Maltese startup seeks hardware and software, forfacial motion capture, and 3D scanning andmodelling, for its X Reality (XR) media lab fromEuropean partners willing to enter into commercialagreements with technical assistance or jointventures

Summary

Profile type	Company's country	POD reference
Technology request	**Malta**	**TRMT20220503006**
Profile status	**Type of partnership**	**Targeted countries**
PUBLISHED	**Commercial agreement with technical assistance**	**• World**
Contact Person	**Term of validity**	**Last update**
Alexia Pace Kiomall	**3/5/2022** **3/5/2023**	**05/03/2022**

General Information

Short summary

A Maltese technological advertising start-up is seeking suppliers and/or service providers topurchase and/or collaborate on solutions for its X Reality (XR) media lab including facial motioncapture, 3D scanning and modelling, and motion capture hardware and software. Main partnerstargeted are from European countries for entering into a commercial agreement with technicalassistance or joint venture.

Full description

The Maltese company currently provides software and hardware visual light-emitting diode (LED)solutions for commercial marketing to shop owners by transforming existing indoor glassshowcases and walls into a transparent video display wall. Its research team is working onextending its solutions for outdoor marketing on billboards, large-scale display for events andexhibitions and public advertising.
The company is planning to venture into virtual production for its clients by creating an XR medialab with LED walls, LED ceiling and LED fl oor as shown in the image to be able to demonstrate theirsolutions to potential customers and allow them to experience the visuals prior to purchasing. TheXR media lab will also serve as a media production centre for commercial, educational, and medicaluse.
The company is thus seeking hardware and software for:
• facial motion capture

• 3D scanning and modelling and
• motion capture solutions.
Suppliers and/or service providers from Europe are sought for entering into a commercialagreement with technical assistance or a joint venture.

Advantages and innovations

Stage of development

Under development

Sustainable Development goals

• Goal 9: Industry, Innovation and Infrastructure

IPR Status

No IPR applied

Partner Sought

Expected role of the partner

The ideal partner would be software and hardware solution provider to either purchase facial and motion capture solutions and 3D scanning and modelling solutions from, or to join force with to help with developing its XR media lab. Main interest is in partnering with European suppliers and/or service providers for a commercial agreement with technical assistance or a joint venture.

Type of partnership

Commercial agreement with technical assistance

Type and size of the partner

• SME 11-49

• SME 50 - 249

• R&D Institution

Dissemination

Technology keywords

• 01005006 - Visualisation, Virtual Reality

Market keywords

• 03004003 - Other electronics related equipment

• 07002005 - Other retailing

Targeted countries

• World

Sector groups involved

Media

Images

LED wall and floor

0

LED wall and floor

0

Dutch supplier of vending machines is looking for sustainable packaging for coffee and tea

Summary

Profile type	Company's country	POD reference
Technology request	**Netherlands**	**TRNL20220504008**
Profile status	**Type of partnership**	**Targeted countries**
PUBLISHED	**Commercial agreement with technical assistance** **Research and development cooperation agreement**	
Contact Person	**Term of validity**	**Last update**
Ellen Wermink	**4/5/2022** **4/5/2023**	**05/12/2022**

General Information

Short summary

The company wishes to distribute their coffee and tea products in a more sustainable packaging, taking quality and food safety guidelines into account. The company is offering 24/7 access to the best selection of tasty, high-quality and sustainable coffee and tea in combination with nutritious soft drinks and snacks. The company believes that people get more out of life if they eat and drink well. They offer a complete coffee experience with a focus on sustainable impact, quality and vitality.

Full description

The company has the ambition to offer a zero waste coffee and tea experience by 2025. In order to achieve this, they wish to make their packaging more sustainable. They aim: replace their current product packaging by a more sustainable/recyclable packaging without losing its barrier-properties and maintaining ease of use.

This innovation is needed as coffee and tea packages are residual waste. The products are packaged in a material of composite plastics and sometimes vapor-deposited aluminum. The company wishes a plastic free/non-disposable alternative for coffee and tea products. In this way they increase the potential to recycle a lot of packaging every year.

Challenges:
- Current material for packaging contains more layers and is hard to dispose correctly
- Requested high barrier attributes vs. aluminum- or other existing plastic coating alternatives, e.g. valve for degassing coffee, shelf-life extension iot prevent higher costs and waste

- Waste processors do not accept compostable alternatives
- Higher operating effort and inefficient waste processing costs for relatively small separate waste streams
- Higher prices and costs are difficult to push back in their higher volume markets
- The company is committed to reducing (single-use) plastic in the whole supply chain, therefore plastic solutions are not desirable
- Printing on packaging material is needed as packaging and printing is sometimes outsourced

This technology request is part of an innovation challenge and is published on an open innovation platform from 02/05/2022 and will close on 12/06/2022. If an organization does express interest in collaboration with this company before closing date, it will be guided through this open innovation platform and will be introduced to its moderator and the company's experts. Mind that posts on this platform are not confidential.
Next step is that the company will select the SMEs with whom they would like to cooperate in the development of the solution.

