nobi

Welcome to Nobi

The Smartest Light in the World
for Fall Prevention, Fall Detection & Smart Care

Context
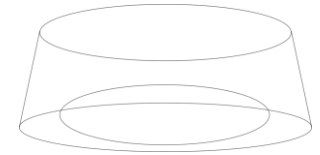
Why are we here?

nobi

Why are we here?

FRONTIER SENIOR LIVING

Burlington Memory Care & Oak Harbor Memory Care
31 units & 25 units

1 year
Internal reporting

- Nobi data: no
- Nobi intervention: no
- Nobi prevention: no

4 weeks – June / July 2024
Nobi Learning

- Nobi data: yes
- Nobi intervention: no
- Nobi prevention: no

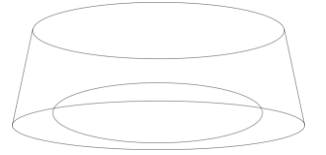### 6 weeks – July / August 2024
Nobi Active

- Nobi data: yes
- Nobi intervention: yes
- Nobi prevention: partial

Benchmark

Results

Why are we here?

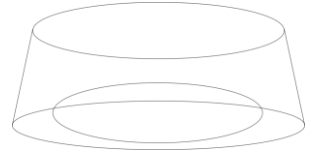|	Unwitnessed falls per 1,000 resident days	Average intervention time per fall	Max intervention time per fall	Long lie > 30 min on floor per 1,000 resident days	Very long lie > 1h on floor per 1,000 resident days
NOBI Learning	**4.2** 34%	**37** minutes	**305** minutes	**5.5** 46%	**4.1** 34%
NOBI Active	**0**	**6** minutes	**15** minutes	**0**	**0**

Team 'Frontier Senior Living' & 'Nobi'

Yes, we can!

Never again another unwitnessed fall

Nobi supports you to ensure 100% detection of falls

Hyper-Fast Intervention Time

Together, we significantly reduce intervention time following a fall.

Never again another long-lie fall

Together, we ensure no resident is left waiting on the ground for hours.

The Result

100%
peace-of-mind for residents, family & staff
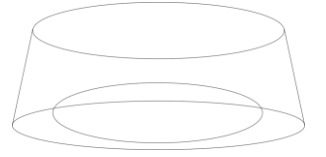
Time Saved
for our busy care staff

Meet Nobi

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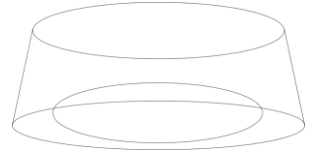Nobi

The smartest light in the world

Fall Detection

Fall Prevention

Smart **Care**

Nobi versus Nobita

Nobi

Nobi Ceiling   Nobi Pendant

- Bedroom & living room
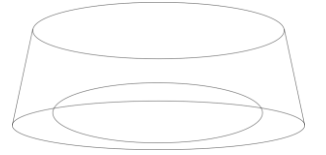- For high ceilings, we use the Nobi Pendant instead of the Nobi Ceiling.

Nobita

- Designed for bathrooms, kitchens, and smaller rooms.
- Delivers the same functionality as Nobi.

Why Optical Sensors?

Compared to radar, **vision-based AI** is the most reliable technology for fall detection and prevention

- **Highly accurate fall detection**
  catches 100% of falls

- **Reduces false alarms**
  staff won't get overwhelmed by unnecessary alerts.

- **Live support during emergencies**
  During a fall, live (but anonymized) images can be streamed to help quickly assess the situation.

