

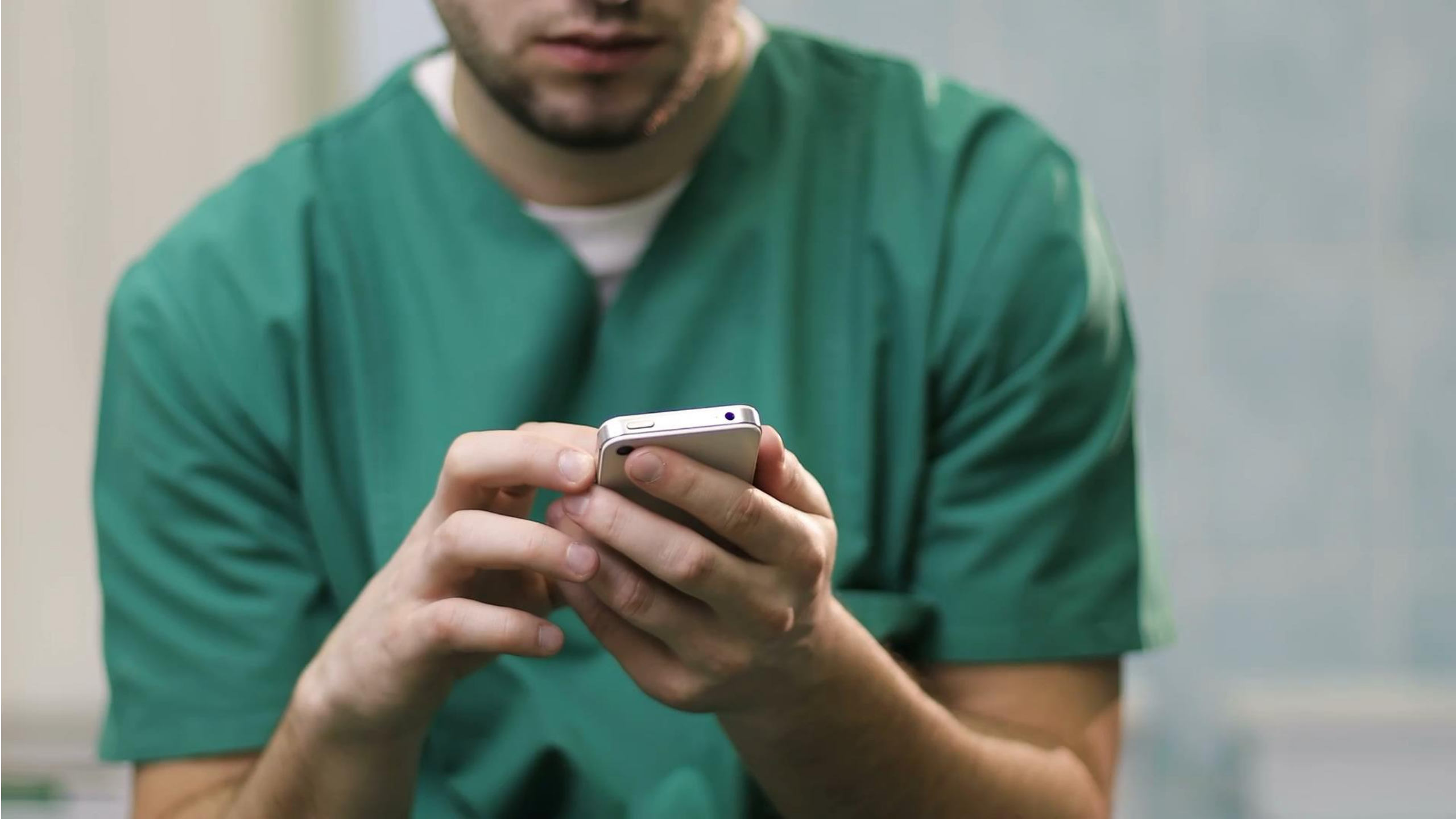
MOBOTIX NurseAssist Healthcare Solution

360° smart sensor for automatic fall
detection – can be directly integrated
into Nurse call and reporting systems.



*MOBOTIX NurseAssist
powered by Kepler Vision Technologies*





MOBOTIX NurseAssist Solution

Basic Advantages





Improved personnel efficiency

- By automating routine, time-consuming observation tasks, the **MOBOTIX NurseAssist solution** enables nursing staff to **concentrate on** providing residents **with the care** they need, **optimizing** work processes and thus preventing stress and burnout.



Increased safety for residents and patients

- With **real-time monitoring** and immediate alerts, the **MOBOTIX c71 NurseAssist Smart sensors** positioned in the ceiling help to detect or even prevent falls, disorientation and other safety incidents in good time.



Thanks to MOBOTIX 360° technology, only one Smart Sensor is required per room.



Complete solution: Smart Sensor plus Nurse Call system

- With **NurseAssist**, MOBOTIX offers a cost-effective and easy-to-implement **complete solution**:
 1. **Smart Sensor** (for superior fall detection and prevention alarms)
 2. **Nurse call & reporting system** (based on MOBOTIX HUB with NurseAssist Dashboard)
- **Alternatively**, the c71 NurseAssist **Smart Sensor** can be easily integrated into **external nurse call systems** thanks to **standard network technology**.