Advantages and innovations

- An exciting assignment in which you could help them become more sustainable and bring packaging into the world that makes hopefully not just them, but also their customers very happy.
- A chance of making real impact with regards to sustainability due to high volumes: approx. 1,2 mio kg coffee and 30 mio tea bags a year. Currently none of their coffee and tea packaging can be recycled. You can help them work on this!
- Eventually they might wish plastic free or non-disposable alternatives for the whole product assortment.
- Exchange of knowledge
- A possible long term business relationship with the CSR frontrunner in the Dutch coffee and tea market

Stage of development

Available for demonstration

Sustainable Development goals

- **Goal 11: Sustainable Cities and Communities**
- **Goal 17: Partnerships to achieve the Goal**
- **Goal 12: Responsible Consumption and Production**
- **Goal 3: Good Health and Well-being**

IPR Status

Secret know-how

Partner Sought

Expected role of the partner

They expect a demonstrable sustainable material-/packaging solution which meets all their desired requirements and functionalities, without it losing barrier-properties such as food safety and quality of the product.

They have not found a suitable mono material yet. Can you help them find a new sustainable material that doesn't contain plastics? They hereby invite all companies to think along with them for ideas on how to improve the packaging materials within the Dutch coffee and tea industry and internationally for their mother company. They would like to hear both mature as green ideas, all is welcome.

Type of partnership

Type and size of the partner

Commercial agreement with technical assistance

Research and development cooperation agreement

- **R&D Institution**
- **University**
- **SME 11-49**
- **SME <=10**
- **Other**
- **SME 50 - 249**
- **Big company**

Dissemination

Technology keywords

- **10003004 - Recycling, Recovery**
- **08002002 - Food Microbiology / Toxicology / Quality Control**
- **02005004 - Packaging for materials**
- **02007020 - Biobased materials**
- **08001003 - Food Packaging / Handling**

Market keywords

- **05008002 - Food and feed ingredients**
- **07003003 - Soft drinks and bottling plants**
- **09004001 - Business products and supplies**

Targeted countries

Sector groups involved

- **Agrofood**

Media

Images

Coffee
0

BLCK_Fairtrade_1-min.jpg
2

Tea
0

Coffee machine
0

IT company is seeking manufacturers of high-quality batteries and powerbanks

Summary

Profile type
Technology request

Company's country
Croatia

POD reference
TRHR20220509016

Profile status
PUBLISHED

Type of partnership
Research and development cooperation agreement

Targeted countries

Contact Person
Tina Pahić

Term of validity
9/5/2022
9/5/2023

Last update
05/09/2022

General Information

Short summary

The Croatian-based company was founded in 2007. The primary focus is on IT solutions (In house solutions and Custom made solutions). In the process of implementing IoT solutions in business models as well. In IT sector they have made a huge impact in the Croatia market-creating over 200 satisfied customers while keeping constant growth over last 15 years. They have 26 employees, spreading from developers, technical support, sales, marketing, engineering, etc.

Full description

The Croatian-based company was founded in 2007. The primary focus is on IT solutions (In house solutions and Custom made solutions). In the process of implementing IoT solutions in business models as well. In IT sector they have made a huge impact in the Croatia market-creating over 200 satisfied customers while keeping constant growth over the last 15 years. They have 26 employees, spreading from developers, technical support, sales, marketing, engineering, etc. The company made a lot of international partners over the years and we have exhibited at expos in Berlin, London, Las Vegas, etc. The quality of the company has been recognized by the European Union institutions that support our projects.

Advantages and innovations

Stage of development

Concept stage

Sustainable Development goals

• Goal 12: Responsible Consumption and Production

IPR Status

Secret know-how

Partner Sought

Expected role of the partner

The partner should be able to produce custom-made power-banks that have more capacity, but have less weight and are smaller in dimensions.

Type of partnership

Research and development cooperation agreement

Type and size of the partner

• University

• Big company

• SME <=10

• SME 50 - 249

• SME 11-49

• R&D Institution

Dissemination

Technology keywords

• 04001004 - Transmission of electricity

Market keywords

• 03001009 - Other electronics related (including keyboards)

Targeted countries

Sector groups involved

Fast food cooperation seeks a partner for the manufacturing of a plastic free sauce packaging

Summary

Profile type	Company's country	POD reference
Technology request	**Netherlands**	**TRNL20220512019**
Profile status	**Type of partnership**	**Targeted countries**
PUBLISHED	**Commercial agreement with technical assistance**	
Contact Person	**Term of validity**	**Last update**
Bryan Raghoe	**12/5/2022** **12/5/2023**	**05/12/2022**

General Information

Short summary

International fast food company seeks a sustainable packaging material that is biodegradable for their wide range of sauces (e.g. Ketchup, Mayonnaise, Sweet Chili). The company seeks for (development) partners that have expertise with innovative food grade packaging. Potential solutions needs to be scalable. They offer a commercial agreement with technical assistance for potential partners.