- **Fall Prevention Insights**
  Analyzing anonymous visuals of previous falls helps caregivers take steps to prevent future falls.
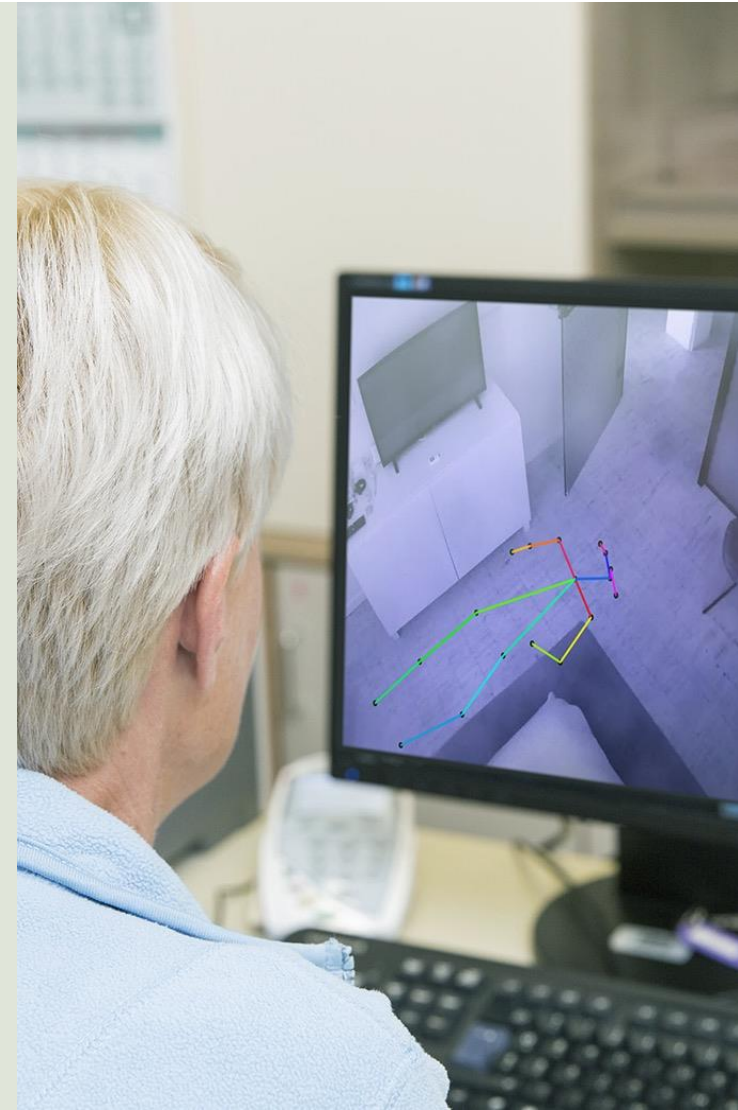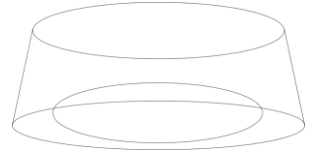
How Nobi works

Fall Detection

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Nobi detects a fall

Alarm via phone call or nurse call system, and via dashboard

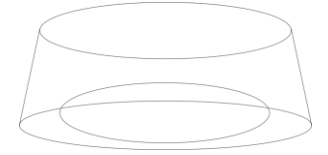Immediate assistance from caregivers

Our loved ones are taken care of

Closing the escalation

Different alerting channels

Care institutions can choose how Nobi alerts caregivers after a fall or panic button press

In addition to notification on the Nobi Dashboard, the following options are available:

Phone

After a fall, Nobi calls/sends a message to care workers on their phones, and according to a cascade system.

0483 ...   0473 ...   0485 ...

Cascade
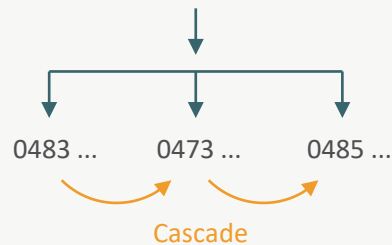
Nurse call system

The way a fall is reported depends on the respective nurse call system.

App

After a fall, employees also receive a push notification in the Nobi app. Notifications are sent simultaneously to all contacts.

Person 1   Person 2   Person 3

Simultaneous communication
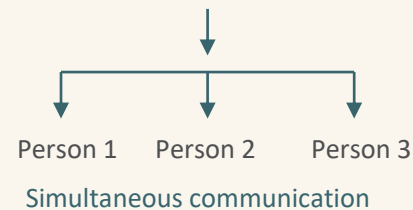
E-mail

After a fall, employees also receive an e-mail. E-mails are sent simultaneously to all contacts.

