

WE **CREATE** A SAFER ENVIRONMENT
TO PRESERVE **THE AUTONOMY**
OF THE ELDERLY.

A new paradigm in detecting,
understanding and
preventing falls.



The fall of the elderly, a well-known worldwide issue that is poorly addressed



These poignant statistics have a tangible impact on our elderly but also on the caregivers who look after them

Worsened health of the residents

Nursing staff working under daily pressure



The physical and psychological consequences of falls are significant and result in self-limitation of activity and loss of self-confidence. This is a vicious circle that accelerates the deterioration of the health status of residents.

Falls, wandering around and intrusions also have an impact on the nursing staff. The anxiety of discovering an injured resident or the fear of a recurrence creates difficult working conditions and the use of sub-optimal solutions such as restraint.

"Kaspard makes our work easier"

"Kaspard has improved the residents' quality of life. It reinforces supervision and makes work more comfortable."

Nurse Manager / Paris, Île-de-France region

KASPARD, from limitation to autonomy



Discreet, non-intrusive and respectful of residents' privacy, Kaspard fall detector was developed in collaboration with health professionals to help the elderly. It allows the detection, analysis and prevention of falls, with the main objective of improving the quality of life in nursing homes or hospitals.

OUR SOLUTION

DETECTION	COMPREHENSION		PREVENTION
Real-time alarm detects each fall	3D animation of each fall	Data reports of night activity	Real-time alarm warns for too long bed exit
Assistance in less than 2 minutes		Health professionals can personalise care and treatment	
RAPID INTERVENTION	PERSONALIZED CARE		FALL REDUCTION
			On average, 2 out of 3 falls are avoided

*statistics observed during more than 2 million operational hours

YOUR BENEFITS



Discreet, non-intrusive and respectful of residents' privacy, Kaspard fall detector was developed in collaboration with health professionals to help the elderly. It allows the detection, analysis and prevention of falls, with the main objective of improving the quality of life in nursing homes or hospitals.

The Kaspard Fall Detector is **easy to install** and **user-friendly**. Mounted on the ceiling in the corner of the room, all it needs is a WiFi (or Ethernet) connection and a power outlet. Our dedicated team of experts handle installation and training of the nursing staff.



"This device is definitely all about preventing."

"The real innovation of Kaspard is that we can now get to a resident before the fall occurs. This device is definitely all about preventing."

Nursing Home Director / Caen, Normandy region

DETECTION



In a nursing home with about 100 beds, on average at least 200 falls occur each year.

Kaspard provides a solution that detects all types of falls, and alerts the nursing staff in real time.



When a fall occurs, the system instantly sends an alarm to the nursing staff via the DECT or the smartphone being used.



Instantly notified, the staff can respond immediately to assist the resident within 2 minutes.



Rapid intervention, renewed confidence, reduced stress, ... The results obtained thanks to the Kaspard detection solution are tangible and significant, both for the resident and for the care team.

COMPREHENSION



Personalized care

The 3D visualization of the fall helps to understand the circumstances and causes of the incident. With this valuable analysis tool, multidisciplinary teams can limit the risk of a new fall and take preventive actions. It also provides support during multidisciplinary discussions to personalize residents' care.



Understanding habits

Activity reports offer a better understanding of residents' behaviour and habits. Combined with 3D visualisations, these reports are an indispensable asset when adapting care to suit the needs of each resident and for implementing preventive actions.

PREVENTION



Residents can get in and out of bed freely during a specified period of time. This period is customisable on the basis of their profile.



Once the scheduled time for getting out of bed has elapsed, Kaspard immediately sends an alarm to the nursing staff via the DECT or the smartphone.



With this too long bed exit alarm, the staff is immediately notified of the risk of a fall, and can safely get the resident back to bed before a fall occurs.



This unique and revolutionary alarm restores the resident's confidence and autonomy while preserving their mobility with a 67% reduction in falls (two out of three falls at night are avoided).



BENEFITS TO RESIDENTS

A more secure environment that restores self-confidence and autonomy.



BENEFITS TO FAMILIES

Care that reassures and answers questions.



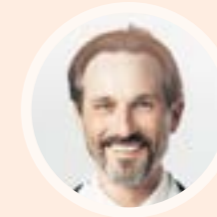
BENEFITS TO NURSING HOME MANAGERS

A prevention policy that makes residents safer and supports the nursing staff.



BENEFITS TO NURSES

This is a daily support that truly helps and offers peace of mind.



BENEFITS TO PHYSICIANS

Relevant data that allows for personalized care.



BENEFITS FOR THE IT DEPARTMENT

A secure solution that respects the privacy of residents.

► "Kaspard makes it possible to act before a fall"

"Before Kaspard, the number of falls was obviously much higher. In a nursing home with an average of 4 rounds per night, it was not uncommon for a fall to occur and to actually remain unknown until the next round. Kaspard makes it possible to act much faster and, more importantly, before the fall."

Team Leader Care /Brussels, Brussels-Capital Region

► "Families are amazed to see that such a device helps keep their loved ones safe"

"Families are amazed that this tool (Kaspard) is in place and are amazed to see that such a device is available to prevent falls. Relatives are very happy that we have it in place to keep their loved ones safe – it's a huge benefit to the facility."

Quality Advisor/ La Louvière, Walloon region

Reliable, unobtrusive and contactless technology

3D visualisation of falls

Activity reports

Reliable Easy Unobtrusive Contactless Interoperable

Kaspard is a scalable custom-made 3D sensor to meet your facility needs and stay innovative. The sensor runs on embedded software that uses a unique algorithm that includes Artificial Intelligence.

- 1**

PLACEMENT

The Kaspard distance sensor is placed in the corner of the room, and covers it completely with a 90° angle.
- 2**

RELIEF

The distance sensor creates a point cloud that represents the relief of the room.
- 3**

MOVEMENT

By comparing the relief moment by moment, our smart sensor identifies the movements in the room.

This technology allows for safe detection **without data transfer**, while preserving not only resident's privacy, but also the bandwidth of the facility. Only the resident's current condition is sent to a local server, which uses a **very low bandwidth usage** (<2kb/s).

▶ "With Kaspard, we can now adjust our treatments"

"Kaspard is very important for our residents; All the information provided by the system allows us to better understand their needs, personalise their care and adapt their treatment. It is a powerful tool."

Nurse Manager / La Louvière, Walloon region



- ✓ **A user-friendly solution** for the nursing staff and reliable for **99.3%**
- ✓ **The installation is simple** and is handled by our team, **without any work or maintenance**
- ✓ **Complete training** by an experienced nurse
- ✓ A solution with an impact: **2 falls out of 3** are from now on avoided

A team of experts

- TRAINING**

Training and integration of medical and IT staff
- SUPPORT**

Support throughout the process and in case of questions
- IMPROVEMENT**

Gathering your feedback for continuous improvement

Our team of experts will support you throughout the process. Our experienced installers take care of the implementation of the solution. Our qualified nurses train and supervise the nursing staff and periodically collect your feedback for continuous improvement.

▶ "Kaspard helps us understand our residents' nighttime behaviours"

"Kaspard lets us understand our residents' nocturnal patterns and answers all of our questions. It gives us peace of mind. And we can move it easily to another room: it's unbelievably convenient!"

Nurse Manager / Liège, Walloon region

Contact us!

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They trust us



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