Simple integration into external nurse call systems

- The integration of the MOBOTIX c71 NurseAssist Smart Sensors enables a comprehensive and efficient approach to resident and patient care.
- **Easy installation and integration into standard systems** (e.g. IQ Messenger, Skyresponse), but also into **individual platform solutions** thanks to IP technology (MQTT/API).
- **Fast implementation, increased efficiency** and cost-effectiveness.



Positive ROI for your facility

- The MOBOTIX NurseAssist solution provides a significant return on investment by **increasing operational efficiency, reducing incidents and minimizing staff workload** through effective monitoring and alerting systems.



MOBOTIX NurseAssist Solution – **Areas of Application**



**Nursing homes
and senior
residences**



**Home care and
assisted living**



**Facilities for
people with
disabilities**



**Hospitals and
rehab centers**

MOBOTIX NurseAssist Solution

**in Nursing Homes and
Senior Residences**





Nursing homes and senior residences

- Care facilities for the elderly are one of the main areas of application.
- The MOBOTIX **NurseAssist Smart Sensors** are mounted on the ceiling, require hardly any space and can therefore be easily installed in individual rooms without disrupting the daily routines of elderly residents.
- This solution is particularly relevant for facilities with single rooms.



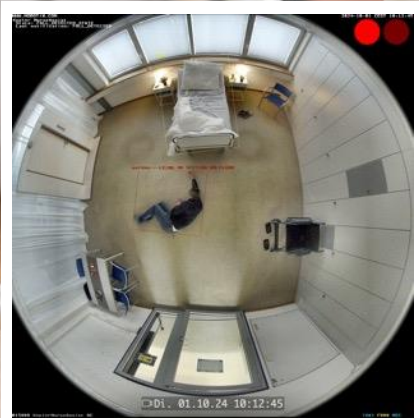
Examples such as NurseAssist can be used in geriatric care:

- Fall detection (with 99% reliability)
- Monitoring the resident's status (e.g. person is lying in bed, is in the bathroom, has left the room)
- Remote communication (microphone and loudspeaker integrated in the Smart Sensor for two-way communication)



Fall detection

- **MOBOTIX NurseAssist sensors** immediately alert care staff if a person has fallen or is sitting on the floor. This enables a rapid response to ensure the safety and well-being of residents.
- By reducing secondary damage through timely intervention, care staff can create a much safer environment for residents.

