Profile Status: Published

Technology Offer

Technology platform using powerful micro-scale biometric wearable hardware.

Summary

A Dutch SME is offering a technology platform using powerful and very compact micro-scale biometric wearable hardware. Processing power of the platform is quite extensive allowing vast on-board data processing. Using Cloud-based data connectivity, numerous (web)applications can be designed by continuous deployment. Commercial agreement with technical assistance, manufacturing agreement, research cooperation agreement or technical cooperation agreement are envisioned.

Creation Date	09 January 2019
Last Update	15 January 2019
Expiration Date	16 January 2020
Reference	TONL20190103001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/880a0801-816d-4e48-b7c1-0123fdee52a4

Details

Description

The Dutch SME builds wire-free data solutions, wearables and applications.
With their lean, rapid development approach they realise signal- and data capturing solutions that suit best to the needs of the customer. The products and technologies can be tailored to branded user applications anywhere from ‘thing-to-cloud’.
Their mission is to provide wearable sensing technology and white-label products to previously untapped sports, leisure, work and (health)care segments.
The internet-of-things triggers the need and creation of ‘new things’ that can generate a leap in the quality of life and living environment. The SME’s mission is therefore also to bring to market affordable wirefree sensor and interaction systems for air quality, energy use and (indoor) location based services.

Application areas:
• Sports biometrics, health and virtual reality/augmented reality: wearable motion, tension (force), position, heart rate, temperature and audio feedback solutions
• Living & environment: interactive LED, local positioning, outdoor air quality sensoring
• Industry & transport: electronic work assistants, identification, location, motion, force

A leading product development of the company is a so called "buddy”. This is a technology platform based on a very compact all-in-one biometric wearable. It is primarily designed as a biometric hearable (smart hearing aid) so very compact, however the internal electronics can

also be fitted in other wearables. In its full functionality it can sense full 9D motion and posture, a full range of cardio-metrics as well as body temperature. It has both Bluetooth and Wi-Fi connectivity and it can store 4Gb of data. It is fitted with an 80mAh rechargeable battery and is fitted with dual speaker and microphone as well as an audio codec.

The company is looking for partners that need one or more of the described sensor-, wearable or Internet of Things technologies in their research programs, product development programs or (as part of) a final product.

The company expects partners who are able to integrate the platform technologies into their application or (final) product. The Dutch SME can support in realizing this integration. Dependent on the business case and subsequent market upside, they can either support such integrations at commercial rates, with consortium subsidy or free-of-charge.

Cooperation with partners would be in the frame of either a commercial agreement with technical assistance, manufacturing agreement, research cooperation agreement or a technical cooperation agreement.

Advantages and Innovations

This is a technology platform based on a very compact all-in-one biometric wearable.

Because of its modular setup, most of the hardware platform can also be used in other wearability locations, such as wrist, foot, chest as well as animals.

It can sense full 9D motion and posture, a full range of cardio-metrics as well as body temperature.

It has both Bluetooth and Wi-Fi connectivity and it can store 4Gb of data.
It is fitted with an 80mAh rechargeable battery and is fitted with dual speaker and microphone as well as an audio codec.

It is currently running in test programs for various sports- and care applications.

Stage of Development

Prototype available for demonstration

IPR Status

Secret Know-how,Patent(s) applied for but not yet granted

Profile Origin

Other

Keywords

Technology

001001017	Environmental and Biometrics Sensors, Actuators
01006003	Mobile Communications

Market

01006002	Mobile communications, pagers and cellular radio

05003001	Therapeutic services
05010001	Safety for the elderly
07001004	Sporting goods, hobby equipment and athletics clothes

NACE

C.26.1.1	Manufacture of electronic components

Network Contact

Issuing Partner

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Open for EOI : Yes

Dissemination

Relevant Sector Groups

Automotive, Transport and Logistics
Creative Industries
Healthcare
ICT Industry and Services
Intelligent Energy
Nano- and Microtechnologies
Retail
Textile and Fashion

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2006

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Estonian
Dutch
German

Client Country

Netherlands

Partner Sought

Type and Role of Partner Sought

The company is looking for partners that need one or more of the described sensor-, wearable or Internet of Things technologies in their research programs, product development programs or (as part of) a final product.

Partners are expected to be able to integrate the platform technologies into their application or (final) product.

Type and Size of Partner Sought

University,R&D Institution,>500 MNE,SME 51-250

Type of Partnership Considered

Manufacturing agreement
Commercial agreement with technical assistance
Technical cooperation agreement
Research cooperation agreement

Profile Status: Published

Technology Offer

Romanian start-up is offering a comprehensive solution for personalized services in the hotel industry

Summary

The Romanian-based IT startup has developed a mobile platform dedicated to offering personalized hotel services and offers for guests worldwide. The startup is looking for partners interested in implementing a personalized guest request management solution via commercial agreement with technical assistance or services agreement.

