
|---|------------------------------|
| Type and Size of Client | Industry SME 11-49 |
| Year Established | 2015 |
| NACE Keywords | Q.86 Human health activities |
| Already Engaged in Trans-National Cooperation | No |
| Languages Spoken | English |
| Client Country | South Korea |
| Dissemination | |
| Sector Group | Healthcare |

Programme-Call

| | |
|---------------------------|---|
| Framework Programme | Eureka |
| Call title and identifier | Eurostars2 |
| Coordinator Required | No |
| Deadline for EOI | 15 Aug 2018 |
| Deadline for Call | 15 Sep 2018 |
| Project Duration | 156 week(s) |
| Weblink to The Call | https://www.eurostars-eureka.eu/ |

An Estonian spectroscopy company is looking for partners for H2020-EIC-SMEInst-2018-2020 SME-2 SME instrument phase 2

Ref: RDEE20171228001

Details

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|---|---|
| Summary | <p>An Estonian SME with more than 25 years of experience in the field of Fourier Transform Infrared (FTIR) Spectroscopy is looking for SME partners active in breast cancer diagnostics and treatment. The partners involved in the SME-2 project (H2020-EIC-SMEInst-2018-2020) should be active in clinical measurement services and capable to carry out infrared spectroscopic measurements of „in vitro“ samples from patients with breast cancer and from healthy persons.</p> <p>The Estonian company has been manufacturing Fourier Transform Infrared (FTIR) spectroscopy instruments since 1991. The company's instruments have been used in many fields and applications, including analytical chemistry, food, environment, biomedical and academic research.</p> |
| Description | <p>During these years, the company has been engaged in the development of infrared and near-infrared Fourier transform (FTIR) spectrometers for laboratory as well as for field use. The company's scientists and engineers have extensive research and development expertise regarding infrared and near infrared spectroscopic equipment. For instance, they have previously developed a series of infrared space-borne spectrometers for atmospheric research.</p> <p>The company has previously participated in several national and international projects connected with the development of innovative FTIR spectrometers. Now, they are putting together a consortium for the H2020-EIC-SMEInst-2018-2020 SME-2 SME instrument phase 2 call. The proposal will be submitted by 23 May 2018 and the company is expecting partner offers until 1 May 2018. The project activities are planned for ca. 2 years.</p> |
| Advantages and Innovations | <p>The main innovation of the technology is in the developed non-invasive remote screening method for breast cancer screening. The method is using infrared spectroscopy to non-invasively detect molecular changes in women who have cancer. Specifically, infrared spectroscopy of women's "in vitro" samples will be used to measure these changes.</p> |
| Stage of Development | <p>The analysis can be done remotely – "in vitro" samples can be sent to a laboratory in an envelope to the analyzing center. The attenuated total reflection (ATR) measurement technique will be used as the basic sample handling and measuring technique.</p> <p>Proposal under development</p> |
| Comments Regarding Stage of Development | <p>The spectra of "in vitro" samples of healthy women and patients with breast cancer have been measured by infrared spectroscopy. Some spectral differences were elucidated between samples of healthy women and that of breast cancer patients. A comparative study on the FTIR-ATR spectra of breast cancer patients along with the healthy subjects has been made. The spectral absorption values of some of the specific spectral bands of biomolecules present in the hair samples for both subjects are noted. It was observed that these biomarkers are different between samples of healthy women and that of breast cancer patients. The results were further validated with statistical analysis by applying Principal component analysis (PCA), which indicated that the spectral variations are statistically significant. The project has come through stage I (starting the development), stage II (building a proof of concept), stage III (developing the solution components), stage IV (developing the testing tools and tests) and has reached the stage V – building the solution.</p> |
| IPR status | Secret Know-how |
| Keywords | |

| | |
|---------------------|--|
| Technology Keywords | 06001005 Diagnostics, Diagnosis 09001007 Optical Technology related to measurements |
| Market Keywords | 03007003 Other analytical and scientific instrumentation 05001002 In-vitro diagnostics 05004005 Diagnostic equipment |

Partner Sought

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|---------------------------------|--|
| Type and Role of Partner Sought | The partners are active in medical diagnostics or clinical measurement services and capable to carry out infrared spectroscopic measurements of „in vitro“ samples from patients with breast cancer and from healthy persons. These partners would have to be SMEs, e.g. private healthcare or medical diagnostics centers or clinical measurement laboratories. All in all, the company is looking for a partner who has the necessary expertise and know-how to take responsibility for measuring the „in vitro“ samples with an FTIR spectrometer. |
| Type and Size of Partner Sought | SME <10 SME 11-50 SME 51-250 |
| Type of Partnership Considered | Research cooperation agreement |

