



NestSentinel

Watch over, without watching

Smart safety, without intrusion



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Enjoy reading!

NestSentinel is a French smart prevention solution designed to enhance the safety of seniors and vulnerable individuals, without video cameras, without wristbands, and without requiring any action from the resident.





1. Editorial — A word from the president

“Watch over, without watching: this is where NestSentinel begins”

Every senior should be able to live in an environment that is safe, dignified and respectful of their privacy. Yet the reality of care facilities and living environments shows every day how difficult this balance can be.

Care teams face a heavy workload, unpredictable situations and a huge responsibility: being present at the right time, even when the risk is not visible. Families, meanwhile, want reassurance without their loved ones feeling observed. Management teams must reconcile safety, quality of care, compliance and trust.

NestSentinel was born from this conviction: **technology can help, provided it remains at the service of people.**

Our approach is based on a simple idea: detecting useful signals without filming, without recording conversations, without requiring residents to wear a wristband or take any specific action. We want to create safety that is more discreet, more intelligent and more acceptable in living environments.

Our ambition is not to promise zero risk. It is to help identify situations that require intervention earlier, with more context and reliability, while better respecting privacy.

In a world where the population is ageing and the need for support is increasing, we believe a new generation of tools must emerge: reliable, explainable, restrained and deeply human solutions.

This is the vision carried by NestSentinel.



Pierre Marmignon
CEO of NestSentinel



2. Watch over, without watching



Ageing is reshaping safety needs

France is entering a lasting phase of demographic ageing. In 2026, people aged 65 and over account for more than one fifth of the French population. This shift is profoundly changing the needs of families, care facilities, caregivers, healthcare professionals and medical-social organisations.

In nursing homes, senior residences, care facilities and home living environments, safety is no longer only about responding to incidents. It also means detecting weak signals more effectively, intervening earlier and supporting care teams in their daily work.

But this growing need for safety comes with another essential requirement: respect for privacy. Seniors and their loved ones are more likely to accept technological support when it protects without monitoring, reassures without controlling, and remains discreet and easy to understand.

This is precisely the shift NestSentinel aims to embody: moving from a logic of surveillance to a logic of prevention.





2. Watch over, without watching



A challenge that is both human and organisational

The safety of vulnerable individuals involves several audiences at once:

- **Residents** who want to preserve their dignity, independence and privacy;
- **Families** seeking reassurance;
- **Care teams** who need useful alerts, not unnecessary notifications;
- **Management teams** who must secure care pathways, improve quality and document incidents;
- **Institutional partners** who support prevention, traceability and quality of care.

In this context, technology can only be relevant if it integrates naturally into the real day-to-day practices of care facilities.





3. The problem



The invisible risks of everyday life

A fall, a call for help or an environmental anomaly can go unnoticed...

In a bedroom, bathroom, corridor or isolated area, certain incidents can occur **without an immediate witness**. A fall, prolonged immobility, a distress call, a carbon monoxide leak, an abnormal temperature or the early signs of a fire all require a rapid response.

These situations are not always easy to detect with traditional systems. Some solutions rely on the person wearing a device, pressing a button or being visible to a camera. Yet seniors do not always wear their devices, are not always able to ask for help, and do not always want to be filmed in their living environment.

The challenge is therefore twofold:

- **Detect** risk situations **more effectively**;
- Do so in a **way that is acceptable, discreet and respectful**.



The challenge of alert quality



In care facilities, an alert must be useful, easy to understand and properly prioritised. Too many irrelevant alerts can increase the workload for care teams and create alert fatigue.

NestSentinel addresses this challenge through a **multi-sensor correlation approach**: the solution does not rely on a single isolated signal, but cross-checks several indicators to better qualify the situation.



4. The NestSentinel response



A smart prevention solution

NestSentinel is developing **RoomGuardian**, a smart prevention solution designed for healthcare facilities, nursing homes, medical-social organisations and living environments supporting vulnerable individuals.

It automatically detects several types of situations:



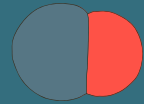
Falls



Calls for help



Early-stage fires



Carbon monoxide



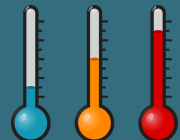
Glass breakage



Light levels



Immobility



Temp. & air quality



The difference: watch over, without watching.

NestSentinel does not rely on conventional video. The solution is not designed to identify individuals, film faces or record conversations. It **analyses signals that are useful for safety**: heat, presence, movement, alert sounds and environmental data. This approach makes it possible to reconcile two requirements that are often seen as opposed: **safety** and **privacy**.

5. How the solution works

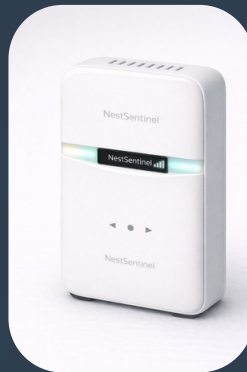


Three levels: sensors, local server, secure cloud

RoomGuardian by NestSentinel operates as a **three-level prevention chain**.



