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PRODUCT BROCHURE

# Digital Angel Radar

Alpha Lifecare 

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CARING FURTHER  
[ALPHALIFECARE.COM.AU](http://ALPHALIFECARE.COM.AU)



# Falls Detection Technology Comparison

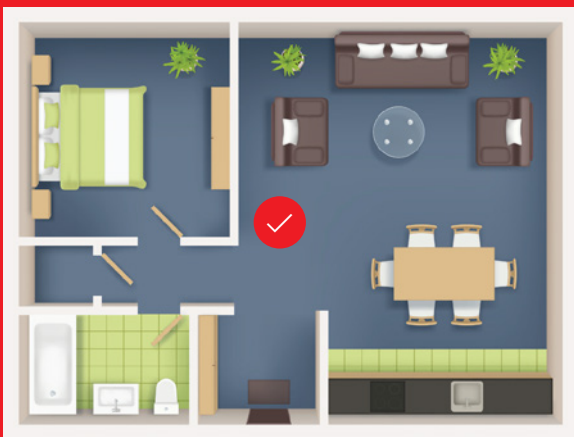


	Alpha Lifecare Radar Solution	Other Radar	Legacy Device
Falls Detection	✓	✓	✓
Falls Prevention	✓	Limited	No
Falls Analytics	✓	Limited	No
ADL Analytics - daily routines	✓	No	No
Gait Analytics - falls prediction, detection of changes	✓	No	No
Area Coverage	40 Sqm	15 Sqm	5 Sqm
See Through the Walls	✓	No	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 Lifecare 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



## Alpha Lifecare Radar Solution

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

## Alpha Lifecare 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

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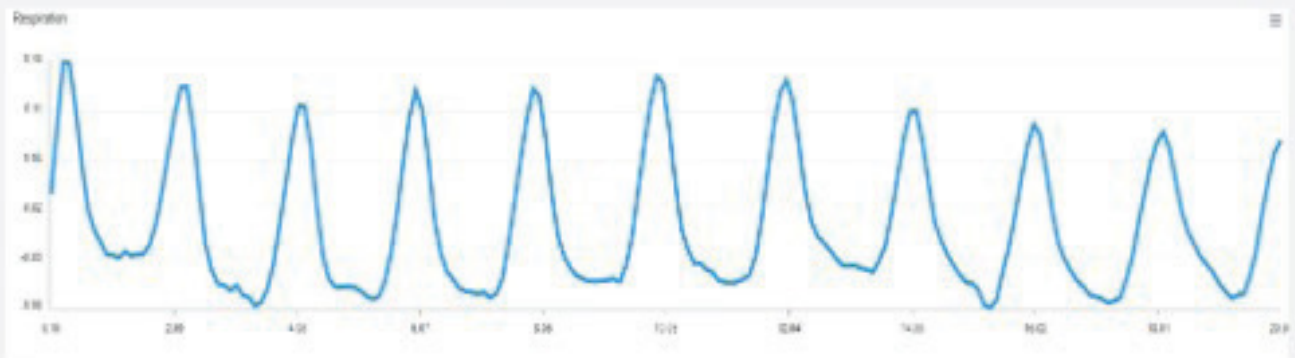
# Respiration Monitoring