Full description

The company operates as an international fast food chain and has only over more than 250 restaurants in the Netherlands. As part of their portfolio they offer a wide range of sauces (e.g. Ketchup, Mayonnaise, Sweet Chili) in different cups and sachets.

In their effort to switch their packaging to paper materials and recycle as much as possible, they seek a sustainable solution for their cups and sachets. Their present cups and sachets are currently in scope for the single-use plastics (pre-packed food). The company would like to use a sustainable alternative for these plastics cups since plastic does not biodegrade.

The company wants to offer their sauces in a convenient (user friendly) and sustainable (no-plastics / aluminium) manner without compromising shelf-life and operations in a way that makes business sense (price point). The company is in need for a sustainable packaging material that is biodegradable. Potential packaging material (solutions) should contribute to achieving the following goals:

- Meet all food safety requirements
- Improved environmental impact
- Good user experience/acceptance
- Ideally can be made of a byproduct of the company (e.g. coffee grounds)

The company offers a commercial agreement with technical assistance for potential partners that can manufacture or supply sustainable/biodegradable packaging material for their sauces.

Advantages and innovations

IMPORTANT NOTE:
This technology request is part of a Dutch innovation challenge of an Enterprise Europe Network (EEN) Stakeholder. The innovation challenge is published on an open innovation platform till 8-7-2022. If an organization does express interest in collaboration with this company before closing date, it will be guided through this open innovation platform and will be introduced to its moderator (EEN Stakeholder) and the company's experts. Mind that posts on this platform are not confidential.

Next step is that the company will select the SMEs with whom they would like to cooperate in the development of the solution.

Stage of development

Sustainable Development goals

- **Goal 10: Reduced Inequality**
- **Goal 2: Zero Hunger**
- **Goal 6: Clean Water and Sanitation**

IPR Status

No IPR applied

Partner Sought

Expected role of the partner

Potential partners have a creative mindset with a sustainable and efficient production process and can offer:

- Packaging expertise
- Environmental modelling (LCA of MVP compared to current);
- System-thinking approach;
- Creative thinking;

The company seeks for (development) partners that have expertise with innovative food grade packaging. Potential solutions needs to be scalable. They have a large supplier network so their current supplier base can be leveraged here as well in case needed/preferred.

Type of partnership

Type and size of the partner

Commercial agreement with technical assistance

- **R&D Institution**
- **Big company**
- **SME 50 - 249**

Dissemination

Technology keywords

- **02005004 - Packaging for materials**

Market keywords

- **07005001 - Fast food restaurants**

Targeted countries

Sector groups involved

FOCUS Solar PV Modules Alloy Steel Frame

Summary

Profile type	Company's country	POD reference
Technology request	**Italy**	**TRIT20220524015**
Profile status	**Type of partnership**	**Targeted countries**
PUBLISHED	**Research and development cooperation agreement**	**• World**
Contact Person	**Term of validity**	**Last update**
Francesco Cappello	**24/05/2022** **24/05/2023**	**31/05/2022**

General Information

Short summary

Italian company search technology in the fields of Solar PV Modules Alloy Steel Frame. Difference between Alloy Steel and Aluminum frame in order to achieve the carbon peak & carbon neutralization target and to reduce the total cost of solar system. The company is looking for partner to sign technology transfer agreements.

Full description

The technology request have to achieve the carbon peak & carbon neutralization target, compared with the electrolytic aluminum industry, the energy consumption of steel material has decreased by 3 times and the carbon emission has decreased by 6.2 times. To reduce the total cost of solar system: the international aluminum price increased by over 70% to peak recently.
The possible Issues are:
1) HigherWeight: for Titan series module with steel frame no more than 2Kg than that of the aluminum framed module 3E test passed for the packaging and transportation assessment. In terms of system installation: no need to readjust the bracket design and no increasing in the cost. 2) Corrosion Resistance: test passed thanks to a dense ternary eutectic structure composed of Zn, Al and Zn2Mg that forms a dense barrier on the surface of the steel plate, preventing the penetration of corrosion factors.