Creation Date	31 December 2018
Last Update	09 January 2019
Expiration Date	10 January 2020
Reference	TORO20181231001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/034e8447-de41-4156-988f-dee453b02911

Details

Description

The company is a start-up with a young team from Cluj-Napoca, Romania, which since 2017, has been engaged in reshaping the hospitality industry by combining latest technology and advanced AI algorithms with efficient management processes. The provided technology is a virtual hotel assistant which helps upcoming guests directly from their mobile phone or from within their hotel room by learning about their wishes, preferences and special requests, while providing easy access to personalized hotel services and events.

Through the developed solution the startup seeks to help the hotel industry meet the changing needs and demands of customers and the market, as well as needs of the staff. The platform allows hotels to offer personalized services and manage them through a mobile solution.
For the client: a truly personalized experience by offering suggestions and services tailored to their preferences (information about the room, menu, temperature, light, special requests etc.).
For the hotel staff: providing them with an efficient and easy solution for faster and personal communication with the guests and easier solving of daily tasks.
For managers: real-time monitoring of each employee's activity, a measure of their effectiveness and a detailed reporting of hotel activity in general.

The start-up is looking to expand the technology to other European companies from the tourism and hotel industries through non-exclusive collaborations, while offering support for integration. Partners should be open to commercial agreements with technical assistance.

Advantages and Innovations

- solution is currently being used successfuly by 2 Romanian hotels in the Cluj-Napoca area
- freedom in choosing the services and experiences hotels want to share/offer to their guests.
- eliminates time spent at check-in to define and resolve specific preferences of guests, all this can be done in advance.
- sending of personalized messages and notifications directly to a specific guest before, during and even after their hotel stay.
- The solution retains customer history and ordered their preferences in other hotels in order to formulate suggestions
- Customized guest experience directly from the dashboard
- fully-proved management solution to increase efficiency of staff request handling time by direct application based control and mobile notifications.
- The technology client application is available for a variety of devices and platforms, supports devices using the most popular operating systems: Android and IOS and is free to use by guests of partnering hotels.
- the technology is available for interested companies in a demo trial

Stage of Development

Already on the market

Comments Regarding Stage of Development

The technology is already implemented through collaboration with 2 local partners from the hotel industry.

IPR Status

Trade Marks,Exclusive Rights

Profile Origin

Other

Keywords

Technology

01003003	Artificial Intelligence (AI)
01004002	Applications for Tourism
01004011	Maintenance Management System

Market

07005003	Hotels and resorts

NACE

I.55.1.0	Hotels and similar accommodation
I.55.2.0	Holiday and other short-stay accommodation
I.55.9.0	Other accommodation

Network Contact

Issuing Partner

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Open for EOI : Yes

Dissemination

Relevant Sector Groups

Tourism and Cultural Heritage

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2018

Turnover

<1M

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English

Client Country

Romania

Partner Sought

Type and Role of Partner Sought

The company is looking for partners active within the hotel industry and/or accommodation services which are interested in automating part of their day to day activity and gain an advantage by offering guests personalized hotel services through a technological solution. The Romanian startup is interested in delivering the solution to non-exclusive partners from the hotel industry by establishing collaborations mainly based on a commercial agreement with technical assistance for implementation.

Type and Size of Partner Sought

SME 11-50,SME <10,>500 MNE,SME 51-250,>500

Type of Partnership Considered

Services agreement
Commercial agreement with technical assistance

Profile Status: Published

Technology Offer

Intelligent Lighting Control System based on LED technology

Summary

An engineering research group from a Spanish university proposes an intelligent control system of the activity of street lighting luminaires based on LED technology. This system is intended to start / stop / mitigate conveniently the lights located primarily on highways. The research group is looking for manufacturing agreements and commercial agreement with technical assistance.

Creation Date	14 January 2019
Last Update	18 January 2019
Expiration Date	19 January 2020
Reference	TOES20181009003
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/1578c122-83ce-49bf-9da0-5c23fbb47339

Details

Description

The research group has developed an intelligent road lighting control system based on LED technology and a network of presence sensors and communication devices on streetlights.

The system allows on, off or reduces lighting appropriately according to the presence of vehicles or users. The system automatically controls the lighting, calculating the distance and direction of the vehicle or road user, as far as the capacity of the human eye, so the lighting change is not perceived.

The system is based on mesh communication network between nodes (lamps), which do not require a central node so that it is a safe, simple, adaptable and cost system.

The system may be a revolution in LED street lighting systems, especially in tunnels and roads with little traffic, as it saves considerable costs of implementation and maintenance of existing public lighting control systems.

The framework of the project is the intelligent management of infrastructure networks and cities (Smart Cities). Development contributes to future energy saving in public lighting and to reduce light pollution.

The group is looking for companies from the construction, electronics, energy, environmental or ICT sector to reach commercial or collaboration agreements. The group is also interested in finding partners for R&D regional or national calls and European projects.

Advantages and Innovations

With this technology, a significant save of the energy cost of the roads where vehicle traffic is low/medium in a certain time will be achieved. The autonomous intelligent system on / off / lighting control is not implemented in any current system. Also thanks to wireless technology it forms a mesh structure of streetlights that can share information between them and even make a coordinated lighting.

This will achieve significant energy savings and a significant reduction of CO2. There is no control system as this one so far, and thanks to the technology implemented in the luminaire, added-value functions can be implemented.