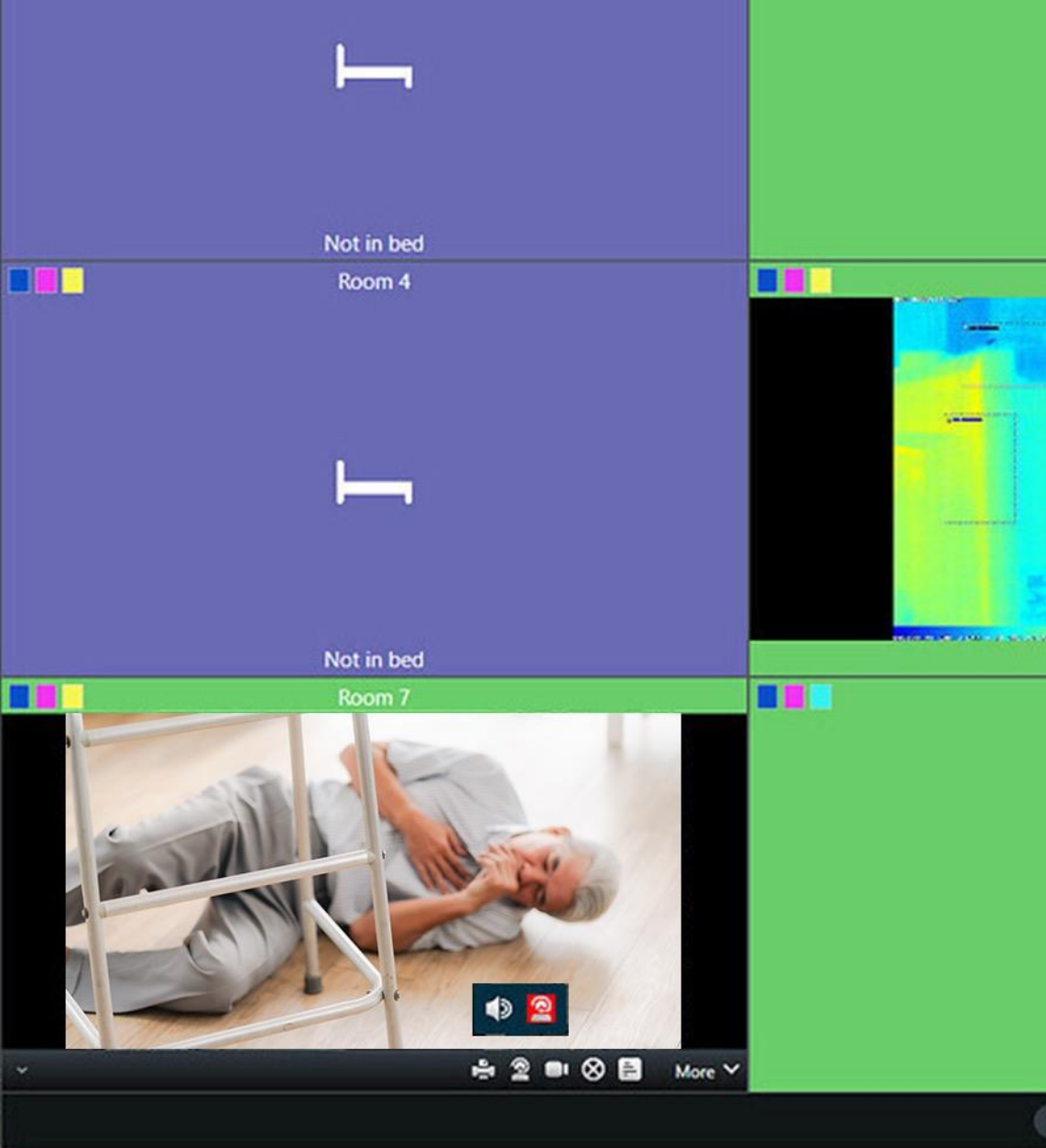




Monitoring

- The MOBOTIX **NurseAssist solution** recognizes the current status of the resident in the room (in bed, in the bathroom, ...). For example, the smart sensors can also detect that a resident is **sitting on the floor** or on the **edge of the bed** for too long, which could indicate a health problem.
- With this **proactive approach to care**, care staff can prevent potential problems and ensure the general well-being of residents.





Effective communication

- The MOBOTIX **NurseAssist solution** improves resident care by enabling **direct communication** as the first response to alarms.
- If an incident is detected, the nursing staff can **contact** the residents immediately.
- **Through direct interaction**, the MOBOTIX **NurseAssist solution** not only addresses safety concerns, but also fosters a supportive environment where residents feel cared for and connected.



Fall detected



MOBOTIX NurseAssist Solution

**in Home care and
assisted living**





Home care and assisted living

- The use of smart sensors such as **MOBOTIX NurseAssist** also offers an excellent opportunity to **improve the safety and well-being** of people living independently at home.
- By integrating this intelligent system, **relatives and caregivers** can **focus on providing quality of life and support** without having to be physically present at all times.
- The solution acts as a reliable safety net, guaranteeing **rapid notification** of potential problems and providing all the information needed to **act quickly and decisively**.



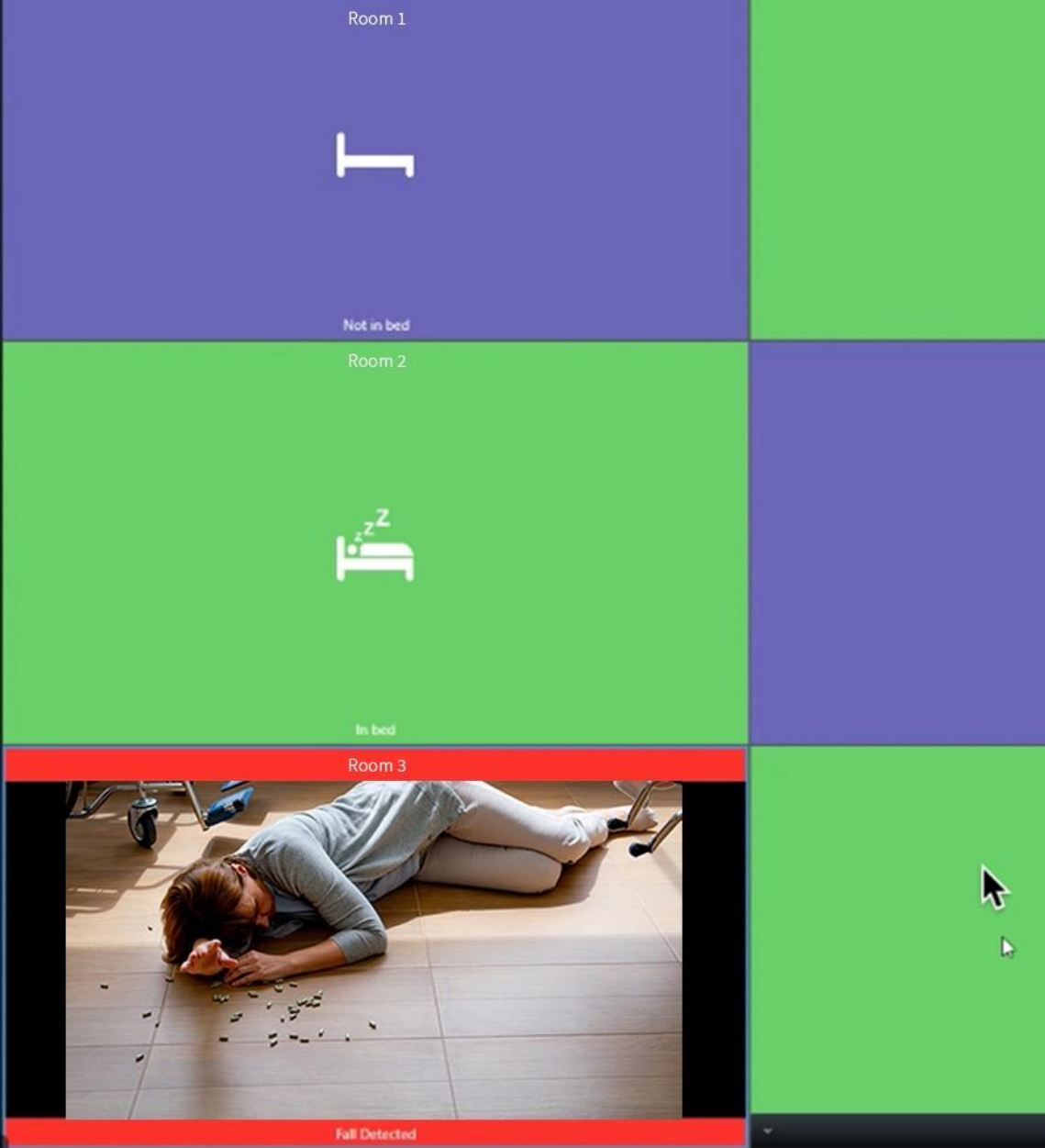
Examples of how NurseAssist in home care and assisted living can be used:

