

Digital Angel™

RADAR

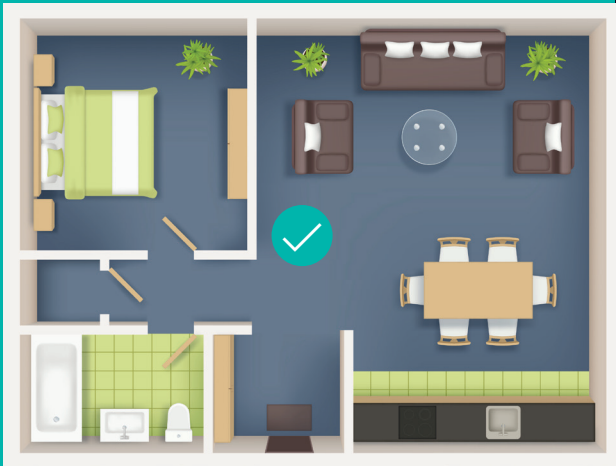


Falls Detection Technology Comparison

	Alpha Global Radar Solution	Other Radar	Legacy Device
Falls Detection	✓	✓	✓
Falls Prevention	✓	Limited	No
Falls Analytics	✓	Limited	No
ADL Analytics - daily routines	✓	No	No
Gait Analytics - falls prediction, detection of changes	✓	No	No
Area Coverage	40 Sqm	15 Sqm	5 Sqm
See Through the Walls	✓	No	No
ML and AI Analytics - near Zero false alerts rate	✓	No	No
Smart Notifications	✓	✓	No
Respiratory Rate	✓	No	No
Heart Rate Monitoring	✓	No	No
Sleep Review Analytics	✓	No	No
Secondary Alerts - long laying on the floor, seating in bed	✓	No	No
Full Dashboard with Analytics	✓	Third Party	Third Party
iOS and Android App	✓	Third Party	✓
Integrate with Nurse Call Solution	✓	Limited	No
Visitor Numbers	✓	Limited	No
Chair Alerts	✓	No	No

Less Sensors, More Care

Alpha Global Radar Solution



- One device covers the entire room/bathroom
- Discreet recessed model
- Ability to monitor activity levels
- High accuracy levels
- Ability to integrate with other solutions

Other Systems



- Increased quantity of sensors per room
- Sensors placed around the room
- Limited ability to monitor activity levels
- High rate of false positives

Overview

Alpha Global Radar Solution

- Movement
- Gait
- Precise location
- Respiratory
- Heart rate
- Sleep analysis
- Falls detection
- Entire room

Alpha Global Radar Solution Devices

- Can detect falls from Floorline bed
- Detection is not affected by air mattress operation (incl. respiratory & heart rate)
- No interference from ceiling fans, ceiling lift, or A/C units
- 100% Non Invasive (No Cameras or wearables)

Other Radar

- Movement
- Falls detection
- Separate devices must be installed in each room and bathroom
- Wall Placement
- Battery operated in some cases

Add on sensors to match Alpha Global Radar Solution capabilities

- Sleep monitor - in bed
- Respiratory & heart rate monitor
- Additional movement sensors for precise location

Noticing Gradual Changes

Daily living activity analysis advanced sleep monitoring

Daily Living Activity

- **Physical Activity:**
4x Activity Levels
- **Home Usage:**
Rooms occupancy,
Trajectories
- **Gait Analysis:**
Walking distance, speed
and profile



Night Sleep

Sleep Review Analytics:

