

Lithuanian technology SME seeking an alarm, nurse-call or telecare company to develop a camera-based early safety alert for older people at home and in care homes for Eurostars project

Summary

Profile type

Research & Development Request Lithuania

Company's country

POD reference

RDRLT20261012018

Profile status

PUBLISHED

Type of partnership

Research and development cooperation agreement

Targeted countries

• All countries

Contact Person

[Enrico FRANZIN](#)

Term of validity

12 Oct 2026
12 Oct 2027

Last update

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General Information

Short summary

A Lithuanian technology SME that develops on-device camera software for reading a person's physical state will coordinate a Eurostars project. The aim is a camera-based safety alert that warns family or care staff early, for example when an older person becomes unsteady and may fall. As coordinator, the SME seeks a company from another Eurostars country that makes alarm buttons, wristbands or nurse-call systems, or provides telecare, to build the alert into its service and test it with users.

Full description

The problem

Falls are one of the main reasons why older people lose their independence. Fall sensors and alarm buttons in use today react only after something has happened, or when the person presses the button. A person who has fallen, is confused or frightened often does not press it. Care homes and families cannot watch everyone all the time.

The project

A Lithuanian SME will coordinate a Eurostars project to develop and test a camera-based safety alert for older people living at home or in care homes. The SME develops software that works with an ordinary camera and reads a person's physical state in real time on the device itself. In the project this software will be adapted to signs that matter for safety: unsteady standing and walking, a fall, long inactivity, not getting up from bed or a chair. When such a sign appears, the system sends a short alert to family members or care staff. The aim is to warn them while the person is still standing, not only once the person is on the floor. The video stays on the device; only the alert and a short state message leave the room.

The project is about safety and independent living, in the same field as social alarm and telecare services. It does not aim at medical diagnosis.

Planned work

- adapting the camera software to real rooms in homes and care homes (lighting, camera position, several people, night time);
- connecting the alert to an existing alarm button, nurse-call or telecare platform, so that staff receive it in the tools they already use;
- a study with older volunteers and care staff, with ethics approval, measuring how often the alert is right, how early it comes and how many false alarms it gives;
- privacy design for cameras in private rooms and acceptance by older people, families and staff;
- a plan to bring the result to market through the partners' existing customers.

Programme framework

Eurostars supports international R&D projects led by innovative SMEs. Each partner is funded by its own national funding body under national rules. The consortium must include at least two independent organisations from at least two Eurostars countries, SMEs must carry at least 50 % of the project cost, and no single partner or country may carry more than 70 %. Only civil applications are eligible.

Timing

Call opens: 17 December 2026

Call deadline: 4 March 2027, 14:00 CET

Project duration: up to 36 months

Expressions of interest: by the deadline given in this profile

Partner sought

A company from another Eurostars country that makes alarm buttons, wristbands, nurse-call systems or other social alarm equipment, or provides telecare or home care alarm services. Role: integration of the alert into its platform, access to real homes and care homes, user and market requirements, and commercial use after the project. The coordinator plans to form the research side of the consortium from its existing research and clinical contacts. The partner should be able to apply for Eurostars funding in its own country.

A concept illustration of the idea (simulated values) is available here:
https://ai.emopulse.app/demo/griuvimas_emopulse.html

Advantages and innovations

Most fall detection used today is either something the person wears (an alarm button, wristband or pendant) or a floor or radar sensor. These work after the fall, and wearables help only if the person wears them and presses the button.

The approach in this project needs nothing to wear and nothing to press. A standard camera and software on the device follow how the person stands, moves and recovers, and can raise an alert while the person is still standing, for example when standing becomes unsteady, not only after the person is already on the floor.

Specific points:

- works with an ordinary camera, no special hardware;
- processing happens on the device, the video does not leave the room;
- several signals of the person's physical state are read together over time, not one signal alone; the core architecture is patented (1 patented, 2 pending);
- built to plug into alarm and telecare platforms that care providers already use, instead of another stand-alone system.

Camera systems for care homes already exist. The focus here is an early alert before the event and its use inside existing alarm services.

Technical specification or expertise sought

Alarm, nurse-call or telecare company

- own alarm, nurse-call or telecare platform (equipment, software or service) used in homes or care homes;
- an interface (API, protocol or alarm receiving centre) through which an external alert can be received and shown to staff or a call centre;
- practical knowledge of social alarm standards and of how alarms are handled (who receives them, response times, cost of false alarms);
- access to test sites (homes, care homes or sheltered housing), with consent of residents and staff;
- interest in offering the result to its customers after the project;
- welcome: experience with privacy and user acceptance of cameras or sensors in private rooms.

The coordinator brings the camera software and its patented architecture, on-device processing, adaptation of the software to this use and project coordination.

Stage of development

Under development

IPR Status

IPR granted

IPR Notes

1 patented (granted), 2 pending. International filing under consideration.

Sustainable Development goals

• Goal 3: Good Health and Well-being

Partner Sought

Expected role of the partner

One partner is sought from a Eurostars country other than Lithuania, eligible for Eurostars funding in its own country.

A company that makes alarm buttons, wristbands, nurse-call systems or other social alarm equipment, or provides telecare services. An SME is preferred, because Eurostars requires SMEs to carry at least half of the project cost, but a larger company can also join.

Tasks:

- define user and market requirements together with its customers (care homes, home care services, families);
- lead the work package on integration: receive the alert from the camera software in its platform and pass it to staff or a call centre;
- provide test sites and support installation;
- lead exploitation: business model, price, route to its existing customers;
- take part in the study with older people and care staff at its sites, together with the research partners of the consortium.

The coordinator leads project management and the work package on adapting and testing the camera software.

Other expectations: partners should check their national Eurostars funding rules before expressing interest, commit staff time for the whole project and take part in writing the proposal between December 2026 and February 2027.

Type of partnership

Research and development cooperation agreement

Type and size of the partner

- SME ≤10
- SME 11-49
- SME 50 - 249
- Big company

Call Details

Framework program

Eureka

Call title and identifier

Eurostars Call 12 for projects, deadline March 2027 (Eureka Eurostars programme)

Submission and evaluation scheme

One application per consortium, submitted by the call deadline on the Eureka project platform (myeurekaproject.org). International evaluation, then funding decisions by each partner's national funding body.

Anticipated project budget

Coordinator required

No

Deadline for EoI

15 Jan 2027

Deadline of the call

4 Mar 2027

Project duration in weeks

Web link to the call

<https://www.eurekanetwork.org/programmes-and-calls/eurostars/eurostars-call-12-for-projects-deadline-march-2027/>

Project title and acronym

Camera-based early safety alert for older people at home and in care homes

Dissemination

Technology keywords

- **01001001 - Automation, Robotics Control Systems**
- **01003003 - Artificial Intelligence (AI)**
- **01003012 - Imaging, Image Processing, Pattern Recognition**
- **01003023 - Environmental and Biometrics Sensors, Actuators**
- **01003007 - Computer Technology/Graphics, Meta Computing**

Targeted countries

- **All countries**

Market keywords

- **03007003 - Other analytical and scientific instrumentation**
- **03008004 - Other electronics related (including alarm systems)**
- **05001001 - Diagnostic services**
- **03007002 - Other measuring devices**
- **05006 - Anatomy, Pathology, Immunology, Physiology**

Sector groups involved

- **Health**
- **Creative Industries**
- **Digital**

Media

Videos

[Concept illustration, simulated values](#)