- Emergency alarm system
- Routine monitoring



Emergency alarm system

- MOBOTIX **NurseAssist sensors** can detect emergencies, such as falls or sudden health-related events, and immediately alert nursing staff or emergency services.
- This function ensures **timely assistance** and minimizes the risk of serious injuries or complications for those affected at home.





Routine Monitoring

- **MOBOTIX NurseAssist sensors** record the status of a resident in a room around the clock.
- If the sensors detect **unusual movement patterns**, for example, care staff or relatives can be alerted to carry out further investigations.
- This **real-time information** enables rapid intervention to maintain the resident's health and well-being and ensure that they remain safe and supported in their own environment.



Edge of bed

MOBOTIX NurseAssist Solution

**in Facilities for People with
disabilities**





Facilities for people with disabilities

- Care facilities for people with disabilities can benefit from the integration of **MOBOTIX NurseAssist sensors** to **improve the quality of care** while promoting the **independence of their residents**.
- With functions such as **emergency warning systems** and **virtual status checks**, the sensors provide care staff with important information **in compliance with data protection regulations**, enabling them to make quick and well-founded decisions.



Examples of the use of NurseAssist in facilities for people with disabilities:

- Emergency response
- Recognize leaving the bed (e.g. at night)



Emergency response

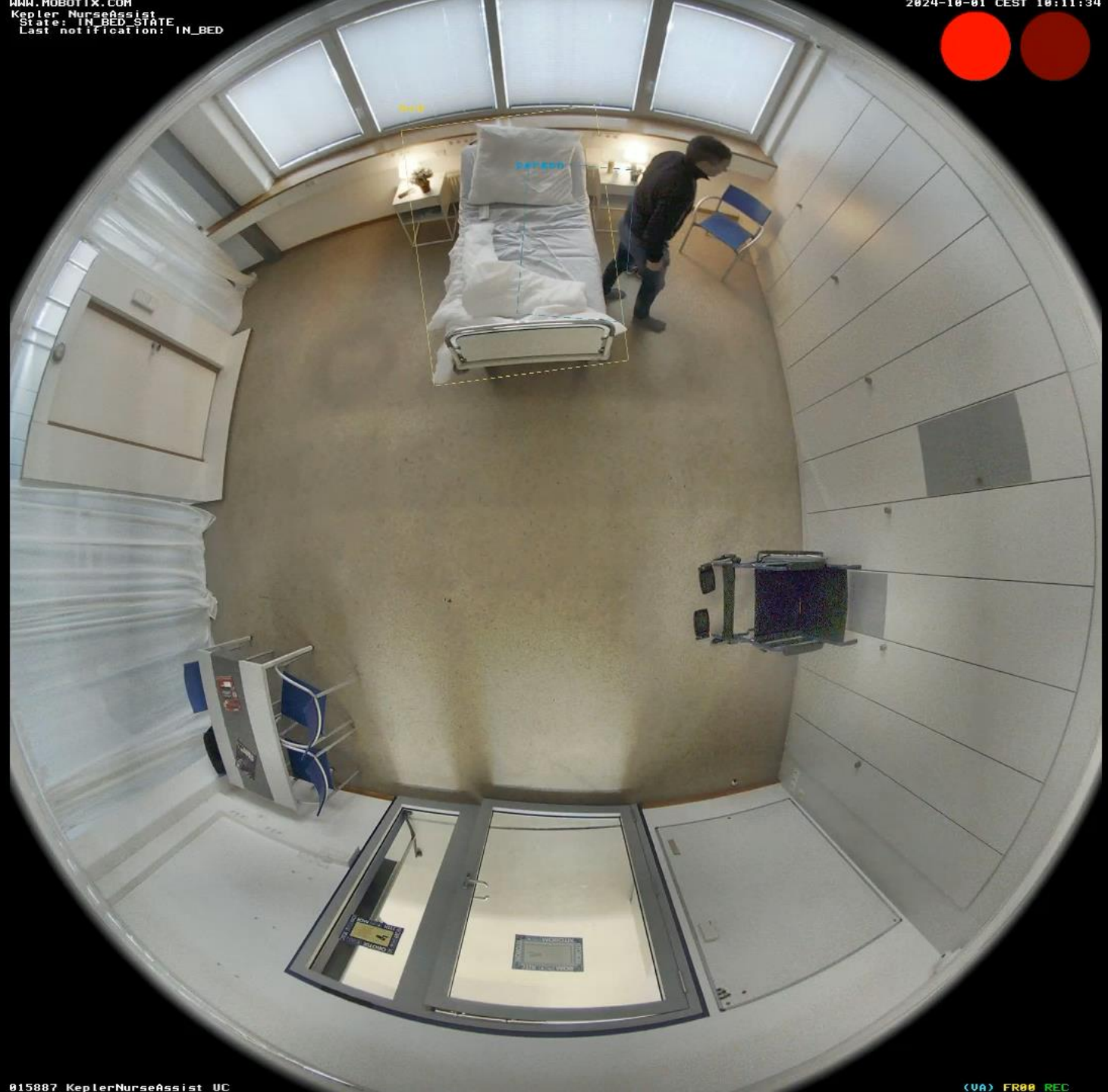
- The MOBOTIX **NurseAssist sensors** can **automatically detect and report** any incidents or emergencies in the facility, such as **falls**.
- This **rapid response capability** drastically reduces the time it takes to provide the necessary assistance and ensures that every resident can be cared for in good time, which significantly minimizes the risk of falls.