Client

| | |
|---|---|
| Type and Size of Client | Industry SME <= 10 |
| Year Established | 1996 |
| NACE Keywords | C.28.9.9 Manufacture of other special-purpose machinery n.e.c. M.74.9.0 Other professional, scientific and technical activities n.e.c. Q.86.9.0 Other human health activities |
| Already Engaged in Trans-National Cooperation | Yes |
| Languages Spoken | English |
| Client Country | Estonia |
| Dissemination | |
| Sector Group | Healthcare |

Programme-Call

| | |
|----------------------------|---|
| Framework Programme | H2020 |
| Call title and identifier | EIC-SMEInst-2018-2020 SME Instrument Phase 2 |
| Anticipated Project Budget | 2 MEUR |
| Coordinator Required | No |
| Deadline for EOI | 01 May 2018 |
| Deadline for Call | 23 May 2018 |
| Weblink to The Call | https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/eic-smeinst-2018-2020.html |

[EUREKA] A Korean company is seeking R&D partners for developing sensor-embedded seat for automobile

Ref: RDKR20171212001

Details

Summary
A Korean SME specialized in manufacturing seat frames and components for automobile, is preparing a project proposal under the EUREKA programme. The R&D project proposal is about developing sensor-embedded seats for automobile to measure and analyse driver's physical condition. Company or institute with expertise and experience in sensor technology is welcomed to join the consortium for R&D collaboration.

In 2018, the elderly population will occupy 14% of the Korean population. As the aging population will continue to grow, the accident rate due to the limited physical functions of the elderly driver will also increase. In addition, the number of traffic accidents caused by drowsy driving in Korea was 2,433 cases in 2016, and the number has been steadily increasing since 2014.

For these reasons, the Korean company wishes to develop sensor embedded automotive seats to comply with the need for technology development that measures health condition such as heart rate, respiration and stress level of the driver's. The company wishes to cooperate with a partner that has sensor technology including noise cancellation function, as well as physical analysis function.

The Korean company has been supplying seat frames to Hyundai Motor, one of the biggest automobile manufacturers in Korea. Based on their several international business experiences, the company is able to comply with automobile safety regulations of Korea, the United States and Europe.

In addition, with its professional know-how in manufacturing automobile parts, the company is able to re-design seat frame structure along with sensor application. The company has enough equipment for prototype production and testing. The company is currently at the conceptualization stage for this sensor-embedded seat for automobile, and is in the process of proposal writing. As mentioned above, the company wishes to cooperate with a partner that has sensor technology including noise cancellation and physical analysis function. The goal of technology development for each phase is as follows:

Description

R&D step-by-step technology completion goal

- 1) Step 1: Developing measurement and analysis technology of physical information such as heart rate, respiration and stress level.
- 2) Step 2: Less than 10% error rate of respiration measurement and heart rate under 90~100km speed highway driving condition, and -40°C~ 95 °C temperature condition.
- 3) Step 3: Less than 10% error rate of physical analysis under general road driving condition of rapid acceleration, rapid deceleration and rough road surface etc.
- 4) Step 4: Prototype production and performance evaluation.

Since Ford of the United States stopped the development of a car seat for heart rate measurement, Faurecia, which collaborated with NASA, is the only company that has successfully commercialized it. Therefore, if this project is successful, the company would be the first company to develop a non-restraint automobile seat.

The company plans to commercialize the technology within 5 years, and wishes to join EUREKA project with the deadline of call on June 2018. Any offer for cooperation call between two countries is also negotiable.

- EoI for EUREKA call on June will be accepted until June 1st, 2018

- EoI for cooperation call between two countries will be accepted at least 3 weeks before due dates.

* Expected outcomes of R&D project *

1. The sensor-embedded seat doesn't hinder the appearance of the car seat (design innovation)
2. In contrast to conventional measuring method utilizing ECG(electrocardiogram) or laser sensor, the sensor-embedded seat works in everyday circumstances with clothes on without direct skin-contact.
3. The sensor technology with non-restraint measurement feature increases user convenience and utilization, as it can be applied to various fields.
4. The sensor embedded seat prevents drowsy driving: As a driver's fatigue level can be measured, the driver can quickly decide whether he/she should drive or not.
5. Support aging society: As the physical function of the elderly driver can be measured in real time, the rate of accidents due to individual body functions can be reduced.
6. As the technology is related to both automotive and health care field, it is possible to expand the business market into the health care sector.

