



sensafe
CARE

SenSafe intelligent room monitoring
for residential aged care

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SenSafe by Sensafe Care is a person-centred resident safety monitoring solution developed for residential aged care. It ensures staff are supported in delivering the highest level of care through intelligence, information, and alerts.



Detect Falls

Immediate accurate alerts mean reduced time lying on the floor.



Monitor Social Inclusion

Enhance resident safety, monitor room visitation, and improve social inclusion.



Bathroom Visits

Identify potential medical issues and improve safety in the bathroom.



Proactive Alerts

Reduce injuries by monitoring behaviours such as sitting on the edge of the bed, rocking, and pacing.



Time at Rest

Ensure comfort and mobility by sensing chair sleeps and lack of movement.

SenSafe communicates when residents can't

SenSafe is a comprehensive room monitoring solution that eliminates the need for costly and ineffective wearables, call buttons, and pressure sensors. It enhances alert quality and accuracy whilst providing better information to help staff respond appropriately every time.

SenSafe monitors the safety of residents by detecting and analysing changes in a room. It uses meta-data sensors with advanced scene analysis to alert staff to possible safety concerns such as falls, injuries, or inconsistencies to regular routines and behaviours.

How SenSafe works?



1. INCIDENT DETECTED

SenSafe's meta-data sensors detects changes in the room environment according to the resident risk/behaviour profile.



2. ALERT INTERPRETED

SenSafe's meta-data sensors feed information into its advanced scene analysis algorithm, raising alerts.



3. ALARM RAISED

Care managers are alerted to incidents on the SenSafe dashboard and through the nurse call system; essential information is sent to care staff in real time to their nurse call device, be it a handheld device, smartphone, or pager.



4. CARE DELIVERED = ALARM RESOLVED

Care staff are informed to alerts in real time for immediate action. SenSafe detects when the incident has been attended and resolves the alert, reducing false alerts and call congestion.



5. AFTER CARE

The SenSafe residential care monitoring system can be used to produce reports, statistics, and analytics to monitor and improve resident care and enable pre-emptive care by identifying behaviour trends indicating decline or infection.



SenSafe can be integrated with existing nurse call solutions or adapted as a stand-alone facility monitoring and nurse call solution.

Preventative care

Upon admission, residents are assessed by nursing staff to identify their particular needs, behaviours and risks. These risks are set by care staff using easy drop-down menus, tailoring each room to the individual's risk profile.

SenSafe not only detects falls, it can be used to predict and prevent behaviours before they escalate.

Preventative care options:

- Prevent falls by alerting care staff when the resident moves to the edge of the bed.
- Early interventions can be put in place to manage confusion and aggression by detecting rocking and pacing.
- Pressure sores can be minimised by monitoring extended periods in a chair or bed.
- Common infections such as UTIs can be identified through the assessment of bathroom visits.



SenSafe in action

SenSafe by Sensafe Care was developed in collaboration with a leading Australian residential and dementia care provider, combining new technologies like advanced scene analysis and artificial learning to address key concerns in aged care. It aims to enhance reliability by automating safety detection, reducing false alarms, and preserving the privacy and dignity of residents and care staff.

Innovating in place

The product underwent rigorous testing and refinement over 18 months deployed in place, proving its effectiveness in residential and dementia care settings and providing tangible benefits for staff. Its integration with Nurse Call systems streamlines monitoring, eliminating the need for bed and floor mats and reducing false alarms.

SenSafe excelled in fall detection, pacing monitoring, and bathroom visits during testing, leading to its implementation in a 15-room dementia-specific cottage during the proof-of-concept.

Ongoing development

Ongoing collaboration with the aged care sector ensures the product evolves to meet future needs. The SenSafe dashboard and operating system empowers care managers with reporting tools to track behaviour trends and response times, aligned with industry performance metrics.



Addressing key concerns in aged care:

- Unreliable legacy technology (pressure mats and flooring)
- The need for better incident data in resident rooms
- Privacy and dignity protection for residents and staff
- Aligning technology with sector needs



About Sensafe Care

Sensafe Care is an Australian-based organisation dedicated to driving change in the aged care sector through cutting-edge technology and sensitive, practical, safety solutions for residential aged care.

Our safety solutions are based on world-leading technologies and backed by a team of experienced engineers, technicians and integrators.



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