Recognize leaving the bed

- **MOBOTIX NurseAssist sensors** can detect when a resident **leaves** their **bed** (for example, at night and unattended) and alert care staff to check on the resident and help them if necessary.
- This function is particularly important for residents with mobility problems or at risk of falling, as it helps care staff to **prevent potential accidents**.





Not in bed

A blurred background image of a hospital or rehabilitation center. Several medical staff members in teal scrubs are visible, working around a patient on a gurney. The scene is brightly lit, likely by overhead medical lights.

MOBOTIX NurseAssist Solution

**in Hospitals and
Rehabilitation Centers**



Hospitals and rehabilitation centers

- The system **reduces the burden** by automatically recognizing the status of patients accommodated in single rooms, while at the same time **ensuring** their **safety**.
- MOBOTIX **NurseAssist sensors** are particularly helpful for patients who are recovering from an operation and need to be constantly monitored.
- For example, an **alarm** can be triggered for any patient who **needs to stay in bed**. When they leave the bed, the nurses' station receives an alarm, which enables fast response times and the possibility of prioritizing patients as required.



Examples of the use of NurseAssist in hospitals and rehabilitation centers:

- Postoperative care
- Tracking mobility
- Virtual tours



Postoperative Care

- After a surgical procedure, patients often need intensive care to ensure that their recovery goes smoothly. **MOBOTIX NurseAssist sensors** can help by detecting bed exits or falls.
- This allows the nursing staff to concentrate on other tasks while ensuring the patient's safety.





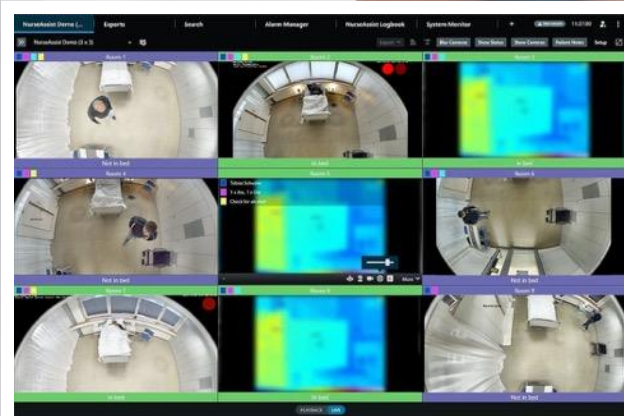
Tracking Mobility

- For patients who have undergone surgery or are recovering from an injury, MOBOTIX **NurseAssist sensors** can help optimize their mobility and activity levels.
- This information can be used to adapt treatment plans and ensure that patients make progress in their recovery.



Virtual Tours

- In the changing landscape of healthcare, **virtual night-time routine checks** represent a new approach to patient care.
- Using a MOBOTIX **NurseAssist sensor**, a nurse can check the situation in the patient's room without entering the room.





On the floor

MOBOTIX NurseAssist Solution

Installation and Integration





Seamless installation and integration

- The installation of our state-of-the-art systems in your facility should be a **smooth and uncomplicated** process that disrupts daily operations as little as possible during the installation process.
- With a focus on **user-friendliness**, MOBOTIX systems are designed for **easy integration into the existing infrastructure** while offering first-class functions.



Simple implementation

- MOBOTIX systems are designed to be particularly **easy to implement** and integrate seamlessly into an existing infrastructure.
- This **sophisticated design** means the shortest possible changeover times, so that facilities can benefit from MOBOTIX NurseAssist technology almost immediately.
- A **reliable technical support team** is on hand every step of the way to ensure a successful installation for ongoing operations.



Maximizing the return on investment

- Investing in MOBOTIX solutions not only increases security and efficiency, but also brings considerable cost benefits in the long term.
- By optimizing processes while protecting valuable data, MOBOTIX systems help to **reduce operating costs** and **minimize risk**.
- This leads to **long-term savings** and smoother plant operation, which increases the overall return on investment.

