Delivering what customer's demand

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Vayyar Home

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Assisted Living & Healthcare has been hit hard by COVID-19

- Occupancy rates remain low in care facilities
- Ongoing staffing shortages in the care sector
- Isolation and new challenges
- New Covid regulations

Rapid response is crucial

33%

Of falls result in long lies of over an hour

50%

The percentage of people who limit or exclude themselves from social or physical activities after a fall because of the psychological toll

6 months

The average lifespan for the 1 in 4 elderly people who fall and sustain a hip fracture - which is a quarter of all falls

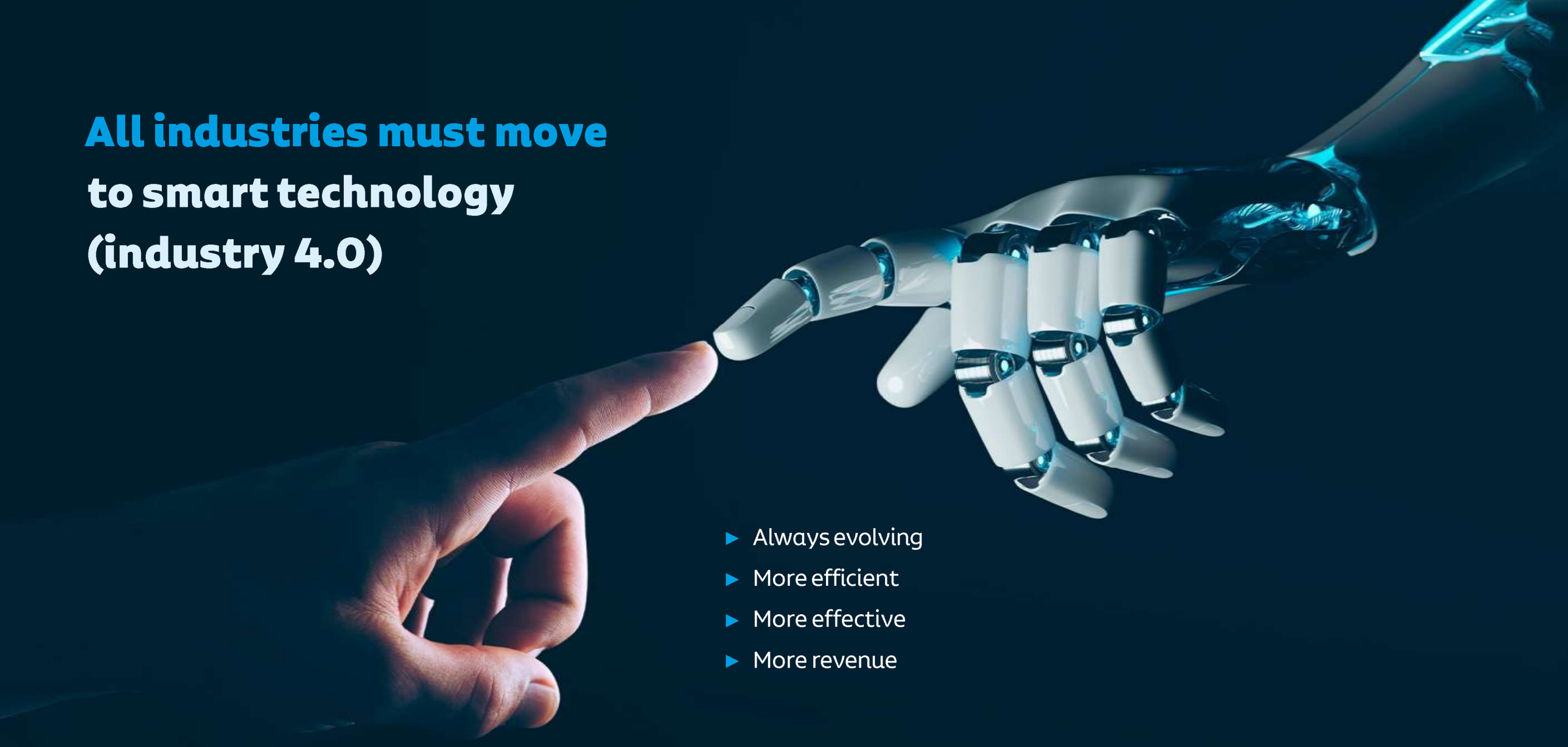
Identifying hidden falls enables predictive care

2 out of 3 falls are hidden

Existing Fall detection and Telecare solutions limitations

- **Wearables.**
  Need to remember to wear them.
- **Button-operated.**
  Requires user input.
- **Stigma.**
  Makes them ‘look old.’
- **Battery-powered.**
  Need to charge.
- **Accuracy.**
  False positives.
- **Low usage rate.**
  80% of owners don’t use during a fall.
- **Market is hungry for something new.**
  But is ready for something simple to sell and easy to use.