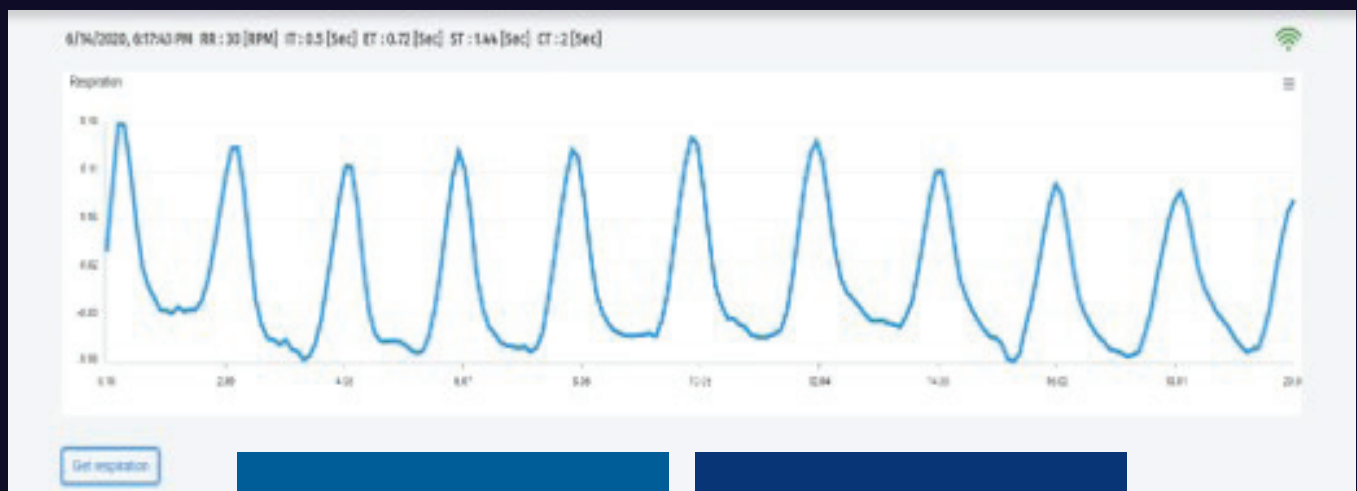
- Respiration Monitoring
- Out of Bed Detection
- Sleep Monitoring



Respiration Monitoring

Accurate respiration parameters extraction

Advanced and patented analysis approach



PARAMETERS

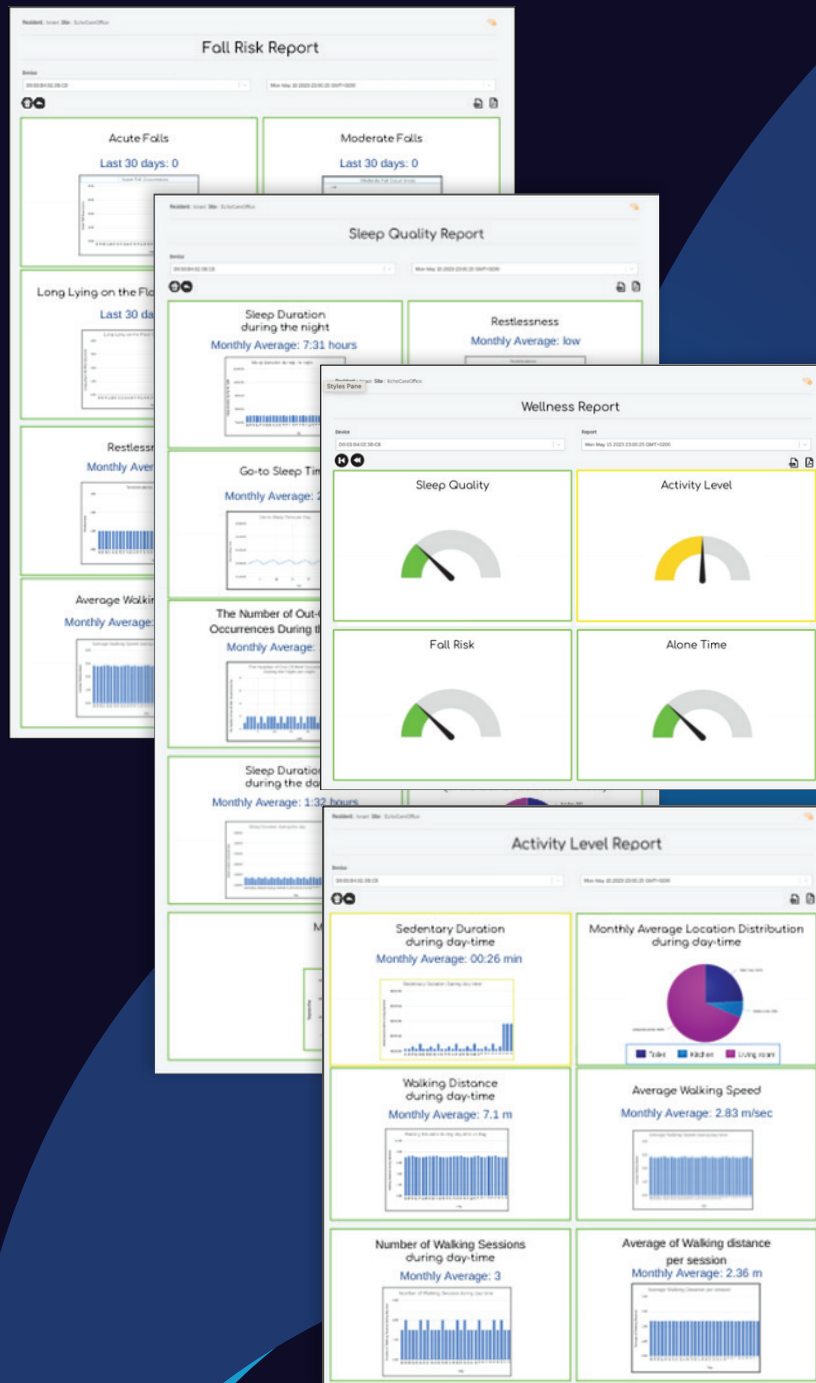
- Respiration Rate
- Inhale/Exhale Time
- Stop Time