MOBOTIX NurseAssist Solution

Advantages of the c71 Smart Sensor





MOBOTIX c71 NurseAssist Smart Sensor – Unique Advantages



Increased security:

Thanks to precise monitoring and immediate alarms, critical incidents can be detected and escalated immediately.



Increasing efficiency in day-to-day care:

Care staff are relieved by automatic notifications and can intervene in a more targeted manner.



Personalized support:

Thanks to the extended status messages, care can be individually tailored to the patient's needs.



Future-proof and expandable:

Integration with existing nurse call systems and the option of integrating other MOBOTIX products make the system flexible and adaptable to future requirements.



5-year guarantee:

The high-quality hardware and software combination is designed to be extremely durable and maintenance-free.



MOBOTIX c71 NurseAssist Smart Sensor – Unique Advantages

**Intercom:**

Possible via integrated high quality audio function (but no recording of audio in the room).

**Easy installation and maintenance of the system:**

No additional computer or data server is required with an existing nurse call system.

**Multi-level data protection concept:**

All alarm functions are also available without display, transmission or recording of video and audio data.

**Optical sensor with seamless 360° all-round vision and intelligent bed detection:**

Only one Smart Sensor per resident's room, position of the bed can be changed at any time (no recalibration).

**More reliable, more efficient and more functional than conventional camber sensors:**

E.g. radar or touch sensors, wristbands or smartwatches, as the MOBOTIX sensor does not need to be worn.

MOBOTIX NurseAssist Solution

**c71 Smart Sensor with
Extended License (optional)**



MOBOTIX NurseAssist Sensor – **Standard Functions**



Fall detected: Detects within 20 seconds if the patient falls.



In bed: Detects a patient lying in bed, regardless of where the bed is located in the room.



Not in bed: Recognizes when the patient leaves the bed but is still in the room.

MOBOTIX NurseAssist Sensor – Additional Functions of the Extended License



Person lying/sitting on the floor: Distinguishes precisely in the alarm message whether a person is sitting or lying on the floor.



Outside the room: Detects whether a person leaves the room.



In bed: Detects a patient lying in bed, regardless of where the bed is located in the room.



Entering the room: Detects whether a person enters the room.



Not in bed: Recognizes when the patient leaves the bed but is still in the room.



In the bathroom: Detects when the patient goes to the toilet and sends a message if they stay there too long.



Sitting on the edge of the bed: Detects within 20 seconds whether the patient is sitting on the edge of the bed.



Bed not detected: Sends an alarm if the bed has been removed from the room or, for example, the c71 sensor is/was covered (active manipulation).



In bed



Leave room



Enter room



In bathroom





No bed



Bed moved



MOBOTIX NurseAssist Solution

Overview of Hardware and Software Modules





MOBOTIX NurseAssist solution – All hardware and software modules

MOBOTIX c71 Kepler NurseAssist Smart Sensor

Superior case detection solution



MOBOTIX c71 Kepler NurseAssist Smart Sensor

incl. Kepler NurseAssist App (Standard) & Extended Demo (90 days)

MOBOTIX c71 Kepler NurseAssist Smart Sensor - Extended License

Additional Prevention alarms



Kepler NurseAssist Extended Plug-in software license

MOBOTIX HUB VMS (L2 and higher) with free Nurse Assist Dashboard Plug-In

Cost-effective and versatile Nurse Call & Reporting System



MOBOTIX Nurse Call & Reporting Software for c71 Kepler NurseAssist Smart Sensors

Status panel for the smart sensors of all rooms incl. patient information, blur slider, user logbook, intercom, patient information;
Activity report with time, duration and frequency of events