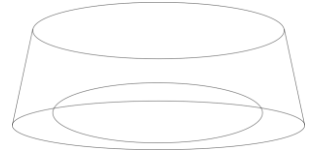xx@xx.om   yy@yy.com   zz@zz.com

Simultaneous communication
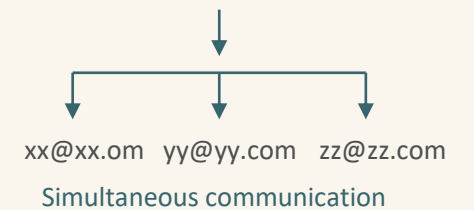
Mandatory choice

Optional choice

Did you know?

2. Nobi also detects slow falls

Nobi also registers slow falls

as it is **not** a motion detection device

So, unlike a smartwatch,

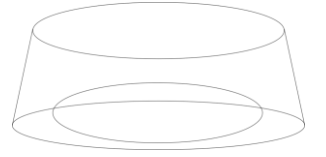the falling speed doesn't matter
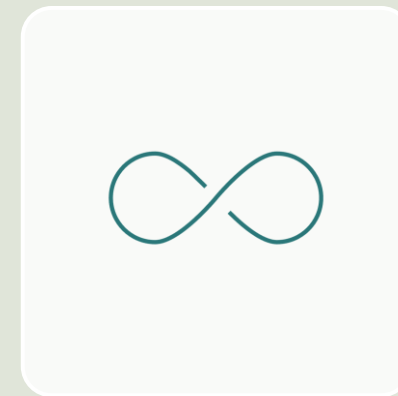
How Nobi works

Fall Prevention

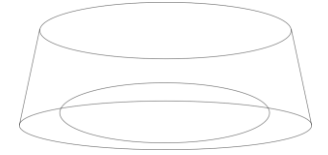nobi

Automated
lighting at night

+

Monitoring
features

+

Fall
analysis

1. Automated Night Light

When waking up during the night, good lighting is key in fall prevention

during sleep
no light

when sitting up
soft light

out of bed
brighter light
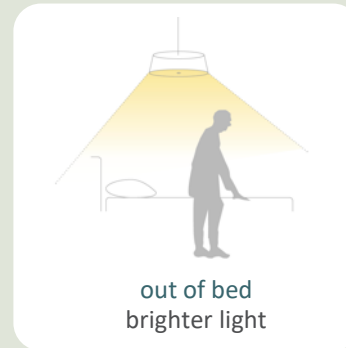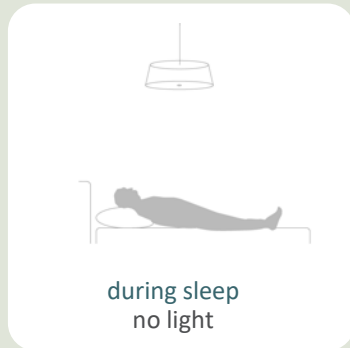
Reduce disorientation
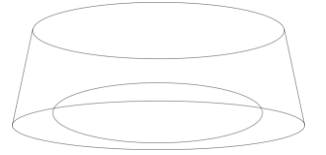
Less intrusive check-ins