Advantages and Innovations

7. Since Ford of the United States stopped the development of a car seat for heart rate measurement, Faurecia, which collaborated with NASA, is the only company that has successfully commercialized it. Therefore, if this project is successful, the company would be the first company to develop a non-restraint automobile seat.

Stage of Development Concept stage
 IPR status Patent(s) applied for but not yet granted
 Patents granted
 Secret Know-how

Keywords

Technology Keywords 01002004 Embedded Systems and Real Time Systems
 02009018 Measurement devices
 06005001 Safety & systems
 06005002 Sensors & Wireless products
 06005003 Health information management
 Market Keywords 02007007 Applications software
 05004001 Electromedical and medical equipment
 05010001 Safety for the elderly
 09001005 Motor vehicles, transportation equipment and parts

Partner Sought

Type and Role of Partner Sought - Type of partner sought: Company or research institute.
 - Specific area of activity of the partner: Healthcare, electronic components, ICT specialized in sensor technology.
 - Task to be performed: Development of sensor technology, noise cancellation technology, physical information analysis system.
 Type of Partnership Considered Research cooperation agreement

Client

Type and Size of Client Industry 250-499
 Year Established 1985
 NACE Keywords H.49.3.1 Urban and suburban passenger land
 Turnover (euro) 100 - 250M
 Already Engaged in Trans-National No
 Languages Spoken English
 Client Country South Korea
 Dissemination
 Sector Group Automotive, Transport and Logistics

Programme-Call

Framework Programme Eureka
 Call title and identifier [EUREKA] A Korean company is seeking R&D partners for
 Coordinator Required No
 Deadline for EOI 01 Jun 2018
 Deadline for Call 29 Jun 2018
 Project Duration 240 week(s)

Spanish health knowledge management company is looking for clinical centres and eHealth consultancies from Denmark, France, Italy, Portugal and Turkey for a pre-commercial public procurement

Ref: TRES20170619001

Details

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| Summary | <p>Spanish company based in Barcelona experienced in health knowledge management is developing a new ICT tool for the management of chronic illnesses patients. Clinical centres and eHealth consultancies from Denmark, France, Italy, Portugal and Turkey are sought for technical cooperation agreements to develop and test the technology. The aim of the company is to take part in a pre-commercial public procurement.</p> <p>The Spanish company based in Barcelona with offices in Europe and Latin-America has more than 37 years of experience in the management of knowledge in health. The company is focused on continuous medical education, improve the health management based on ICT to large private and public health providers, Patient Support Programs for professional and patient empowerment and mHealth.</p> |
| Description | <p>The company is developing a new ICT tool to enhance self-management for people with chronic illnesses. The tool is firstly focusing on diabetes, chronic obstructive pulmonary disease (COPD) and cardiac insufficiency. The enterprise is looking for partners to reinforce their clinical background and Health System understanding to other countries different than Spain.</p> <p>The purpose is to apply for the Pre-Commercial Procurement (PCP) EMPATICS, launched by 7 institutions from Spain, France, Denmark, UK and Ireland. The procurement comprises the development of the tool and the test at a large scale</p> <p>The company is looking for medical partners (public or private). Clinical centres with a clear medical knowledge of the diseases and also a clear understand of the local health system. eHealth consultancies to provide additional support on ICT-health related issues.</p> <p>Clinical centres and eHealth consultancies from Denmark, France, Italy, Portugal and Turkey are sought for technical cooperation agreement to develop and test the new tool.</p> |
| Technical Specification or Expertise Sought | <p>The partners should have a strong background on health ecosystem. On this direction, the company is looking for clinical centres with experience in diabetes, COPD and cardiac insufficiency; and consultancy firms with deep knowledge of aspects such a solution integration, digital ecosystem and interoperability, among others.</p> |
| Stage of Development | Under development/lab tested |
| IPR status | Other |
| Deadline Date | 7/3/2018 12:00:00 AM |

Keywords

| | |
|---------------------|---|
| Technology Keywords | 06001002 Clinical Research. Trials 06001012 Medical Research 06005001 Safety & systems 06005003 Health information management 06005004 Remote diagnostics |
| Market Keywords | 05005003 Endocrinology 05005007 Pulmonary medicine 05007004 Monitoring equipment |

05007006 Computer-aided diagnosis and therapy
05007007 Other medical/health related (not elsewhere classified)

Partner Sought

Type and Role of Partner Sought - Medical Partner (public/private): a clinical center will have both a clear medical knowledge of the disease and also a clear understand of the local health system.
- eHealth consultancy Partner (public/private): on top of above skills, a consultancy partner could provide additional support on aspects such a solution integration, digital ecosystem, interoperability, among others

The partners will act as advisors for the project, providing its local knowledge and expertise, and will collaborate in the pilot phase.