Advantages and innovations

The actual Bill Of Materials of the company PV module provide the use of aluminum standard frame, anyway equipment could be readapted with no big problems(if the dimensional specification are the same)
--Thermal expansion steel is close to glass lower the risk of glass broken when module worked under extremely environment of temperature change
--Higher tear resistance adaptability in extreme weather

Stage of development

Available for demonstration

Sustainable Development goals

- **Goal 7: Affordable and Clean Energy**
- **Goal 11: Sustainable Cities and Communities**

IPR Status

No IPR applied

Partner Sought

Expected role of the partner

Identification of partners for each potential technology able to validate the solutions identified (Proof of Concept) and to work in the process of transfer of technology to production line

Type of partnership

Research and development cooperation agreement

Type and size of the partner

- **SME 11-49**
- **University**
- **SME 50 - 249**
- **R&D Institution**
- **Big company**

Dissemination

Technology keywords

- **04002013 - Smart grids**
- **04005005 - Solar/Thermal energy**
- **04005004 - Photovoltaics**

Market keywords

- **08001007 - Coatings and adhesives manufactures**
- **08001018 - Polymer (plastics) materials**
- **08001004 - Fibre-reinforced (plastic) composites**
- **08001001 - Plastic fabricators**

Targeted countries

- **World**

Sector groups involved

- **Materials**
- **Nano- and Microtechnologies**

Media

Images

Schermata 2022-05-31 alle 16.05.42.png
0

PDF documents

Schermata 2022-05-31 alle 16.05.50.pdf
0

Technology for using mineral wastes as raw materials for additive manufacturing of cement and concrete

Summary

Profile type	Company's country	POD reference
Technology request	**Spain**	**TRES20220531012**
Profile status	**Type of partnership**	**Targeted countries**
PUBLISHED	**Research and development cooperation agreement**	**• World**
Contact Person	**Term of validity**	**Last update**
Victoria DÍAZ	**31/05/2022** **31/05/2023**	**31/05/2022**

General Information

Short summary

A Spanish Technological Center leader in the development and implementation of new technologies for the non-energy mining sector is looking for EU organizations with expertise in the application of imaging spectroscopy techniques for the location and evaluation of abandoned mine sites in order to map mineral potential for recycling purposes for mapping the spatial distribution of mineral compositions in order to reach a research cooperation agreement.

Full description

The Technological Center is looking for organizations with expertise in the application of imaging spectroscopy techniques for the location and evaluation of abandoned mine sites in order to map mineral potential for recycling purposes using, the potential of imaging spectrometry as an environmentally sustainable technology for mapping the spatial distribution of mineral compositions including metallic minerals, construction minerals and industrial minerals.

The main objective of this technical collaboration is to reach a collaboration agreement for the development of a new circular economy technology for the aggregates and natural stone wastes as raw materials for additive manufacturing of cement and concrete. The development will undergo: 1) Preliminary studies and scheduling of trials; 2) Granulometric adaptation and sample preparation; 3) Dosage tests and fresh characterization; 4) Extrusion and applicability tests.

The workability and setting of 10-liter kneading will be studied and tests on fresh material and 3D printing tests will be

carried out. Final applications of the sludges waste for additive manufacturing of building elements will be developed through: a) tests on hardened material, b) tests on 3D printed material and c) characterization and applications.

The area of expertise covers use of marble wastes for different applications, such as the ceramic industry or as amendments for the rehabilitation of soils contaminated by heavy metals. The Center has a rich database, a strong infrastructure, and competent human resources as well as a broad experience participating in EU financed programmers.

Advantages and innovations

Stage of development

Under development

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

Secret know-how

Partner Sought

Expected role of the partner

The Center is looking for EU scientific-technical organizations (companies, Universities, start-ups, Technological Centers) with expertise in the industrial applications of additive manufacturing, in order to reach a Research Cooperation Agreement

Type of partnership

Research and development cooperation agreement

Type and size of the partner

- **Big company**
- **SME <=10**
- **SME 50 - 249**
- **University**
- **SME 11-49**
- **R&D Institution**

Dissemination

Technology keywords

- **002006001 - Building Materials, Components and Methods**
- **02007017 - Stone**
- **10003007 - Waste to Energy /Resource**
- **01002001 - Micro and Nanotechnology related to Electronics and Microelectronics**
- **002006003 - Construction Equipment**

Market keywords

- **08003003 - Mining machinery**
- **08004004 - Other pollution and recycling related**
- **009007002 - Manufacture of building materials**
- **09006 - Mining (non-energy related)**

Targeted countries

- **World**

Sector groups involved

Experts in Artificial vision to be implemented in the crushing stage of an aggregates company to minimize energy requirements

Summary

Profile type	Company's country	POD reference
Technology request	**Spain**	**TRES20220531015**
Profile status	**Type of partnership**	**Targeted countries**
PUBLISHED	**Research and development cooperation agreement**	
Contact Person	**Term of validity**	**Last update**
Victoria DÍAZ	**31/05/2022** **31/05/2023**	**31/05/2022**

General Information

Short summary

A Spanish Technological Center is looking for organizations with expertise in artificial vision to be implemented in the crushing stage of an aggregates company to minimize energy requirements. The aim is to have an automatic tool which can detect granulometry and be able to define which elements should (product) or should not (waste) access to crushing equipment's. This is a cycle process and depends on final expected granulometry. The Center wants to reach a research cooperation agreement.