Configurable per resident
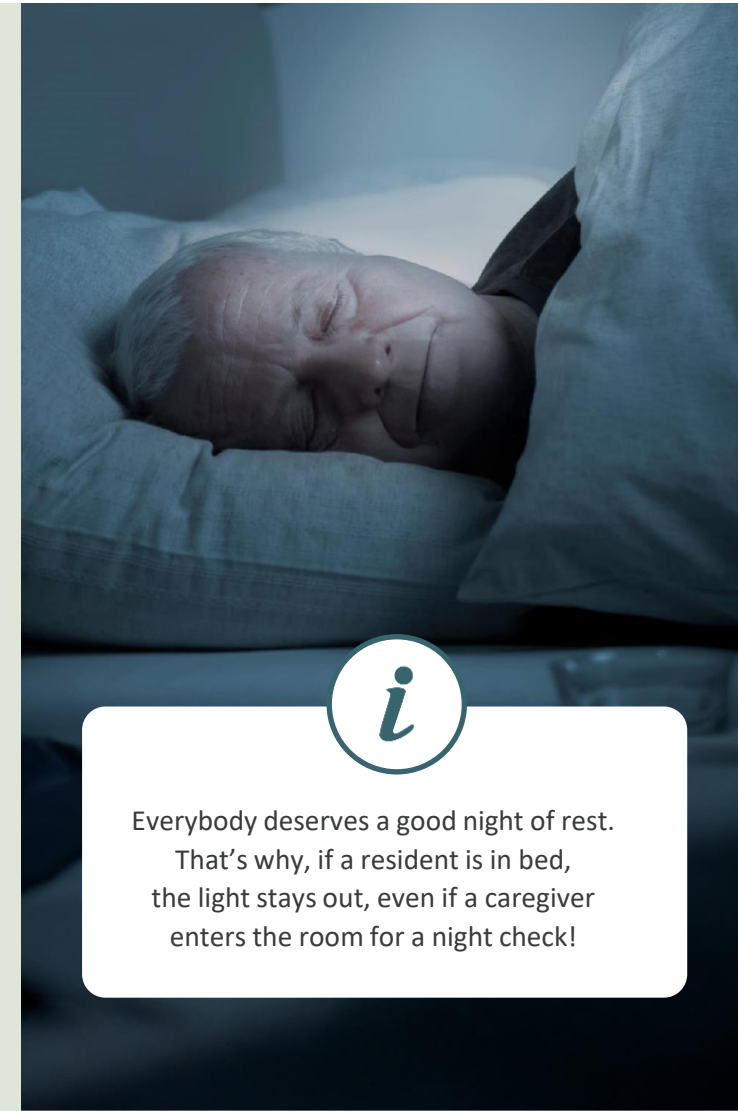
Everybody deserves a good night of rest. That's why, if a resident is in bed, the light stays out, even if a caregiver enters the room for a night check!

2. Monitoring functions

When your resident is in a position with a high fall risk, Nobi notifies caregivers so they can proactively help

These monitoring functions are available:

⚠️

Resident is
sitting on the bed
(for xx minutes)

⚠️

Resident is
out of bed
(for xx minutes)

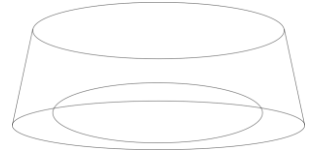⚠️

Resident is
in bathroom
(for xx minutes)

⚠️

No person
detected

Monitoring features can be customized for each resident

depending on their situation, medical condition

You can also configure:

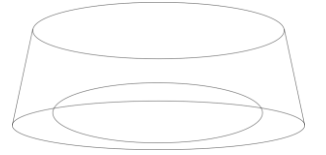| When you want to monitor your resident	After how long you want to receive an alert
(nighttime, after 4PM, …)	(2 minutes, 15 minutes, half an hour)