All industries must move to smart technology (industry 4.0)



- Always evolving
- More efficient
- More effective
- More revenue

The future is touchless.

No cameras

No buttons/cords

No wearables

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A sensor that has the edge (and everything inside)

Respects privacy

No cameras
No privacy issues

Robust

Unaffected by lighting conditions
Unaffected by steam or humidity

Hassle-free

Simple installation

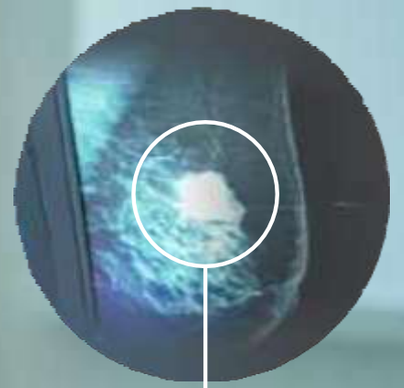
Active learning

Superman vision

Not reliant on line of sight
Embedded installation

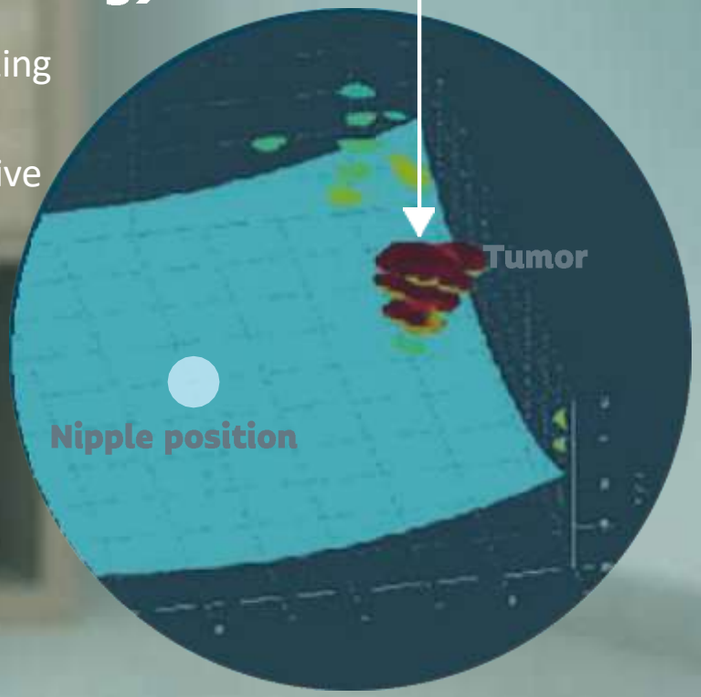
We began by developing a better way to detect breast cancer

Conventional mammography:



Our technology:

- Non ionizing
- Painless
- Inexpensive
- Portable



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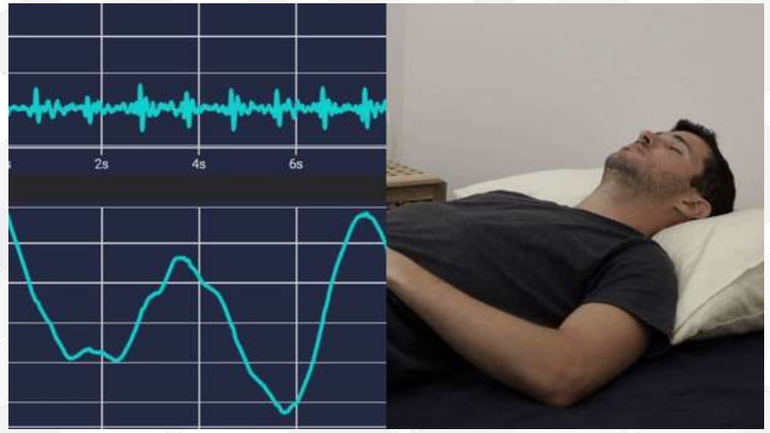
Providing protection from every angle.

Detecting

Classify people and objects and identify adults and children separately.

Monitoring

Measure respiration, heart rate, sleep and gait patterns.

