Intelligent Pest Control – a first-line defence system against rats' infestation

Fact Sheet

Project Information

IPC

Grant agreement ID: 854640

Project website

DOI
10.3030/854640

Project closed

EC signature date
31 January 2019

Start date
1 February 2019

End date
31 July 2019

Funded under
INDUSTRIAL LEADERSHIP - Innovation In SMEs

Total cost
€ 71 429,00

EU contribution
€ 50 000,00

Coordinated by
SENSORA
Denmark

Objective

SensorA is an innovation-driven SME recently established in 2017 aiming at exploiting a new sensor-based solution for the rodents' pest monitoring and control application – the SensoRat. The founders have identified a prominent opportunity for an intelligent pest control system, based on the market analysis and dialogs with key stakeholders, incl. leading pest control companies and their current customers, the large companies from food and pharmaceutical industries, which are forced to comply with rigid regulatory framework to mitigate risks of pests. The pest control

industry is currently pursuing new IT-based
solutions for higher monitoring efficiency and effectiveness on preventing pests - as poison is no longer allowed to be used
as preventive approach. However, current ‘smarter’ solutions are mainly based on movement detection, which activates the
alarm with all type of animals – producing too many false-positives, thus hampering their use outdoors as a first-line defence.
SensoRat is an integrated solution enabled by a combination of sensors/models assembled in the rat box with capabilities to
monitor
the rat box online in real-time, identify the type of animal (based on the behaviour profile) and to issue an alert signal to the
hub, a cloud-based infrastructure using IoT network, only when rats (potentially dangerous animal) are detected - a key
features enable ‘smart’ defence line in industrial areas outdoors. SensorA will be supplying the market of pest control with
their new technology - which can reduce the risk of rat proliferation and optimize costs spent with box monitoring (cost
savings of about 40%).
The business potential for SensorA is estimated in 14 million euro in revenues and profits in the order of 8.5 million euro in
the first 5-year commercialisation, plus creating +18 new jobs. The SME Inst. helps us to introduce a disruptive tech/
approach in the market, creating awareness among key stakeholders for a successful market launch.

Fields of science (EuroSciVoc)

natural sciences > computer and information sciences > internet > **internet of things**

medical and health sciences > health sciences > **public health**

engineering and technology > electrical engineering, electronic engineering, information engineering > electronic engineering > **control systems**

engineering and technology > electrical engineering, electronic engineering, information engineering > electronic engineering > **sensors**

Programme(s)

H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs MAIN PROGRAMME

H2020-EU.3. - PRIORITY 'Societal challenges

H2020-EU.2.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies

Topic(s)

EIC-SMEInst-2018-2020 - SME instrument

Call for proposal

H2020-EIC-SMEInst-2018-2020

See other projects for this call

Sub call

H2020-SMEInst-2018-2020-1

Funding Scheme

SME-1 - SME instrument phase 1

Coordinator

SENSORA

Net EU contribution

€ 50 000,00

Total cost

€ 71 429,00

Address

DONSEVEJ 17
2970 HORSHOLM
Denmark

SME

Yes

Region

Danmark > Hovedstaden > Nordsjælland

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Last update: 6 September 2024

Permalink: https://cordis.europa.eu/project/id/854640