Type and Size of Partner Sought 251-500
R&D Institution
SME <10
SME 11-50
SME 51-250

Type of Partnership Considered Technical cooperation agreement

Client

Type and Size of Client Industry SME 11-49
Year Established 1979
NACE Keywords J.58.1.1 Book publishing
Already Engaged in Trans-National Cooperation Yes
Languages Spoken English
Spanish
Client Country Spain

Looking for space technologies which could be transferred to the health and medical care sector

Ref: TRFR20171218001

Details

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| Summary | <p>The French start-up specializes in technology transfer from the space sector to the health and medical care sector. The company is looking for partners for a research cooperation agreement to start new R&D projects in a partnership model.</p> <p>The French start-up was founded in 2015. First dedicated to aerospace medical research, the company decided to specialize in technology transfer from the space sector to the health and medical care sector.</p> <p>The company is developing its own R&D department to implement various projects which aim to improve health through space medicine discoveries.</p> |
| Description | <p>Examples:</p> <ul style="list-style-type: none">- A Virtual Reality platform to train astronauts in order to perform all tasks related to their mission can also be used to cure brain disorders and disorientation;- A Non-Invasive electrical impedance spectroscopy for coronary disease and decompression sickness in space can become a portable and non-invasive device for coronary artery disease diagnosis on earth. <p>The French company is looking for research cooperation agreements to start such new R&D projects in a partnership model.</p> |
| Technical Specification or Expertise Sought | <p>The partner should own space technologies available for demonstration, that could be related to medical care or the health sector. The partner should have a proven track record of R&D projects in the space sector.</p> |
| Stage of Development | <p>Available for demonstration</p> |
| Comments Regarding Stage of Development | <p>Stage of development depends highly on the TLR of the product</p> |
| IPR status | <p>Granted patent or patent application essential</p> |
| Deadline Date | <p>1/18/2019 12:00:00 AM</p> |

Keywords

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|---------------------|--|
| Technology Keywords | <p>01004001 Applications for Health 02011 Aerospace Technology 02011005 Space Exploration and Technology 06001 Medicine, Human Health 06005003 Health information management</p> |
| Market Keywords | <p>05 MEDICAL/HEALTH RELATED 05004 Medical equipment</p> |

Partner Sought

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|---------------------------------|--|
| Type and Role of Partner Sought | <p>The French tech company wants to cooperate with companies dedicated to the aerospace sector.</p> <p>The partner should have a proven track record of R&D projects in the space sector.</p> <p>The company is looking for research cooperation agreements to transfer space technologies which could have an interest for the medical care and health sectors.</p> <p>The new potential R&D projects should be planned in a partnership model to</p> |
|---------------------------------|--|

reach together commercialization or to apply to H2020 calls.
Type and Size of Partner Sought SME 51-250
University
Type of Partnership Considered Research cooperation agreement

Client

Type and Size of Client Industry SME <= 10
Year Established 2015
NACE Keywords Q.86.1.0 Hospital activities
Q.86.9.0 Other human health activities
Turnover (euro) <1M
Already Engaged in Trans-National Cooperation Yes
Languages Spoken English
French
Client Country France

Greek personalized wellness solution for empowered consumers, enabling behavioural change for an improved and healthy lifestyle