Full description

The main objective of this proposal is to develop an artificial vision system (AVS) that will be implemented in the crushing stage, which main objective will be to avoid equipment's failures due to rock size and to minimize energy requirements. The aim is to have an automatic tool which can detect granulometry and be able to define which elements should (product) or should not (waste) access to crushing equipment's. This is a cycle process and depends on final expected granulometry.

The impact of this artificial vision system is huge concerning low energy consumption goals because it is mainly concern in the equipment which major energy demands has. Energy consumption will be monetarized and controlled, as well as quantified.

The results obtained will be validated throughout a procedure and determinate its effectiveness towards to a correct equipment operating condition and therefore to certify its energy efficiency process, during and afterwards.

Their area of expertise covers geophysics methods (GPR Ground Penetrating Radar, ERT Electric High Resolution Tomography, Reflection and Refraction Seismic Data, Seismic tomography and MASW), including remote source methods based on the tele detection (hyperspectral analysis) by means of UAV in exploration programs, integration of geological and geophysical data with resource calculation and mine planning software (DATAMINE), mineral resource and ore reserve estimation, grade calculations and 3D models. They has a rich database, a strong infrastructure and competent human resources as well as a broad experience participating in EU financed programs.

Advantages and innovations

Stage of development

Under development

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

IPR granted

Partner Sought

Expected role of the partner

They are looking for EU scientific-technical organizations (companies, Universities, start-ups, Technological Centers) with expertise in the industrial applications of artificial vision systems.

Type of partnership

Research and development cooperation agreement

Type and size of the partner

- **R&D Institution**
- **Big company**
- **SME <=10**
- **University**
- **SME 50 - 249**
- **SME 11-49**

Dissemination

Technology keywords

- **01003012 - Imaging, Image Processing, Pattern Recognition**
- **03008 - Mining Technologies**
- **01003016 - Simulation**
- **004006001 - Energy management**
- **001001004 - Electronic engineering**

Market keywords

- **08002005 - Machine vision software and systems**
- **08002001 - Energy management**
- **09006 - Mining (non-energy related)**

Targeted countries

Sector groups involved

Generation of renewable energy on building, head office of dutch corporate bank

Summary

Profile type	Company's country	POD reference
Technology request	**Netherlands**	**TRNL20220601014**
Profile status	**Type of partnership**	**Targeted countries**
PUBLISHED	**Research and development cooperation agreement** **Commercial agreement with technical assistance**	**• World**
Contact Person	**Term of validity**	**Last update**
Ruben van der Horst	**1/6/2022** **1/6/2023**	**06/01/2022**

General Information

Short summary

A corporate dutch company is committed to increase its share of self-generated renewable energy in an (inventive) way to be implemented in its head office in Utrecht.
The goal is to produce renewable energy in/with the head office, in stead of consuming energy.
For this challenge, the company is looking for suitable (innovative) solutions that can be integrated in their head office towers.

Full description

A dutch company in the financial sector wants to supports positive changes and is committed to a more sustainable and inclusive society. Together with clients and members, with services, knowledge and ecosystems they work towards a better world for next generations.
To achieve this ambition, one of their challenges is to to increase its share of self-generated renewable energy in an (inventive) way to be implemented in its head office in Utrecht.
The goal is to produce renewable energy in stead of consuming energy.
For this challenge, the company is looking for suitable (innovative) solutions that can be integrated in their head office towers.

Why is this a challenge?
There are two types of renewable energy generators that are applied the most on offices, namely traditional solar panels and small wind turbines. At this moment the company does not have solar panels on the rooftop of the lower

head office buildings because the two office towers drop to much shadow on them. The company does not apply wind turbines either because they have a very low energy yield. Solar power by kite doesn't seem possible because of the high towers. The company really wants to produce renewable energy, but still has not found a suitable solution that can be integrated in its head office in the center of the Netherlands

Where do you fit in?
The company has high ambitions when it comes to sustainability, including renewable energy. Based on this ambition, the company wants to generate more renewable energy at its head office. That is what this challenge is all about: how can this company (in collaboration with market parties) generate as much energy as possible at this location. Although solar panels are not totally excluded, the company is rather searching for an innovative, more distinguished solution. Off course this solution has to meet their our safety and insurance requirements as well as be compliant to dutch regulations

Advantages and innovations

IMPORTANT NOTE: This technology request is part of an innovation challenge and is published on an open innovation platform from the 7th of June and will close on the 17th of July. If an organization does express interest in collaboration with this company before closing date, it will be guided through this open innovation platform and will be introduced to its moderator and the company's experts. Mind that posts on this platform are not confidential.

Stage of development

Under development

Sustainable Development goals

- **Goal 13: Climate Action**
- **Goal 11: Sustainable Cities and Communities**
- **Goal 17: Partnerships to achieve the Goal**
- **Goal 7: Affordable and Clean Energy**
- **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

Secret know-how

Partner Sought

Expected role of the partner

Type of partner:
SME with experience in innovative renewable energy solutions / concepts for buildings.