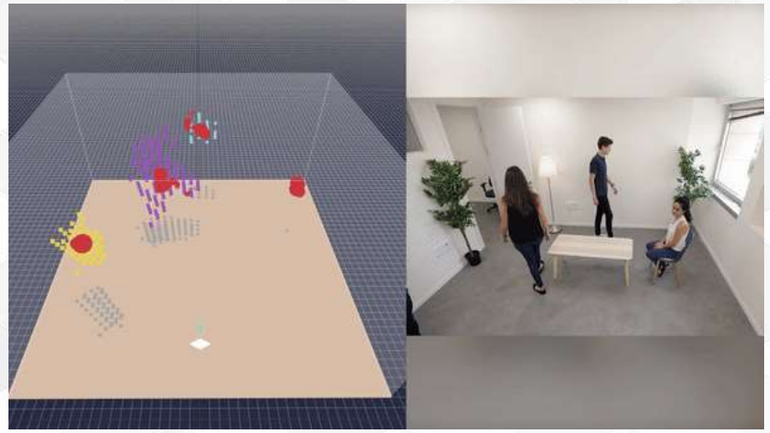


Imaging

Create high-resolution images of concealed objects.

Tracking

Count people and track their movements in real time.



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We found out we can do more...

Healthcare

Retail

Smart Building

Smart home

Security

and more...

Automotive

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Smarter sensors.
Richer data.

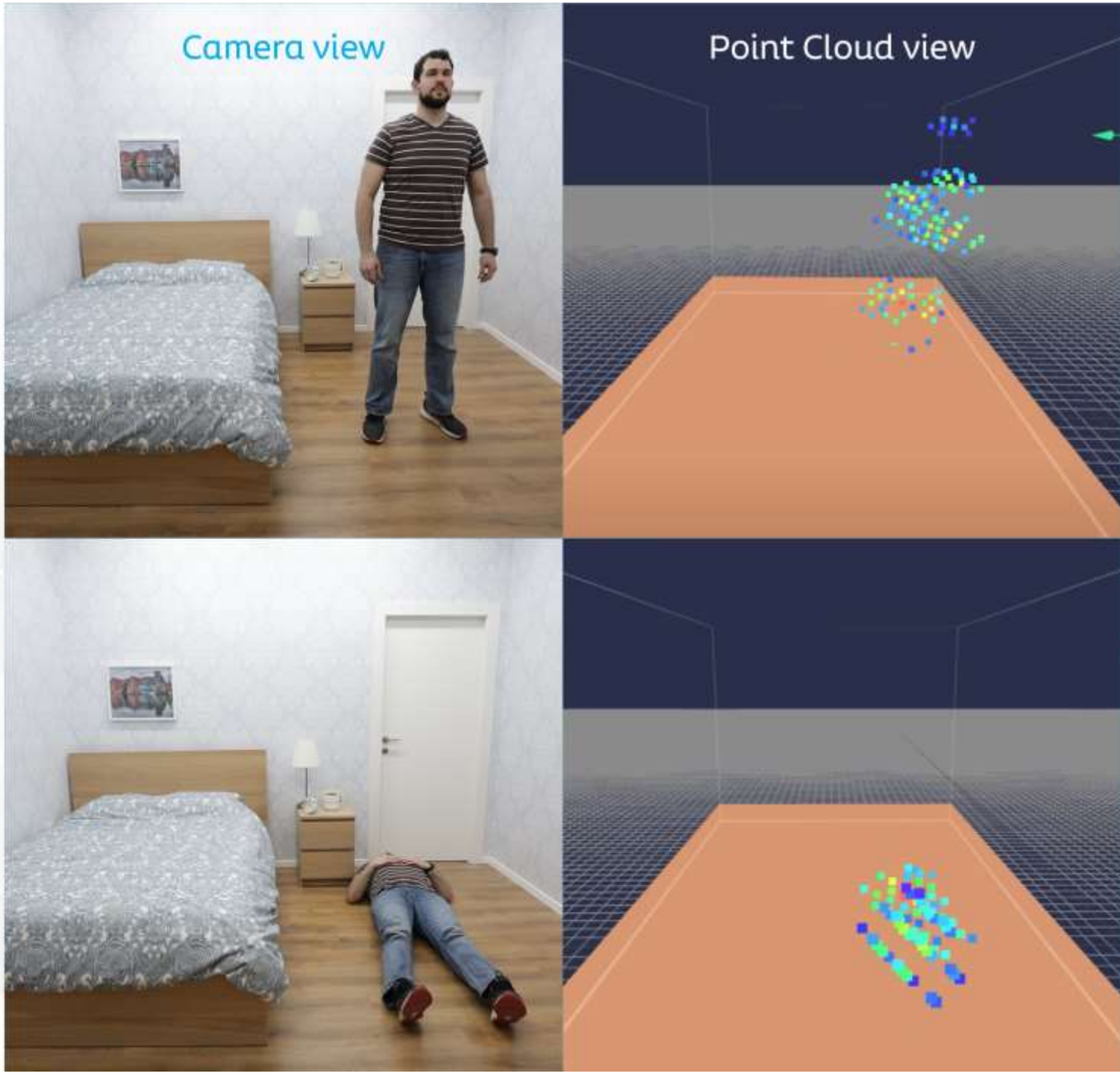
- Real-time fall detection
- Rich activity data collection
- Robust sensing in all conditions
- No cameras - complete privacy
- Unobtrusive installation