ABNORMAL CASES DETECTION

- Hyperventilation
- Apnea

Smart Dashboard

Included in your subscription and can be integrated with EHR and nurse call via API



Validated Proprietary Technology

With strong IP portfolio that includes 6 issued patents, Alpha Global Radar Solution leads the category with unique validated proprietary technology.

Alpha Global developed industry leading RF based system that enables monitoring 5 body Indicators constantly measured followed by AI & ML Engines.



Location



Posture



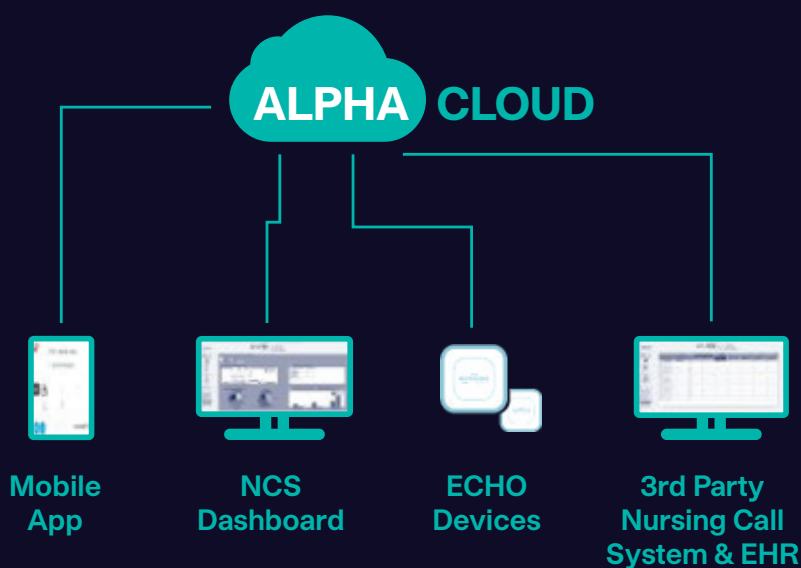
Motion



Respiration



Heart Rate



ALPHA CLOUD INCLUDES

- Access to healthcare professional
- API for other operators' NCS
- Remote SW update and new services
- Big Data analytics

How it Works

4 BODY INDICATORS CONSTANTLY MEASURED:



Location



Posture



Motion



Respiration

THE DETECTION PROCESS:

RF Interferometer (RADAR)



Extracting Body Indications



Human States Classifier



Cognitive Situation Analysis (AI, ML)



WiFi Communication



Cloud / Dashboard



Alert Given

We look
forward to
working
with you!



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