Ref: TOGR20170602001

Details

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|----------------------------|--|
| Summary | <p>A Greek e-health company has developed a personalized wellness solution which enables the consumer to collect, integrate and access personal health and wellness information and translate them into lifestyle changes for improved health. It is looking for high-tech partners in UK, Cyprus, Romania, Italy and Spain who would be interested in acquiring this application.</p> <p>A Greek company, established by a group of experienced scientists active in telemedicine applications, has created a unique and totally personalized mobile health and wellness experience for healthcare consumers.</p> <p>Longer life spans, and ageing baby boomers in the Internet era, are shaping the future of the healthcare market. Solutions focusing on delivering positive patient outcomes, instead of rewarding stakeholders for simply providing care, are crucial to the future health landscape, and value is placed on products, services or business models that incrementally benefit consumers and reduce costs, primarily because they are based on prevention rather than on cure.</p> <p>The proposed technology tackles the prevention of what is often referred to as the modern lifestyle disease. Symptoms may include obesity (due to lack of exercise), diabetes (from high calorie intake), hypertension (due to increased salt consumption), and high cholesterol levels (from consuming foods rich in fat), as well as anxiety, or even chronic bronchitis (from smoking). Several of these are preventable, especially in younger people, if the health-conscious individual is engaged in a healthier lifestyle. For older citizens who may already be suffering from one or more modern lifestyle problems (such as high blood pressure, diabetes, heart disease and other chronic diseases) there is still the possibility for stabilization, improvement, and further prevention, as long as the individual becomes aware, is able to monitor fluctuations, and is given healthier choices or solutions to embrace. It addresses the need for a holistic approach to an individual's issues, involving all aspects of health and wellness: prevention, healthy nutrition, adequate physical activity, even disease management, for a healthy life.</p> |
| Description | <p>The application on offer monitors and analyses health data (such as blood pressure) and gives feedback on possible solutions to correct any imbalances, such as lemon juice to reduce hypertension, or advice on avoiding strenuous exercise or choosing alternative activities.</p> <p>The consumer has the option either to install it on any smartphone or tablet, or use a wearable smart device. Thus, he or she can register and manage various health and general well-being related parameters, via structured questionnaires based on a goal-setting theory, regarding:-</p> <ol style="list-style-type: none">1. Nutrition intake monitoring, for maintaining or losing weight, or adjusting biochemical parameters such as cholesterol, blood glucose level, etc.2. Physical exercise monitoring, in combination with external sensors which measure pace, heart and activity rates. This is also possible manually using embedded tools.3. Monitoring vital data and health indicators, using a wide variety of external smart sensors for capturing data, or by using embedded tools.4. Personal health record, where all health-related parameters can be stored, such as existing diagnosed medical conditions or operations the individual has undergone, as well as current medication, etc.5. Health / activity calendar, where the user manages his/her dietary or physical activity goals.6. Reminders, notifications, motivation messages, based on the analysis of registered personal data and provision of consultations for maintaining fitness and health levels, in line with dietary and exercise goals. <p>The company is looking for partnership with large companies from the tourism and health sector (such as hotel chains, clinics, tourist operators) in order to conclude commercial agreements with technical assistance. The target countries are: UK, Cyprus, Romania, Italy and Spain</p> <p>The cloud solution is an online advanced personal health record system where the consumer has the opportunity to synchronize the information from the application or wearable smart device, view the collected data statistics, graphs and receive personalized dietary, activity goals and motivational messages, notifications – reminders which are based on:</p> |
| Advantages and Innovations | <ol style="list-style-type: none">1. Goal-setting theory for dietary, physical activity behaviour change. A 4-step goal-setting process has been identified: recognizing a need for change; establishing a goal; adopting a goal-directed activity and self-monitoring it; self-rewarding goal attainment |

2. Data mining and analysis, which automatically identify patterns in the fused dataset, extract information and transform it into understandable structures to facilitate care knowledge.
3. Predictive risk stratification, through an algorithm for decision support stratification of patient / consumer risk of cognitive impairment based on extracted knowledge and clinical protocols.

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| Stage of Development | Already on the market |
| IPR status | Secret Know-how Trade Marks |
| Profile Origin | Private (in-house) research |
| Deadline Date | 6/19/2018 12:00:00 AM |

Keywords

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|---------------------|---|
| Technology Keywords | 01003001 Advanced Systems Architecture |
| Market Keywords | 05001001 Diagnostic services |
| | 05004005 Diagnostic equipment |
| | 05007006 Computer-aided diagnosis and therapy |

Partner Sought

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|---------------------------------|---|
| Type and Role of Partner Sought | Large hotel chains (preferably 4-star and above) wish to make smart synergies like personalised health menus, activity plans etc Tourist operators (in particular those dealing with cruises, large hotel chains, activity tourism such as summer camps, and with health / medical tourism). Large medical and specialised health establishments such as clinics, health centres that can provide integrated health and nutrition services, remotely. |
| Type and Size of Partner Sought | > 500 251-500 SME 11-50 SME 51-250 |
| Type of Partnership Considered | Commercial agreement with technical assistance |

Client

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|---|---|
| Type and Size of Client | Industry SME 11-49 |
| Year Established | 2002 |
| NACE Keywords | J.61.2.0 Wireless telecommunications activities Q.86.2.2 Specialist medical practice activities |
| Turnover (euro) | <1M |
| Already Engaged in Trans-National Cooperation | Yes |
| Additional Comments | The company has long-term experience in the field of technology utilization for chronic disease management, prevention and screening. In particular, it transforms existing health-telematics products into a consumer-oriented tool for health and wellness. It combines interdisciplinary expertise and mass volume data to generate individualized alerts and behavioural change goals for the consumer, motivating him/her to comply with a predefined plan. It engages with the consumer, introducing one-to-one communication, through innovative big data analysis, which deliver a comprehensive and individualised customer service for managing health and wellness. |
| Certification Standards | ISO 9001 |
| Languages Spoken | English Greek |
| Client Country | Greece |

A paperless management system and on-demand e-recruitment software system to address staffing problems within the health and social care sector.