## ACCURATE RESPIRATION PARAMETERS EXTRACTION

Advanced and patented analysis approach

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### Parameters

- Respiration Rate
- Inhale/Exhale Time
- Stop Time

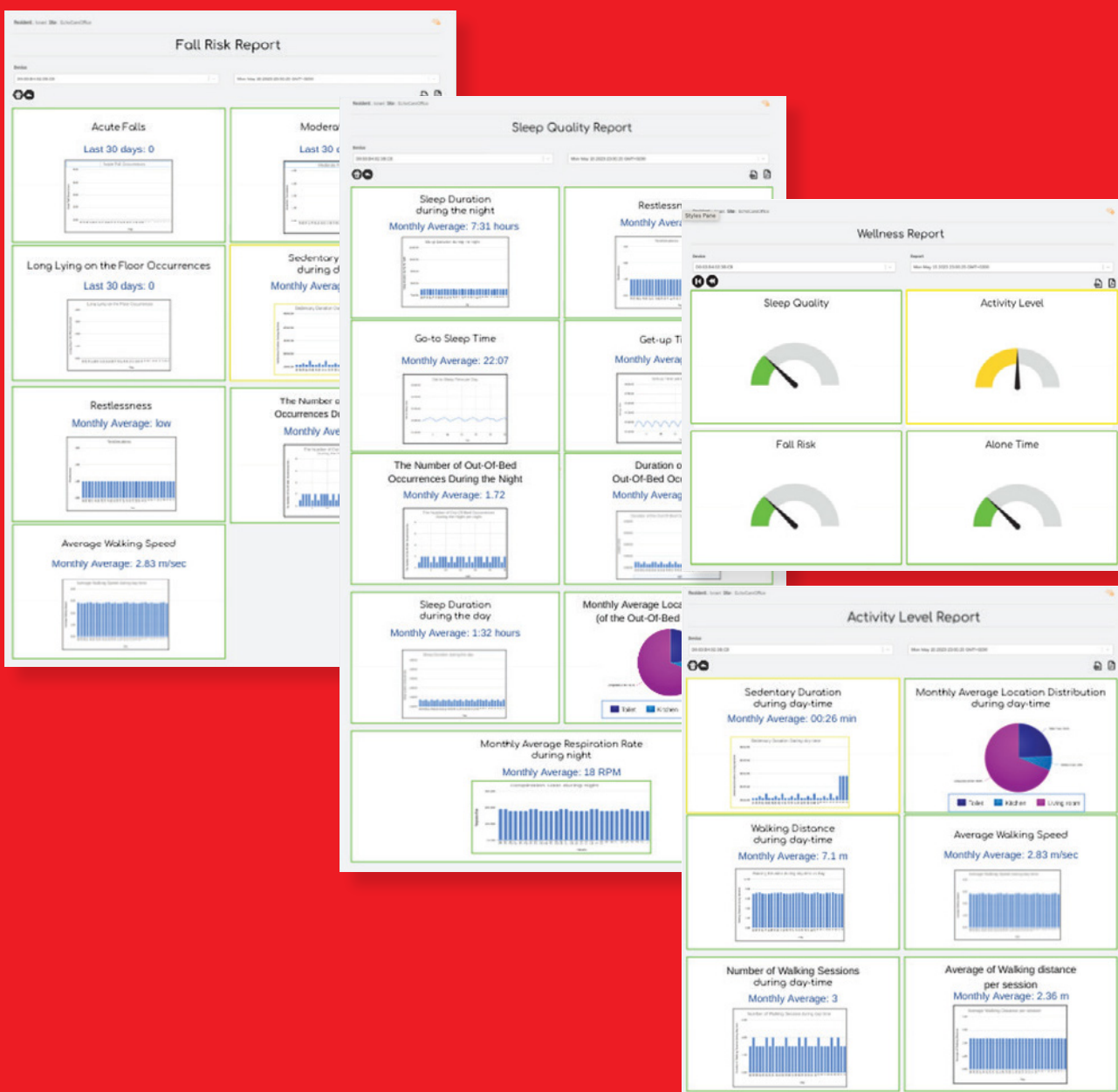
### Abnormal Cases Detection

- 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 Lifecare Radar Solution leads the category with unique validated proprietary technology.

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



Location



Posture



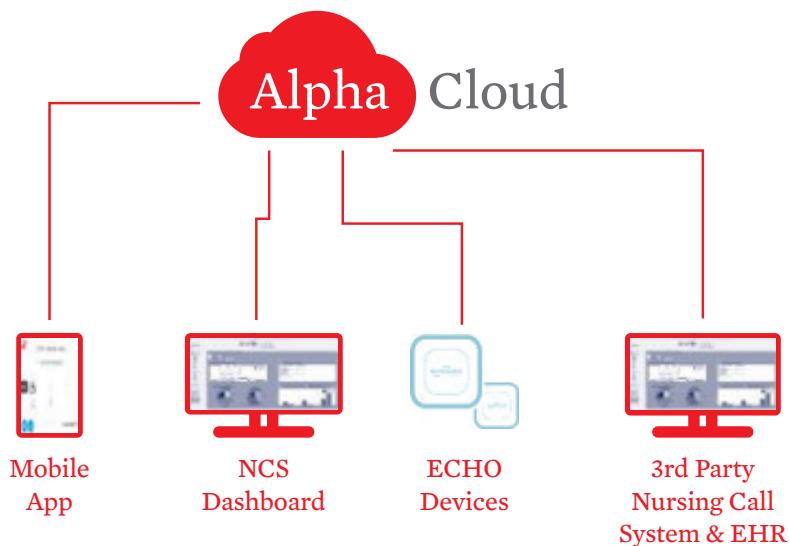
Motion



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)



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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