



Introducing 6 S E N S

***Peace-of-mind through patient-movement
IoT sensor support***

By Incoretex GmbH | Aachen, Germany |
www.6sens.eu

The Intelligent Care Sensor System

Every moment in care matters. Whether it is a fall in the bathroom at midnight, a stove left unattended, or a resident who simply has not moved in too long — the stakes are high, and the margin for error is razor-thin. **6SENS** was built to close that gap.

Using secure, radiowave-enabled IoT smart sensors, 6SENS detects abnormalities early and immediately alerts staff and family members — all without requiring a single button press. The result is faster assistance, better-informed responders, and measurably less strain on every caregiver involved.

 Care professional monitoring elderly patient remotely using smart technology

Who It Serves	Where It Works	How It Works
Care facilities, home care agencies, and families of people at risk	Care homes, assisted living, private residences — wherever there is a power outlet	Radiowave IoT sensors + All-in-One Hub + secure cloud dashboard & mobile app

6SENS is a product of Incoretex GmbH, a German engineering company with a proven track record across 20+ countries and 30,000+ products sold.

Made in Germany. Built for trust.

What Happens Without 6SENS

Existing emergency response systems were designed for a different era. Panic buttons assume a person can reach them. Alarms assume a person can hear them. And when neither is possible, care professionals are left to respond to crises they never saw coming — with far too little information to act decisively.

Without 6SENS — The Gaps in Today's System

A person falls in the bathroom or from their bed

If a panic button is present **and** pressed: support is notified — but *without any details* about what actually happened

If the panic button is not pressed or not present: **no assistance is provided at all**

In both cases, the current system ultimately fails the patient when it ~~matters most~~

✓ With 6SENS — Emergency Response With Relevant Information

- **Red button pressed:** 6SENS delivers all relevant contextual information to the emergency call centre and response teams — giving a comprehensive situational overview from the very first moment
- **Red button NOT pressed or not available:** The system detects and alerts staff to abnormalities *without any active triggering from the patient*. 6SENS notifies all assigned contacts when a person can no longer call for help
- Completely invisible and automatic — holistic intelligence working silently in the background

"Invisible & automatic, with holistic intelligence!"
— *The 6SENS Design Philosophy*

FEATURED TECHNOLOGY

BedGuard — Smart Bed Monitoring

One of the highest-risk moments in any care setting is the transition in and out of bed. BedGuard, a core 6SENS sensor module, was purpose-built to monitor exactly this — automatically, discreetly, and in real time.

BedGuard: Three Layers of Protection

- **Getting-Out-of-Bed Detection:** BedGuard instantly detects and automatically notifies the 6SENS system when anyone gets out of bed, identifying potentially dangerous situations the moment they arise
- **Unusual Activity:** An alert is generated when a resident has been in bed for an unusually long time in the same position — a key early indicator of distress or deterioration
- **Prolonged Inactivity:** Alerts are triggered when a patient has not gotten up within expected patterns or has not returned to bed, enabling proactive check-ins before a situation escalates

BedGuard operates without cameras or wearables — preserving dignity while delivering round-the-clock peace of mind.

Real-world alert examples powered by 6SENS:

- Patient has fallen in the bathroom
- Stove left on — and the resident did not hear the alarm
- Patient has not returned to bed after getting up
- Immediate automatic alert issued, with optional simultaneous notification to family members

THE ALL-IN-ONE PLATFORM

Technology That Works — Simply and Securely

6SENS brings together all the pieces of modern care intelligence into a single, coherent ecosystem. No complex installation. No dedicated IT infrastructure. No steep learning curve. Just plug in, and the system goes to work.

"IoT without IT!"

— 6SENS Hub: Works anywhere using a power outlet. No internet or Wi-Fi needed.

The 6SENS All-in-One Hub

The 6SENS Hub is the physical heart of the system — a single device that connects all sensors, consolidates all data, and communicates with the dashboard and app. It requires nothing more than a standard power outlet to operate.

 Works Anywhere Requires only a standard power outlet — no structural modifications, no IT setup	 No Installation Required Plug-and-play deployment means the system is live in minutes, not weeks
 No Internet or Wi-Fi Needed Operates via dedicated encrypted radio signals — fully independent of local networks	 Data Protection & Security Encrypted transmission, GDPR-compliant, secure cloud storage. Made in Germany

Complete Sensor Coverage

The 6SENS ecosystem includes a comprehensive suite of sensors, covering every major risk scenario encountered in residential and care settings:

Sensor / Module	What It Monitors
 BedGuard	Getting out of bed, unusual positioning, prolonged inactivity

Sensor / Module	What It Monitors
 RED Emergency Button	Active patient-triggered emergency call
 Fall Detection & GPS	Automatic fall detection with location tracking
 Presence Detection	Occupancy monitoring in key rooms and spaces
 Door Opener / Exit Monitoring	Unauthorised exits, wandering prevention
 Smoke Detector	Smoke and fire risk detection
 CO2 Detection	Air quality and carbon dioxide level monitoring
 Temperature & Humidity	Environmental comfort and risk monitoring
 Water Leak Detection	Flooding and water damage prevention
 Home Help Call	Integrated connection to existing emergency call systems

The Dashboard & App

6SENS securely consolidates crucial data from every sensor through encrypted transmission of dedicated radio signals into a single central platform — accessible at any time, from any device.