Ref: TOUK20170630001

Details

Summary

An established UK technology company with expertise in health and social care digital solutions applications has developed a paperless management system and an innovative on-demand e-recruitment Software as a Service (SaaS) system to ease staffing and recruitment problems in the health and social care industry. Partners are sought for commercialisation via license and services agreements, and also expansion and adaptation for other sectors via research and/or technical cooperation agreements.

The UK health and social care technology company has developed 2 complementary systems aimed at addressing staffing problems within the health and social care sector:

a) A paperless management system which minimises paper and maximises the delivery of efficient care for the domiciliary care industries. It is a mobile and web application system.

b) An on-demand e-recruitment Software as a Service (SaaS) system, designed to address the staffing problems within the health and social care industry. This is achieved through bridging the gap between employing bodies, agencies and their registered employees in filling on-demand or on-the-go emergency jobs.

The technology creates a better coordination between the health and social care bodies; recruitment agencies; their registered employees and service users, who are the key stakeholders in this industry. It uses a web application to integrate these stakeholders, enabling on-demand or on-the-go emergency jobs to be filled instantly with transparency.

Description

The health and social care bodies can post their jobs on the web application with all the relevant specifications. On receiving the jobs, the recruitment agencies activate the notification to their registered employees and those in the region with their mobile application turned on will receive an instant message with brief details of the job, place and the service users to be attended.

The SaaS comes with two mobile applications, one for the customers to book services and the other for the providers to accept and manage bookings. It also comes with additional management systems for improved administration:

- Payroll Management
- Account Management
- Analytics

The mobile application includes a function to filter jobs by region, area, amount payable and tasks involved. Therefore, the employees can narrow down the instant messages they receive from the application. The person who selects the job will appear on the screen of the health and social care bodies' web application, who can then select the person fitting their criteria. The person who accepts the job first and meets the criteria gets acknowledged. The full details of the job will then be sent to the acknowledged people. Once acknowledged, the person has a binding obligation to fulfil the job.

The company is interested in finding suitable partners to use or commercialise the system, such as employing bodies, recruitment agencies and collaborators with complimentary services. Ideally, the potential partners would be in the private and public health and social care or technology field but not limited to them. The

system is intended to be offered through licensing or services agreements.

The company is also interested in finding potential partners from both public and private organisations for expansion and adaptation of both systems for other sectors, via research and/or technical cooperation agreements.

The paperless management system minimises paperwork for health and social care professionals who do home visits. Care jobs can be sent and received remotely. Once completed this is fed back to the main system. This system becomes the framework for the SaaS system in terms of doing, completing jobs and sending feedback.

The SaaS integrates three groups of people (employers, agencies/employees and service users) through a mobile app allowing on demand or on the go emergency jobs to be filled in a timely manner. The app gives users the ultimate flexibility to engage from anywhere, whether that's the desktop in their office or a smartphone when on the move. The SaaS comes with an additional package for improved administration that covers payroll management, account management and analytics.

Advantages and Innovations

The SaaS offers the following advantages:

The ability to seamlessly connect employing bodies, agencies and their registered employees in the health and social care industry within a matter of seconds.

The app is fast to download and launch since most of the information is stored in the application itself making it possible to function offline.

The app reduces the costs currently being incurred through phone calls, SMS messages and paperwork for the same purpose in this industry.

The app offers automatic geo locating, and if connectivity is lost, it can pick up the last location of loss and has an option of launching data recovery.

Stage of Development

Available for demonstration

Comments Regarding Stage of Development

The system is customisable to different organisations with diverse needs so it is flexible.

IPR status

Copyright
Secret Know-how
Trade Marks

Profile Origin

Private (in-house) research

Deadline Date

7/12/2018 12:00:00 AM

Keywords

| | |
|---------------------|--|
| Technology Keywords | 006001002 Care and Health Services |
| | 01004001 Applications for Health |
| | 01004007 GIS Geographical Information Systems |
| | 01004008 ERP - Electronic Resources Planning |
| Market Keywords | 11004 Technology, Society and Employment |
| | 02007012 Medical/health software |
| | 05007005 Hospital and other institutional management |

Partner Sought

Type and Role of Partner Sought

Type of partner sought: Health and social care industry, public and private sector, employers, recruitment agencies, decision makers. Interested similar organisations from other sectors.