Which disciplines does the company need?
- Creative thinking
- Renewable energy technology
- Installation and construction technology to integrate renewable energy

Role of the partner:

What's in it for you?
- An assignment to develop a suitable solution
- Budget for a feasibility and/or demonstration project

- Support and test environment available
- Probability of a follow-up order for other offices
- Very good marketing, because it is the head office of a famous dutch company

Type of partnership

Research and development cooperation agreement

Commercial agreement with technical assistance

Type and size of the partner

- **SME <=10**
- **R&D Institution**
- **SME 50 - 249**
- **SME 11-49**

Dissemination

Technology keywords

- **04005005 - Solar/Thermal energy**
- **04005001 - Geothermal energy**
- **004005008 - Unconventional and Alternative Energies**
- **04005008 - Wind energy**
- **04005012 - Waste to energy - other**

Market keywords

- **06003003 - Wind energy**
- **006005001 - Solar energy**
- **006005006 - Co-generation**
- **06003008 - Other alternative energy**
- **06003005 - Geothermal energy**

Targeted countries

- **World**

Sector groups involved

- **Sustainable Construction**
- **Intelligent Energy**

A Dutch healthcare organisation is looking for technologies and solutions to make elderly wheelchair users totally independent in their toilet visit.

Summary

Profile type
Technology request

Company's country
Netherlands

POD reference
TRNL20220601016

Profile status
PUBLISHED

Type of partnership
Research and development cooperation agreement

Commercial agreement with technical assistance

Targeted countries

Contact Person
Tjwan Tan

Term of validity
1/6/2022

1/6/2023

Last update
06/07/2022

General Information

Short summary

A Dutch healthcare organisation is looking for new ideas, solutions, and technologies to make elderly wheelchair users totally independent in their toilet visit. Within the care there is a growing urgency and necessity for this type of innovation. Companies, academics, or inventors are sought via a research cooperation agreement. This request is part of an innovation challenge.

Full description

A Dutch healthcare organisation is committed to mainly elderly. The company offers them opportunities to get the best out of their day in their own way. They do this with a wide range of services, ranging from convenience and comfort to intensive care, both in the form of home care and in our well-maintained residential facilities. Their vision is: grow older, stay yourself!

Within the care there is a growing urgency and necessity for innovation regarding a good hygienic independent toilet visit without a caregiver.
It is for this reason that the organisation is looking for new technologies and ideas to make elderly wheelchair users totally independent in their toilet visit. Automated bidet toilets help them to have good hygienic independent toilet visits without a caregiver.

Companies, academics, or inventors are sought via a research agreement or a license agreement. When fits the purpose also other agreements can be envisioned.

IMPORTANT NOTE: This technology request is part of an innovation challenge and is published on an open innovation platform from the 6th of June and will close on the 11th of July. If an organization does express interest in collaboration with this company before closing date, it will be guided through this open innovation platform and be introduced to the company's experts. Mind that posts on this platform are not confidential.
Next step is that the company will select the SMEs with whom they would like to cooperate in the development of the solution.

Advantages and innovations

Within the care there is a growing urgency and necessity for innovation regarding a good hygienic independent toilet visit without a caregiver. For instance, how would you feel if you are not able to go to the toilet when you need to go?

The dependency on caregivers for a transfer to the toilet is one of the main reasons for patients to move from a home care situation to hospitalisation. In a situation where there is not enough healthcare staff available to do the work, it would be valuable to create more independence by caretakers. This relieves workload for caregivers.
More and more the organisation is facing the situation of shortages in healthcare staff in their nursing homes.
At the same time caretakers are more aware of their privacy during toilet transfers.

Stage of development

Available for demonstration

Sustainable Development goals

- **Goal 6: Clean Water and Sanitation**
- **Goal 3: Good Health and Well-being**

IPR Status

No IPR applied

Partner Sought

Expected role of the partner

The organization is looking for technical partners, designers, SMEs, inventors, and academia for the (co-) development of a solution and/or technology to make elderly wheelchair users totally independent in their toilet visit.

The envisioned role of the partner:
- creative thinking with technical view on the challenge
- product designing
- innovative medical-care technology

The request comprises a further offer regarding:
- A collaboration to realize a prototype or pilot
- Support and test environment with the end-user
- Probability of a follow-up order, scaling up or lasting cooperation
- Interesting network of cooperation partners, which can also be used to spread your concept further if it is demonstrably effective.
- Further commercialization of the result

Furthermore, the organization has well educated physiotherapists specialisation in geriatrics, with more than 25 years of experience in elderly care. They have experience in participating in co-creation of healthcare tools and have developed their own products before.
By their work as physiotherapists daily, they work with possible end users. Based on their experiences, they are

convinced that developing healthcare tools needs to be done with end users.