This technology shows a new alternative and efficient way of saving energy and CO2. This is due to the fact of consuming energy only when is needed and not having the luminaries on unnecessarily. Bridging the gap, the saving can be extrapolated to the escalators that could be in low power mode when there are no people.

Stage of Development

Under development/lab tested

IPR Status

Patents granted

Profile Origin

Private (in-house) research

Keywords

Technology

01003003	Artificial Intelligence (AI)
04007002	Lighting, illumination
04007006	Low, zero and plus energy rating

Market

06003008	Other alternative energy
06011	Energy for Transport

Network Contact

Issuing Partner

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Open for EOI : Yes

Dissemination

Relevant Sector Groups

ICT Industry and Services
Intelligent Energy
Maritime Industry and Services

Client

Type and Size of Organisation Behind the Profile

University

Year Established

1499

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

The group is looking for companies from the construction, electronics, energy, environmental or ICT sector to reach commercial or collaboration agreements. The group is also interested in finding partners for R&D regional or national calls and European projects.

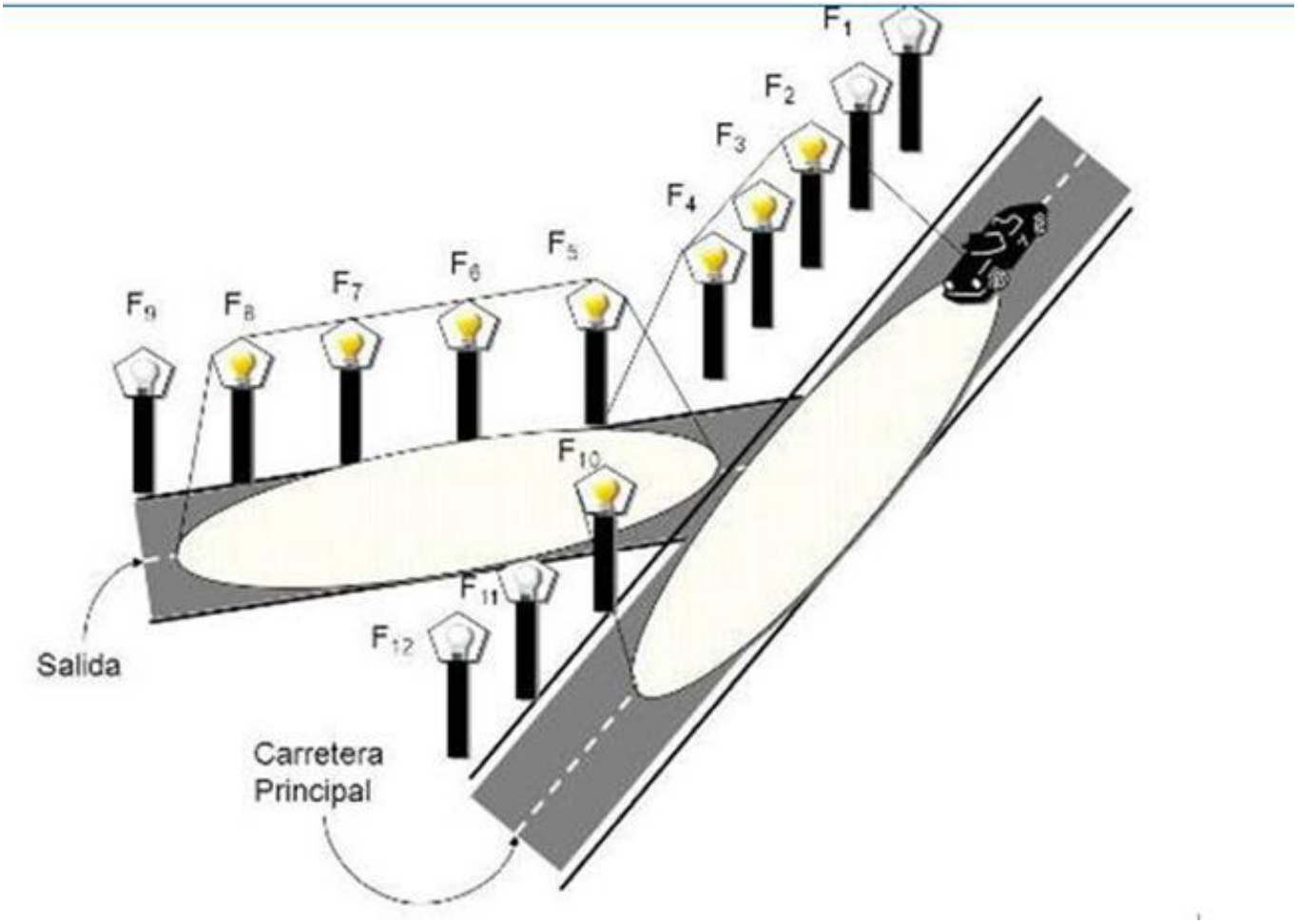
Type and Size of Partner Sought

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

Type of Partnership Considered

Manufacturing agreement
Commercial agreement with technical assistance
Research cooperation agreement

Attachments



Control system of the activity of street lighting luminaires based on LED technology