Role of partner sought: Use or commercialisation of the system via licensing or

services agreements. Employing bodies would register and post jobs on the system. The recruitment agencies register themselves and their vetted agents take up the posted jobs according to proximity of vicinity and job criterion match.

Collaboration to expand and adapt the system for other sectors through research and/or technical cooperation agreements.

> 500

> 500 MNE

Type and Size
of Partner
Sought

251-500

R&D Institution

SME <10

SME 11-50

SME 51-250

Type of
Partnership
Considered

License agreement

Research cooperation agreement

Services agreement

Technical cooperation agreement

Client

Type and Size of Client

Industry SME <= 10

Year Established

2014

NACE Keywords

J.63.1.1 Data processing, hosting and related activities

J.63.1.2 Web portals

N.78.1.0 Activities of employment placement agencies

Q.87.1.0 Residential nursing care activities

Q.87.3.0 Residential care activities for the elderly and disabled

Turnover (euro)

<1M

Already Engaged in Trans-National
Cooperation

No

Languages Spoken

English

Client Country

United Kingdom

A Spanish start-up company is looking for hospitals and medical research centres specialized in neurology in order to conduct clinical trials to validate a new technology for the diagnosis of neurological and mental disorders

Ref: BRES20160927001

Details

| | |
|---|--|
| Title | A Spanish start-up company is looking for hospitals and medical research centres specialized in neurology in order to conduct clinical trials to validate a new technology for the diagnosis of neurological and mental disorders |
| POD Reference | BRES20160927001 |
| Summary | <p>A Spanish start-up is working on the development of a technology based on the analysis of eye movements for the diagnosis in early stages of many neurological and mental disorders. In order to validate it the company is looking for hospitals and medical research centres specialized in neurology disorders, willing to conduct clinical trials under subcontracting agreement.</p> <p>The Spanish start-up was born in 2014 as a medtech company focused on the development of innovative and disruptive solutions in key areas of health systems. The company has developed a diagnosis platform, based on the analysis of eye movements, that combines the analysis of ocular and oculocephalic movements (OM/OCM) with data obtained from other sources (clinical histories, medical explorations, complementary trials and biomarkers).It will help physicians to improve significantly the quality of medical assessments in early stages for many neurological and mental disorders.</p> |
| Description | <p>Instrumental eye movement analysis can be useful in clinical setting; this technique provides physicians with accurate measures of the different eye movements (saccades, nystagmus, smooth pursuit, vestibuloocular reflex) and related parameters (gain, velocity, accuracy, phase, etc.) that cannot be estimated by a simple clinical examination.</p> <p>The company has already started cooperation with several hospitals and medical research centres from Spain and other countries for the validation of this technology through clinical trials with patients. Nevertheless, the company is looking to expand its cooperation network with more international partners in order to increase the number of clinical trials conducted</p> |
| Technical Specification or Expertise Sought | The partner sought must hold experience in clinical trials within the field of neurological and mental disorders. |
| Deadline Date | 9/23/2018 12:00:00 AM |

Keywords

| | |
|---------------------|--|
| Technology Keywords | 01004001 Applications for Health 06001 Medicine, Human Health 06001013 Medical Technology / Biomedical Engineering |
| Market Keywords | 05 MEDICAL/HEALTH RELATED |

Partner Sought

| | |
|---------------------------------|--|
| Type and Role of Partner Sought | - Type of partner sought: Hospitals and medical research centres |
| | - Specific area of activity of the partner: Specialization in neurological disorders. |

- Task to be performed:
To validate this technology throughout clinical trials performed on patients.

Type of Partnership
Considered

Subcontracting

Client

Type and Size of Client

Industry SME 11-49

Year Established

2014

NACE Keywords

C.32.5 Manufacture of medical and dental instruments and supplies

Turnover (euro)

<1M

Already Engaged in Trans-National
Cooperation

Yes

Languages Spoken

English
Spanish

Client Country

Spain

An Estonian spectroscopy company is looking for partners for H2020-EIC-SMEInst-2018-2020 SME-2 SME instrument phase 2