RoomGuardian by NestSentinel
(multi-sensor)



NestSentinel Edge Gateway

under 3 seconds



Care teams — direct on-site alert



Cloud — families & oversight

NestSentinel



6. NestSentinel benefits

1. For **residents**:

- Enhanced safety without video cameras,
- No wristband to wear,
- Faster intervention when an abnormal situation is detected,
- An approach that respects privacy,
- Possibility of controlled audio communication during an alert or upon request.

2. For **care teams**:

- More contextualised alerts,
- Prioritisation of critical situations,
- A potential reduction in unnecessary notifications,
- Better assessment before intervention thanks to the intercom,
- A support tool, not a replacement for human care.

3. For **facility management**:

- A consolidated view of rooms, floors or facilities,
- Useful data for quality monitoring and traceability,
- An architecture capable of operating locally,
- A response to compliance, safety and trust challenges,
- A differentiated positioning for families and partners.





7. Privacy & data security



Protecting without exposing privacy

NestSentinel was designed to strengthen resident safety without turning their living environment into a surveillance space. The solution focuses on **analysing signals that are useful for risk prevention**, without video cameras, without wristbands and without permanent listening to conversations.

This approach helps reconcile two essential requirements in care environments: **enabling faster intervention** when an abnormal situation is detected, while **preserving the dignity, privacy and trust** of the people being supported.



An architecture designed for data security

Data is **protected** at every stage through **multiple layers of security**: encrypted communications, access management, authentication, activity logging and data separation by facility or organisation.

NestSentinel is designed in line with **GDPR compliance** principles and **secure health data hosting requirements**, with particular attention paid to traceability, access rights and data minimisation.



8. Key figures & data



Context figures

- In France, people aged 65 and over represent around 22% of the population in 2026,
- In 2024, Santé publique France recorded **174,824 hospitalisations related to falls** among people aged 65 and over,
- In 2024, 20,148 deaths among people aged 65 and over were linked to falls,
- In France, at the end of 2023, 697,000 people were attending or living in a residential facility for older adults.

Sources: Insee (2026), Santé publique France (2024 data published in 2026), DREES (2025).



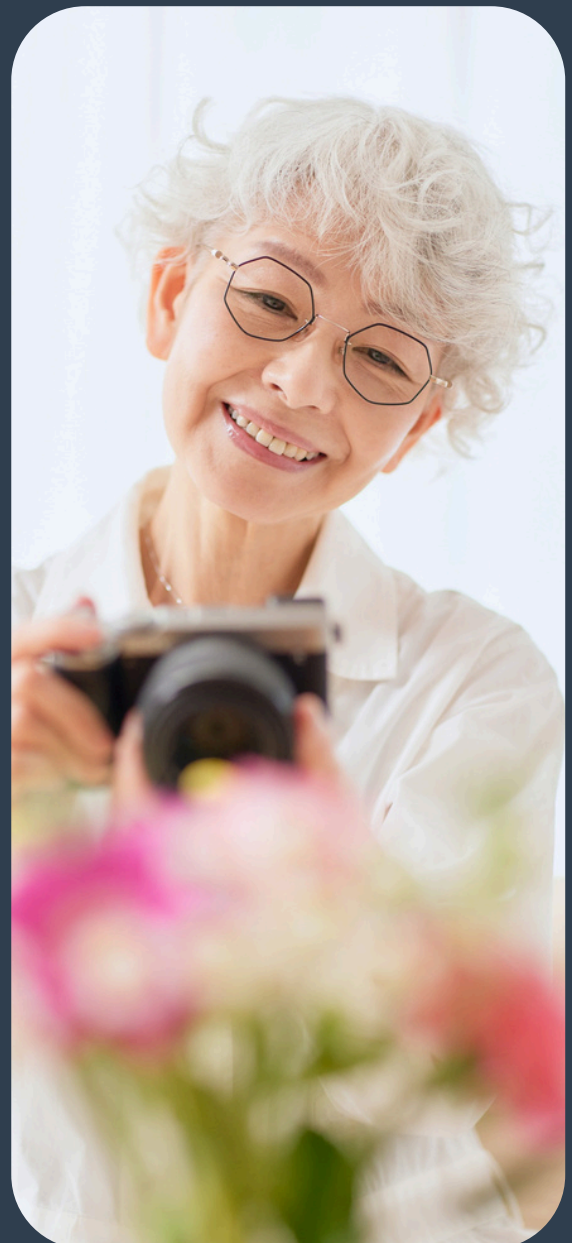
NestSentinel key figures & data

- 12 sensors or detection components integrated into RoomGuardian, the NestSentinel multi-sensor.
- Fall detection: target alert in under 3 seconds, according to documented technical scenarios.
- **Local operation possible** even in the event of an Internet outage.
- Local server designed to receive and analyse sensor data within the facility.
- Architecture designed to combine sensors, embedded AI, Edge server and secure cloud.



9. Key milestones

NestSentinel timeline:



10. Use cases



Here are a few use cases among a wide range of possible scenarios:

1 Fall detection in a room

A person falls in their room and remains motionless. The system cross-checks several signals: thermal posture, sudden movement, presence, absence of movement and a potential impact sound. An alert is sent to staff to enable a rapid check.