- **Real-time detection:** Critical events are identified and reported instantly via the app and dashboard
 - **Targeted alerts:** Notifications are routed to the right people — carers, facility managers, or family — with the right level of detail
 - **At-a-glance overview:** All patients, conditions, and open alarms are visible and actionable in a single view
 - **Tangible daily relief:** Removes guesswork and reduces reactive workload across an entire shift
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Three Settings. One Intelligent System.

6SENS is designed to serve every person in the care chain — not just the patient. From frontline nursing staff making split-second decisions, to family members sleeping in a different city, the system delivers the right information to the right person at exactly the right time.

Care Facilities

Care Staff

Identify issues before they become problems. Clear, prioritised alerts and a real-time room-by-room overview enable faster, safer decisions throughout every shift — reducing reactive workload and improving response times.

Facility & Care Service Management

Full transparency regarding risks and daily procedures delivers measurably better care quality, more efficient processes, and noticeable relief for the entire team. Data-backed insights support regulatory compliance and audit readiness.

Patients & Residents

Greater safety and quality of life through early risk detection. Discreet in the background, reliable when it counts — residents experience more independence, knowing support will come the moment it is needed.

Home Care Services

Home Care Agencies

Always up to date, even between visits. Automatic notifications enable targeted prioritisation and more efficient route planning — so every visit goes where it is needed most.

Caregivers

Arrive fully prepared for every visit thanks to real-time insights and quick on-site assessments. Spend less time investigating and more time on what matters most: the people in your care.

People in Need of Care

Live safely and independently at home with smart support that identifies risks early and organises help at exactly the right moment — without surveillance, without cameras, without intrusion.

♥ Families

Safety & Peace-of-Mind

The reassuring knowledge that someone — something — is always looking out for your loved one. Any abnormalities are detected early and reported before anything concerning can develop into a crisis.

Transparency

Know how your loved ones are doing at any time. Clearly, understandably, and without any extra effort on your part. The 6SENS app gives families a real window into daily wellbeing.

Reliable Information Channel

Immediate notification in an emergency. Seamless communication with care providers and emergency services ensures fast, coordinated assistance — no delays, no confusion, no gaps.

"All patients, conditions, and alarms — available and actionable at a glance, enabling quick, correct decisions and providing tangible relief throughout the entire daily routine."

— 6SENS Platform Promise

THE COMPANY BEHIND 6SENS

About Incoretex GmbH

6SENS is developed and maintained by Incoretex GmbH — a multidisciplinary engineering company headquartered in Aachen, Germany, at the heart of Europe's most innovation-dense technology region. Founded in 2019, Incoretex has rapidly grown into a trusted partner for complex IoT, sensor, and data science challenges across the public and private sectors.

With deep roots in RWTH Aachen University's engineering ecosystem, and partnerships spanning leading names in retail, mobility, education, and infrastructure, Incoretex brings institutional-grade rigour to every product it ships.

Incoretex at a Glance

2019 Founded

35+ Engineering Experts

30,000+ Products Sold

20+ Countries Reached

Core Expertise

- Electronics & Sensor Technology
- IoT Architecture & Infrastructure
- Artificial Intelligence & Data Science
- Embedded Systems & Connectivity

Trusted Partners

REWE | Emma | Deutsche Bahn | TU München | KETTLER | PHYWE | RWTH Aachen University

Security, Privacy & Compliance

6SENS is architected from the ground up to meet the highest European standards for data protection and patient privacy.

Principle	How 6SENS Delivers It
Data Encryption	All sensor data is transmitted via encrypted, dedicated radio signals — never over unsecured public networks
No Internet Dependency	The Hub operates independently of local Wi-Fi or internet connectivity, eliminating network-based vulnerabilities
GDPR Alignment	Data is processed and stored in compliance with EU data protection regulations — no cameras, no biometrics
Made in Germany	Hardware, software, and data infrastructure designed and quality-assured in Germany under German engineering standards
No Wearables Required	Patients are never required to wear a device — dignity and comfort are preserved at all times

Ready to Bring 6SENS to Your Care Setting?

Whether you are a care facility director evaluating your next technology investment, a home care agency looking to improve team efficiency, or a family seeking genuine peace of mind — the 6SENS team is ready to walk you through a personalised demonstration.

Reach out today. The first conversation is always free, and always focused on your specific needs.

Contact Us

Contact	Dr.-Ing. Martin Riebe, Incoretex GmbH
Email (Direct)	riebe@incoretex.de
Email (General)	info@6sens.eu
Phone	+49 1577 4511677
Website	www.6sens.eu
Headquarters	Aachen, Germany

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