Integration into external Nurse Call /Alarm Management System

Alternative to MOBOTIX HUB & Dashboard

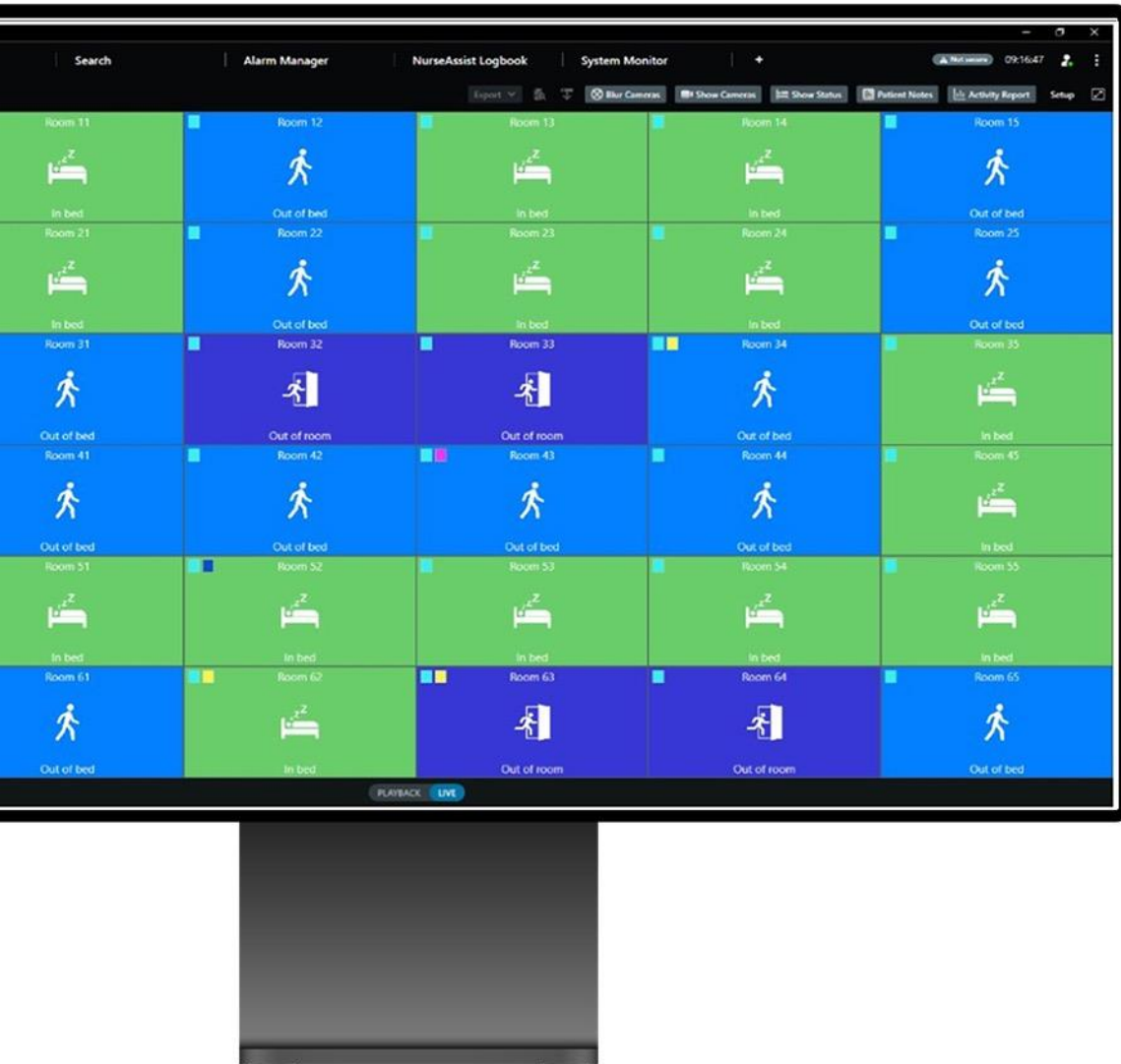


Easy installation and integration of the c71 Smart Sensor into standard systems (e.g. IQ Messenger, Skyresponse) and individual platform solutions thanks to IP technology (MQTT/API).



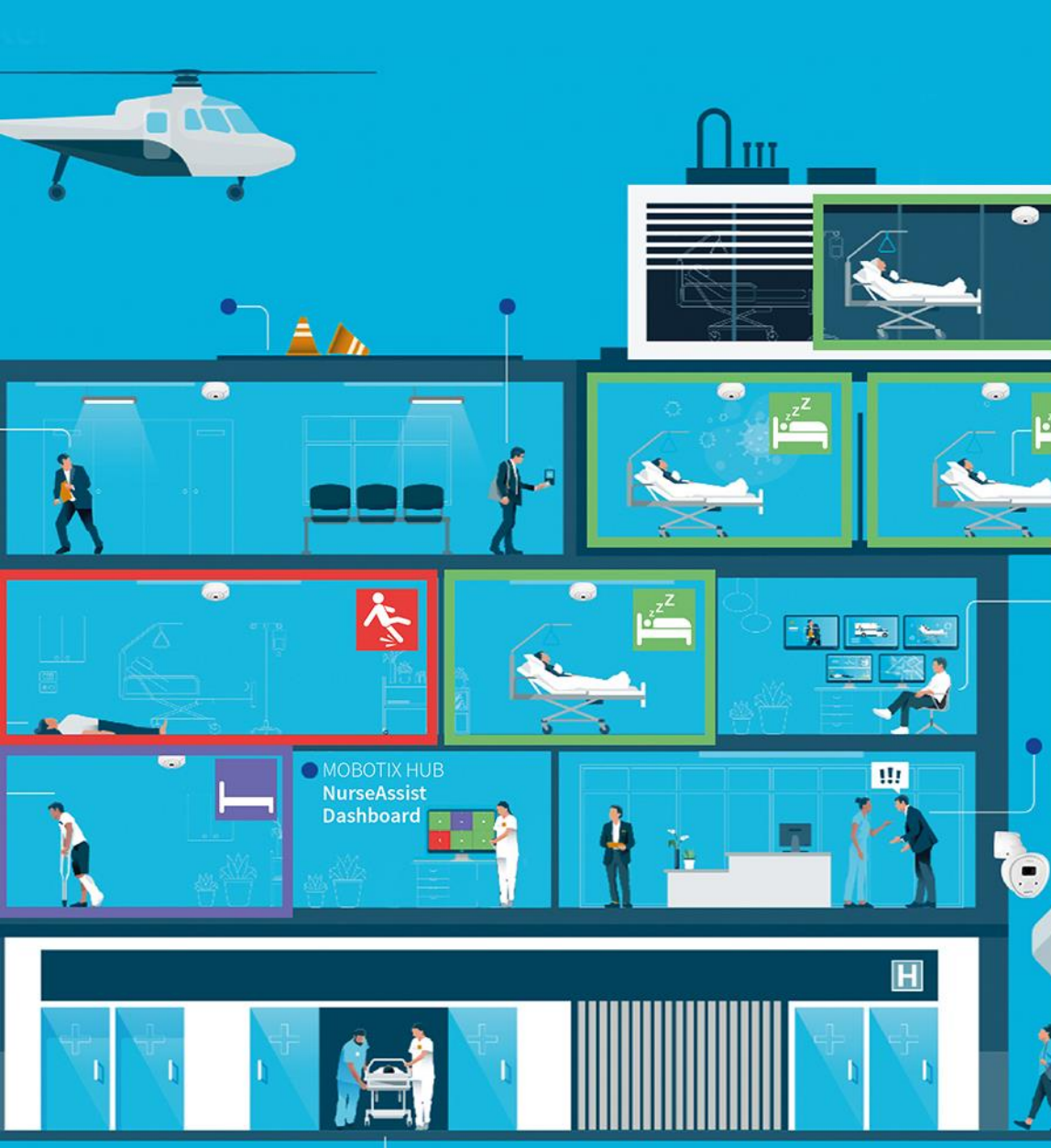
Why MOBOTIX HUB and NurseAssist Dashboard?