Type of partnership

Research and development cooperation agreement

Commercial agreement with technical assistance

Type and size of the partner

- **University**
- **SME <=10**
- **R&D Institution**
- **SME 11-49**
- **SME 50 - 249**
- **Other**

Dissemination

Technology keywords

- **02001 - Design and Modelling / Prototypes**

Market keywords

- **05007003 - Handicap aids**
- **05007007 - Other medical/health related (not elsewhere classified)**

Targeted countries

Sector groups involved

- **Healthcare**
- **Bio Chem Tech**

Spanish agricultural company is looking for new techniques for agricultural, ecological, self-made products through a technical cooperation or financial agreement

Summary

Profile type
Technology request

Company's country
Spain

POD reference
TRES20220613002

Profile status
PUBLISHED

Type of partnership
Commercial agreement with technical assistance

Investment agreement

Targeted countries

Contact Person
Elena Cortes Ventura

Term of validity
13/06/2022

13/06/2023

Last update
13/06/2022

General Information

Short summary

This agricultural company is located in Valencia (Spain). It has more than ten years of experience in the agriculture sector. They grow fresh and seasonal fruits and vegetables based on modern, advanced and sustainable agriculture. One of the advantages offered by the project is to strengthen the farmer-consumer relationship, so that the acquisition of products is made directly. They are searching for new crop-growing techniques to expand through a technical cooperation or a financial agreement.

Full description

The company is dedicated to the production of fruits and vegetables in the Huerta Valenciana region (Spain). It was born in 2012 from three farmers with experience in the sector.

It has a cultivating area of 30 acres, 5 of which are citrus crops, 1 acre of fruit trees, 1 acre of aromatic herbs, 22 acres of outdoor vegetables and 1 acre of greenhouse vegetables.

The company produces 70 products including: 5 citrus fruits, 5 fruit trees, 10 aromatic herbs and 50 vegetables. It should be noted that all horticultural production is seasonal, giving priority to the cultivation of local varieties of commercial interest.

The company sells with a different brand name. Its offer consists of 200 references, 90% of which are its own production and 10% are produced by farmers from other regions of the Valencian Community. They add this third-party production to their offer because it is not possible to grow all the seasonal products that can be found on the market.

In the development of this work, an annual average of 30 people take part. 15 of them take part in the field cultivating and collecting, 10 in the warehouse preparing and marketing, 5 in administration, billing and certifying all processes.

The company has an organization system based on machinery and specialized personnel in order to provide quality and speed in cultivation and distribution.

Their objective is to commercialize the whole production through short channels, local proximity market, trying to bring the product closer to the final consumer, preserving its values, which are clearly agro-ecological, in accordance with the sustainability expectations demanded by today's society.

The company aims at implementing and developing new ecological production techniques, as well as at acquiring the infrastructure needed to expand their facilities dedicated to visits of third parties interested in the project.

Their intention is, on the one hand, to obtain financing to be able to invest in the spaces destined to show the cultivation techniques and the form of commercialization. And, on the other hand, optimize the resources to continue with their activity, make them known in the sector, learn about new production techniques to be used and implement them.

The partner sought must have know-how of new techniques in agricultural development, irrigation systems or specialized machinery.

This technology cooperation or financial agreement is required in order to grow in the sector and to be able to reach most of the nearby commerce. The company believes that international agriculture can bring a different approach to their project. The desired outcome is that the company and partner(s) benefit from sharing their techniques, know-how and machinery to expand in their respective countries´markets.

Advantages and innovations

Stage of development

Already on the market

Sustainable Development goals

- **Goal 2: Zero Hunger**

IPR Status

Secret know-how

Partner Sought

Expected role of the partner

The business profile (in size and turnover) of the partner sought must be similar to that of the profile owner.

The company wants to find a technological cooperation or a financial agreement with partners dedicated to the

agriculture sector, or even technology, and collaborating with them in the exchange of production techniques and the development of traditional agriculture and marketing throughout the Valencia area (Spain). More specifically, techniques to access the consumer and ways that allow them to access the physical environment.

Moreover, the company is also looking for a partner who wants to collaborate economically in the project concerning the implementation of areas for the visualization and exposition of the work method and the final product.

Nationality does not matter, but experience in the field of agriculture is a must. It does not need to be the main field of work, but technical and practical knowledge are required. It can be then a university or agricultural research center.

The company must be open to collaborate through a technical cooperation or a financial agreement.

Type of partnership

Commercial agreement with technical assistance

Investment agreement

Type and size of the partner

- **University**
- **SME 50 - 249**
- **SME <=10**
- **SME 11-49**
- **R&D Institution**

Dissemination

Technology keywords

- **07001001 - Agriculture Machinery / Technology**
- **08001004 - Food Processing**
- **07001005 - Horticulture**
- **07001004 - Crop Production**
- **08001005 - Food Technology**

Market keywords

- **09005 - Agriculture, Forestry, Fishing, Animal Husbandry & Related Products**
- **007003005 - General food products**
- **07004006 - Garden and horticultural products**

Targeted countries

Sector groups involved

- **Agrofood**

A Dutch government agency and part of a consortium launched a market consultation for a solution to the rapid detection and identification of drugs in prisons.