Ref: RDEE20171228001

Details

| | |
|---|---|
| Summary | <p>An Estonian SME with more than 25 years of experience in the field of Fourier Transform Infrared (FTIR) Spectroscopy is looking for SME partners active in breast cancer diagnostics and treatment. The partners involved in the SME-2 project (H2020-EIC-SMEInst-2018-2020) should be active in clinical measurement services and capable to carry out infrared spectroscopic measurements of „in vitro“ samples from patients with breast cancer and from healthy persons.</p> <p>The Estonian company has been manufacturing Fourier Transform Infrared (FTIR) spectroscopy instruments since 1991. The company's instruments have been used in many fields and applications, including analytical chemistry, food, environment, biomedical and academic research.</p> |
| Description | <p>During these years, the company has been engaged in the development of infrared and near-infrared Fourier transform (FTIR) spectrometers for laboratory as well as for field use. The company's scientists and engineers have extensive spectroscopic equipment expertise regarding infrared and near infrared spectroscopic equipment. For instance, they have previously developed a series of infrared space-borne spectrometers for atmospheric research.</p> <p>The company has previously participated in several national and international projects connected with the development of innovative FTIR spectrometers. Now, they are putting together a consortium for the H2020-EIC-SMEInst-2018-2020 SME-2 SME instrument phase 2 call. The proposal will be submitted by 23 May 2018 and the company is expecting partner offers until 1 May 2018. The project activities are planned for ca. 2 years.</p> |
| Advantages and Innovations | <p>The main innovation of the technology is in the developed non-invasive remote screening method for breast cancer screening. The method is using infrared spectroscopy to non-invasively detect molecular changes in women who have cancer. Specifically, infrared spectroscopy of women's "in vitro" samples will be used to measure these changes.</p> |
| Stage of Development | <p>The analysis can be done remotely – "in vitro" samples can be sent to a laboratory in an envelope to the analyzing center. The attenuated total reflection (ATR) measurement technique will be used as the basic sample handling and measuring technique.</p> <p>Proposal under development</p> |
| Comments Regarding Stage of Development | <p>The spectra of "in vitro" samples of healthy women and patients with breast cancer have been measured by infrared spectroscopy. Some spectral differences were elucidated between samples of healthy women and that of breast cancer patients. A comparative study on the FTIR-ATR spectra of breast cancer patients along with the healthy subjects has been made. The spectral absorption values of some of the specific spectral bands of biomolecules present in the hair samples for both subjects are noted. It was observed that these biomarkers are different between samples of healthy women and that of breast cancer patients. The results were further validated with statistical analysis by applying Principal component analysis (PCA), which indicated that the spectral variations are statistically significant. The project has come through stage I (starting the development), stage II (building a proof of concept), stage III (developing the solution components), stage IV (developing the testing tools and tests) and has reached the stage V – building the solution.</p> |
| IPR status | Secret Know-how |
| Keywords | |

| | |
|---------------------|--|
| Technology Keywords | 06001005 Diagnostics, Diagnosis 09001007 Optical Technology related to measurements |
| Market Keywords | 03007003 Other analytical and scientific instrumentation 05001002 In-vitro diagnostics 05004005 Diagnostic equipment |

Partner Sought

| | |
|---------------------------------|--|
| Type and Role of Partner Sought | The partners are active in medical diagnostics or clinical measurement services and capable to carry out infrared spectroscopic measurements of „in vitro“ samples from patients with breast cancer and from healthy persons. These partners would have to be SMEs, e.g. private healthcare or medical diagnostics centers or clinical measurement laboratories. All in all, the company is looking for a partner who has the necessary expertise and know-how to take responsibility for measuring the „in vitro“ samples with an FTIR spectrometer. |
| Type and Size of Partner Sought | SME <10 SME 11-50 SME 51-250 |
| Type of Partnership Considered | Research cooperation agreement |

Client

| | |
|---|---|
| Type and Size of Client | Industry SME <= 10 |
| Year Established | 1996 |
| NACE Keywords | C.28.9.9 Manufacture of other special-purpose machinery n.e.c. M.74.9.0 Other professional, scientific and technical activities n.e.c. Q.86.9.0 Other human health activities |
| Already Engaged in Trans-National Cooperation | Yes |
| Languages Spoken | English |
| Client Country | Estonia |
| Dissemination | |
| Sector Group | Healthcare |

Programme-Call

| | |
|----------------------------|---|
| Framework Programme | H2020 |
| Call title and identifier | EIC-SMEInst-2018-2020 SME Instrument Phase 2 |
| Anticipated Project Budget | 2 MEUR |
| Coordinator Required | No |
| Deadline for EOI | 01 May 2018 |
| Deadline for Call | 23 May 2018 |
| Weblink to The Call | https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/eic-smeinst-2018-2020.html |