Real-time updates and insights

Vayyar Home uses low-power radio frequency waves to generate 4D point cloud imaging.

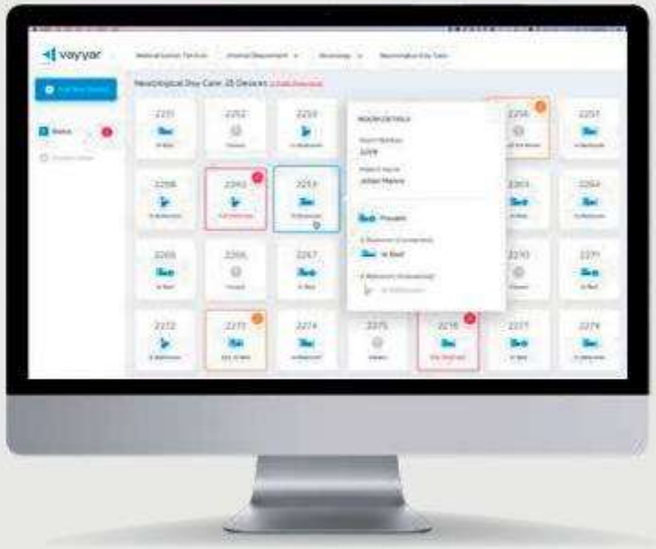
It provides constant monitoring and automatic event notifications - no resident action required.

- Fall alerts: to caregivers / nurse call system
- Room presence: visitors and bathroom visits
- Sub-region presence: bed exits



A real look into how it works

Vayyar HOME



Contactless and private fall detection

- **Private**
  RF based, no optics.
- **Passive**
  No need to wear a pendant.
- **Easily installed**
  No need for a professional.
- **Robust**
  Works in steam, humidity, and all lighting conditions.
- **Real-Time Alerts**
  initiated to caregiver
- **Penetration**
  RF signals pass through obstacles.

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Integration Options – Deployment Stage

Customer's cloud and dashboard

Standalone option

Integrated options

Wi-Fi | **Dry Contact**

Solution Architecture - Deployment

Customer Responsibility

Vayyar Admin Dashboard

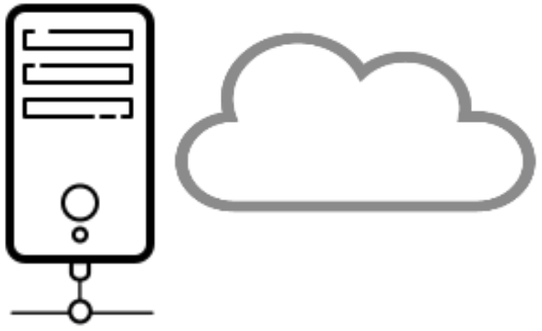
Vayyar cloud

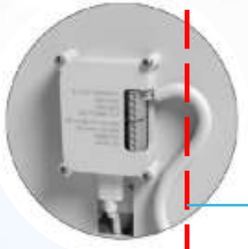
Debug, OTA…

Option 1

Option 2

Customer Server (local/Cloud)





2 Critical Notifications Wired/400MHz/ 900MHz

DAU/Warden call or Nurse call Pendant

Transmitter

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Vayyar integrated with Dispersed alarm Units.

Join the risk-free Vayyar Partner Program
and start leveraging rich data

- Inhouse evaluation
- Full technical support
- Support with local pilots
- Quality marketing collateral
- Comprehensive training
- OTA feature updates

www.vayyarhome.com

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Q & A

Embrace the change.
Evolve your offering.

FEEL FREE.
FEEL SAFE.
FEEL GRAYT.

JOIN THE GRAYT REVOLUTION

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