Summary

Profile type
Technology request

Company's country
Netherlands

POD reference
TRNL20220615022

Profile status
PUBLISHED

Type of partnership
Commercial agreement with technical assistance

Targeted countries
• World

Contact Person
Tjwan Tan

Term of validity
15/06/2022
15/06/2023

Last update
15/06/2022

General Information

Short summary

A Dutch government agency and part of a consortium of 4 governmental agencies that control all prisons in the Netherlands, Greece, Belgium and Spain, is looking for providers of innovative solutions for the detection of drugs. To find the right technology they have, together with an international consortium, launched a market consultation. After the consultation a procurement procedure will be conducted to select companies that will sign a commercial agreement. A test phase is foreseen.

Full description

A consortium of 4 public buyers from Greece, the Netherlands, Belgium, and Spain with together an average inmate's population of 40.000, has launched on the 10th of June an Open Market Consultation in order to find out which innovative solutions for detection of drugs in prisons are available on the market.

The consortium aims to procure an innovative solution for the automatic detection and identification of a large range of drugs and traces of drugs in correctional institutions and prisons, that is available 24/7, does not cause delays in internal processes, requires minimal human intervention, and is GDPR compliant. The available budget for this innovation procurement is 3.880 .000 euro.

This request is addressing a need that is widely shared by prisons throughout Europe. During the market

consultation, representatives of the Dutch Border Laboratory will also be present as external advisers to the consortium and interested party.

Any interested provider of a suitable solution is invited to participate in a market consultation. Upon reaction to this technology request, interested companies will receive further information, including registration details and an overview of the procurement procedure, to submit their input.
After a successful test phase, a commercial agreement with technical assistance is envisaged.

Advantages and innovations

In order to define their needs, the consortium prepared 10 use-cases (UC) for the detection of drugs:
- UC-1 On the body inmate
- UC-2 On the body visitor
- UC-3 On the body staff
- UC-4 Letter inmates
- UC-5 Packages inmates
- UC-6 Packages suppliers
- UC-7 Luggage visitor
- UC-8 Luggage staff
- UC-9 Inside the body inmate
- UC-10 Room inside the prison

These use-cases explain how the 4 buyers desire to conduct the detection of drugs within the prisons in the future. The use-cases cover the main situations in which the buyers are planning to apply the detection solution(s). All use-cases are in principle relevant for the 4 Buyers. They are presented in random order, as the importance of the use-cases may differ per Buyer.
Based on the input received during the open market consultation, the buyers will decide to purchase one or more devices that can address most or all the use-cases and that present a positive business-case (namely, can be deployed in as many prisons as possible within the available budget).

Stage of development

Available for demonstration

Sustainable Development goals

• Goal 3: Good Health and Well-being

IPR Status

No IPR applied

Partner Sought

Expected role of the partner

Type of partner: SMEs or big companies (the provider) are sought.

Role of the partner/provider:
Any interested provider of a suitable solution is invited to participate in a market consultation.
The market consultation starts on the 10th of June and consists of:
• A workshop on the 7th on July at Sheraton Hotel at Brussels Airport to hear more details about the project and meet other organisations that offer or develop innovative solutions for drug detection. In case of an EOI registration information will be supplied.
• A request to reply to a questionnaire regarding your organisation and the solution that you are offering for detection of drugs (link will be made available upon registration to the workshop above).
• 4 days of one-on-one meetings with the consortium between 12-15th of July, to engage in a dialogue with the Buyers regarding the most suitable innovative solution and clarify your answers to the questionnaire.

Note: Personal data will be treated as strictly confidential according to the Data Protection Directive (Directive 95/46/EC of the European Parliament and of the Council) and the General Data Protection Regulation (Regulation 2016/679 of the European Parliament and of the Council).

Type of partnership

Commercial agreement with technical assistance

Type and size of the partner

- **Big company**
- **SME 50 - 249**
- **SME 11-49**
- **SME <=10**

Dissemination

Technology keywords

- **09003 - Electronic measurement systems**
- **06004 - Micro- and Nanotechnology related to Biological sciences**
- **03004002 - Inorganic Substances**
- **06002010 - Toxicology**
- **03004006 - Organic Substances**

Market keywords

- **005001008 - Diagnostic test products and equipment**
- **05001007 - Other diagnostic**
- **05001002 - In-vitro diagnostics**

Targeted countries

- **World**

Sector groups involved

- **Agrofood**
- **Materials**
- **Environment**
- **Healthcare**
- **Creative Industries**
- **Aeronautics, Space and Dual-Use Technologies**
- **Nano- and Microtechnologies**
- **Bio Chem Tech**