

Integrated Smart Parking Management System to eliminate the extra-traffic generated by the cars looking for a free parking slot

Summary

Profile type	Company's country	POD reference
Technology offer	Italy	TOIT20230522008
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement with technical assistance Investment agreement	• World
Contact Person	Term of validity	Last update
Rita Elste - Tomsone	22 May 2023 21 May 2024	22 May 2023

General Information

Short summary

An innovative startup developed an Integrated Smart Parking System aiming at solving a major problem affecting the viability of small and large urban centers, search for parking. The system, based on a series of patented sensors and a mobility monitoring IT system, can be integrated into any pre-existing or future mobility infrastructure from a MaaS (Mobility as a Service) perspective. The SME looks for an industrial partner who can support and/or invest, also by supplying the sensor components.

Full description

The innovative startup from North-West of Italy was born with the aim of solving the major problems affecting the viability of small and large urban centers; the cars looking for a free slot in city roads or parking facilities generate an extra traffic with negative impact on the environment.

The SME developed an Integrated Smart Parking System, a hardware & software infrastructure that goes from the installation of a series of patented sensors to a traffic and mobility monitoring IT system. Data accuracy is guaranteed by the Artificial Intelligence Algorithm.

The system is designed to be integrated into any pre-existing or future mobility infrastructure from a MaaS (Mobility as a Service) perspective.

The ultra-thin patented sensors can be positioned on the road surface through a specific adhesive material. Through these devices, the status of parking areas is detected in real time and communicated through the most recent IoT

technologies to the proprietary platform.

The system aims at the development of MaaS (Mobility as a Service), therefore, it can be easily integrated into any municipal app, parking management infrastructure and urban and extra-urban mobility apps.

The company pays due attention to environmental issues trying not to affect the ecosystem in which they integrate the solution. Their goal is to offer a product entirely designed and manufactured starting from recycled materials or by recycling themselves.

The start-up already won a series of prizes. It is starting a pilot project with an Italian national road management company, and a collaboration with an electric charging station and electric mobility provider.

They are looking for investors, technological partners (suppliers of the sensors) and manufacturing partners (to industrialise the device).

Advantages and innovations

SMART PARKING ADHESIVE SENSOR: the sensor installation is non-invasive because positioned by gluing to the road surface, and it is ultra-thin so as not to generate bulk; resistant to the weight of cars, atmospheric phenomena and asphalt temperatures; Real-time communication; Five-year battery life.

SMART PARKING MANAGEMENT SYSTEM: the software system created to manage the data generated by the sensors and provide them to all mobility and traffic providers, can be integrated directly into their systems.

Technical specification or expertise sought

The partner sought can be: an Industrial partner who can support and/or invest in the SME, also by supplying the sensor components

Stage of development

Under development

IPR Status

IPR granted

Sustainable Development goals

• **Goal 11: Sustainable Cities and Communities**

Partner Sought

Expected role of the partner

Industrial partner who can support and/or invest in the startup, and also supplier of the sensor components

Type of partnership

Type and size of the partner

Commercial agreement with technical assistance

Investment agreement

• **Big company**

• **SME 11-49**

• **SME <=10**

• **SME 50 - 249**

Dissemination

Technology keywords

• **01004003 - Applications for Transport and Logistics**

• **10002010 - Remote sensing technology**

Targeted countries

• **World**

Market keywords

• **02005006 - Data I/O devices**

• **02007016 - Artificial intelligence related software**

Sector groups involved

• **Digital**

• **Mobility - Transport - Automotive**