1

2 Call for help or distress cry

A resident calls for help. The system identifies the sound signal as an event requiring attention. The care team receives an alert and, depending on the configuration, can initiate controlled audio communication.



2

3 Early-stage fire or environmental anomaly

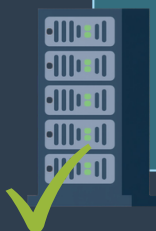
An abnormal rise in heat, a flame signal, a deterioration in air quality or the detection of carbon monoxide can trigger an alert. The system aims to make visible risks that are not always immediately perceptible.



3

4 Works without an Internet connection

In the event of an Internet outage, the local server maintains on-site processing and alerting capabilities. Once the connection is restored, data can be synchronised.



4

11. Company profile



Our mission

NestSentinel is a French company specialising in cloud software publishing and the design of connected devices. It develops a smart solution for preventing and detecting risks for seniors and vulnerable individuals.



Our vision

To create a world where every senior can live safely and independently.

NestSentinel positions itself as a smart, non-intrusive safety solution designed to meet the real-life needs of healthcare and medical-social facilities.



Our values

- Safety.
- Reliability.
- Care.
- Innovation.





12. Key messages for journalists

To talk about NestSentinel, here are a few guiding points:

Ready-to-use phrases:

- NestSentinel protects without monitoring.
- The solution detects risk situations without video cameras, without wristbands and without requiring any action from the resident.
- NestSentinel combines multi-sensors, embedded artificial intelligence, a local server and a secure cloud.
- The goal is to help care teams intervene faster, with more contextualised information.
- The technology has been designed to respect residents' privacy while strengthening prevention.
- NestSentinel addresses a major challenge: making the invisible risks of everyday life visible.



What NestSentinel is not:

- NestSentinel is not a surveillance camera.
- NestSentinel is not a conversation listening device.
- NestSentinel is not a wristband worn by the resident.
- NestSentinel does not replace care teams.
- NestSentinel does not promise zero risk.



What NestSentinel aims to bring:

- Earlier detection.
- More targeted intervention.
- Improved traceability.
- Safety that is more acceptable for residents.
- Concrete support for care teams.





13. Frequently asked questions (FAQ)

Here are some of the most frequently asked questions:

1 Does NestSentinel film residents?

No. NestSentinel does not rely on a conventional video camera. The solution uses thermal and presence data, among other signals, to detect abnormal situations without identifying faces or filming the details of everyday life.



1

2 Does the microphone record conversations?

No. The microphone is used to recognise types of sound events, such as a distress cry, an alarm, glass breakage or an impact sound.



2

3 What happens if the Internet connection goes down?

The local server allows the system to continue operating on site for critical alerts. Data can then be synchronised once the connection is restored.



3

4 Who is NestSentinel designed for?

NestSentinel is designed for healthcare facilities, nursing homes, medical-social organisations, senior residences and environments supporting vulnerable individuals.



4

13. Frequently asked questions (FAQ)



Does the solution replace care staff?

No. NestSentinel is a support tool for prevention and alerting. Decision-making, support and intervention remain human.

5



Is the data secure?

NestSentinel is based on a secure architecture that includes encrypted communications, granular access management, data isolation by organisation and full activity traceability. Health data is intended to be hosted in an environment compliant with HDS requirements — Hébergeur de Données de Santé, the French health data hosting standard — to ensure a level of protection suited to healthcare and medical-social facilities.

6



Why not simply use a camera?

Because safety should not come at the expense of privacy. NestSentinel offers an alternative: detecting risk situations based on useful signals, without intrusive video surveillance.

7





14. Support & recognition

From structuring support to early international recognition, NestSentinel is moving forward with an engaged ecosystem.



Incubation & acceleration

LES
R/VES
CRÉA—
T/VES



EURATECHNOLOGIES



Ecosystem, innovation & sovereignty



OVHcloud
**Startup
Program**

CITC
DIGITAL INNOVATION HUB
HAUTS-DE-FRANCE



DeepTech & funding

bpifrance
SERVIR L'AVENIR



Awards & recognition



NEBIUS
**AI DISCOVERY
AWARD**
2026
TOP 10 - MEDICAL DEVICES



NestSentinel



15. Press contacts

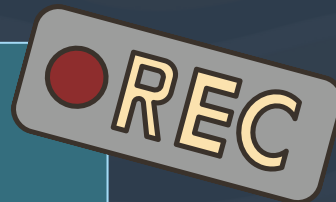
NestSentinel is a French company specialising in smart risk prevention and detection solutions for seniors and vulnerable individuals.

Through the development of **RoomGuardian**, its device designed for rooms and living spaces, NestSentinel supports healthcare facilities, nursing homes, senior residences and medical-social organisations in the early detection of falls, calls for help, risk situations and environmental anomalies.

Designed to **watch over without watching**, the solution combines non-intrusive sensors, embedded artificial intelligence, an autonomous local server and a secure cloud environment, helping care teams intervene faster while preserving residents' privacy, dignity and trust.

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