- Care facilities that do not yet have an existing nurse call system can benefit considerably from the flexible MOBOTIX HUB solution with the NurseAssist Dashboard plug-in.
- This complete MOBOTIX solution not only offers a **central monitoring and management platform**, but also enables **simple expansion to include a complete video surveillance and access system**.



Advantages of the MOBOTIX HUB solution for facilities without a nurse call system:

- **Centralized control and overview:** All alarms and activities in a single user interface. The MOBOTIX HUB NurseAssist Dashboard plug-in enables nursing staff to monitor all relevant information in real time and react immediately to critical situations.
- **Scalable solution:** The MOBOTIX HUB platform can be expanded with additional smart sensors at any time.
- **Supplement with security cameras and access control system:** Simple integration of classic video surveillance and access control systems.



In addition, MOBOTIX HUB:

- **Recognition of aggression** towards nursing staff
- **Restriction of access** to medical assets
- **Detect blocked helipads** or entrances to the emergency room
- Detecting **incidents in parking lots**
- Identification of **migratory patients**

14:36:38 Thank you for using this trial license to demonstrate or evaluate the HUB video management software. The trial license expires on 07.05.2024. To fully license the product, please contact your reseller or find one on <https://www.mobotix.com/en/vms/mobotix-hub>.

Room 1 IP 41



Out of room



Room 2 IP 37

Entering room

Room 4



Out of room

MOBOTIX NurseAssist solution

AI-based Innovation with exemplary Data Protection





100% data protection and Protection of privacy

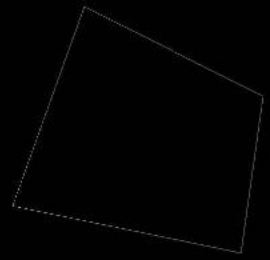
- The MOBOTIX NurseAssist solution also includes the secure **protection of data** and the **privacy of all those involved**. Special display modes and complete emergency detection, even without image transmission and storage, are functions implemented as standard.
- In general, all MOBOTIX solutions are extensively protected by the **Cactus Concept**, which includes data encryption, secure remote access and password protection. In addition, **MOBOTIX uses a privacy-by-design approach** to protect all sensitive data, comply with **HIPAA regulations** and remain **GDPR compliant**.



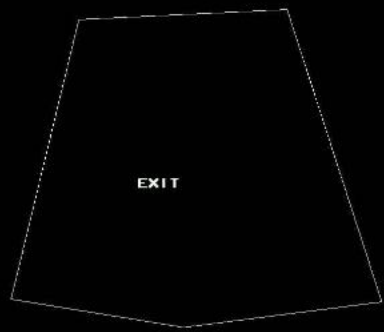




bed



MOBOTIX
Beyond Human Vision



EXIT



MOBOTIX

BeyondHumanVision



What makes MOBOTIX so unique worldwide:

-  **Quality "Made in Germany"**
Simply longer in use
-  **Scalable range of functions**
Simply solution-oriented
-  **Free software updates**
Simply helpful
-  **Lip-synchronized audio**
Simply more value
-  **Genuine decentralized architecture**
Simply the better concept
-  **Leading fire protection solution**
Simply a life and cost saver
-  **Interoperability**
Simply data-oriented
-  **Leading healthcare solution**
Simply relieving
-  **Cybersecurity**
Simply better prepared
-  **MOBOTIX Community**
Simply unbeatable



MOBOTIX

BeyondHumanVision



You can always rely on MOBOTIX!

- Customers around the world trust in the **durability** and **reliability** of MOBOTIX hardware and software.
- The **flexibility** of the solutions, the integrated **intelligence** and the highest level of **data security** are appreciated in many industries.
- **Made in Germany** since 1999.





Any questions? We are here for you:

- **MOBOTIX website:**
<https://www.mobotix.com/de/mobotix-c71-nurseassist>
- **MOBOTIX Community:**
<https://community.mobotix.com>
- **Personal contact DACH region:**
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Thank you very much!

BeyondHuman**Vision**

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