3. Fall analysis

Understanding the cause of a fall helps to prevent future falls

Nobi provides in-depth insights into falls by capturing the resident's behavior 15 seconds before and 15 seconds after the incident. With accompanying visuals and video, Nobi offers even more detailed context to better understand each fall.
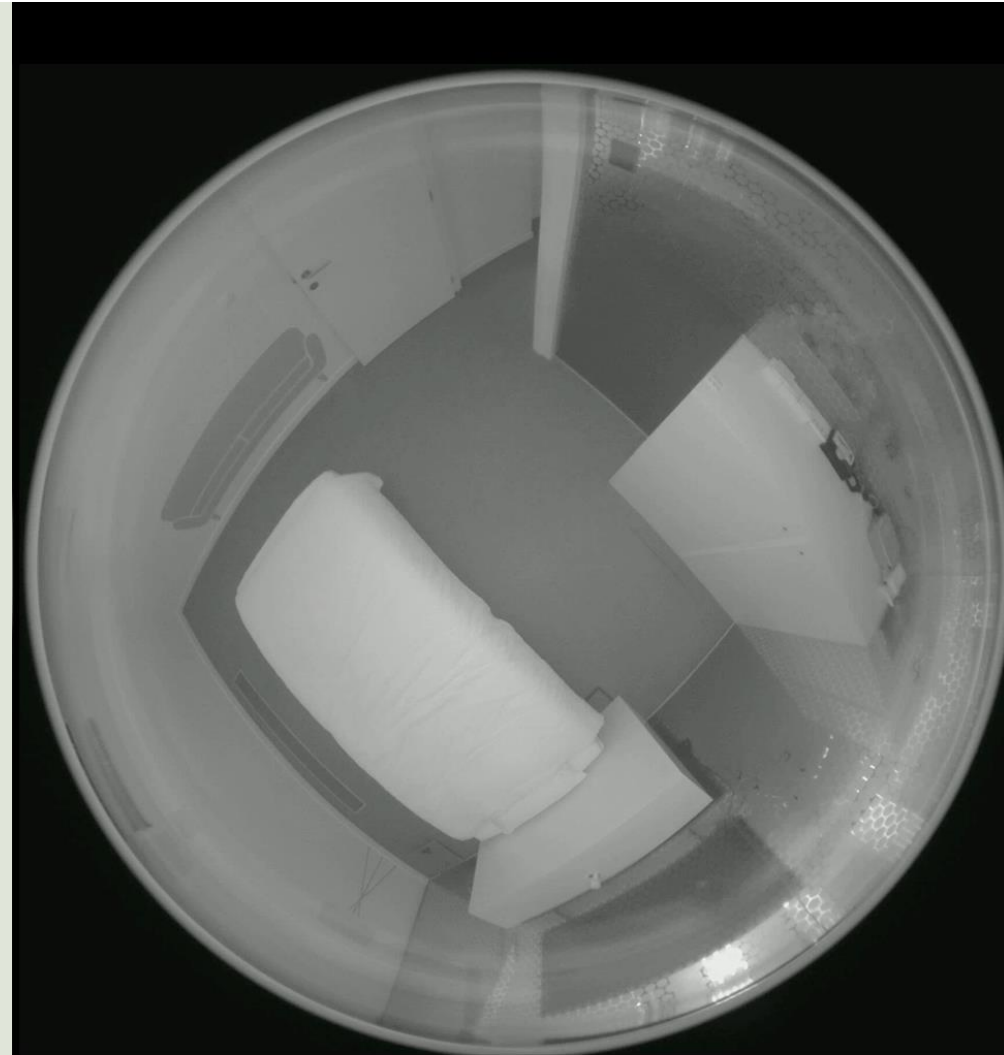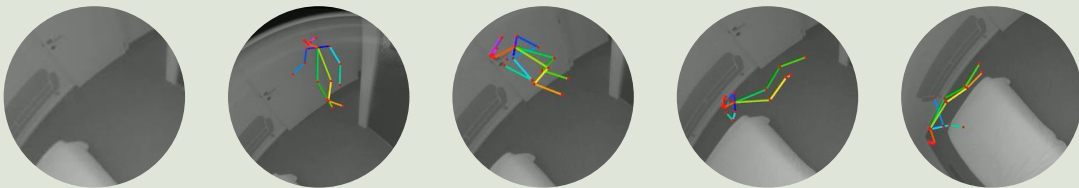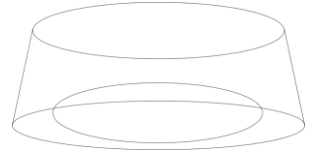
How Nobi works

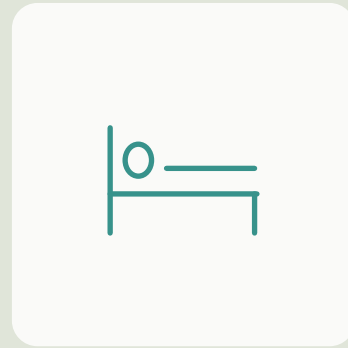Smart Care

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Smart **Care**

Smarter care and more dignified lives

Nobi's feature of delivering insights help you to provide more individualized care and, in some cases, even to identify health issues at an early stage.
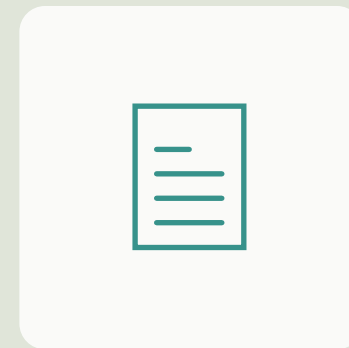
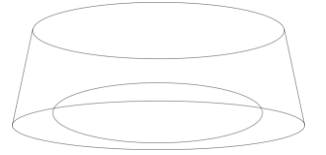Live Check   +   Sleep report   +   Escalation report for fall analysis

1. Live Check: dashboard

In Nobi's dashboard care staff can check the actual situation in each room, 24/7
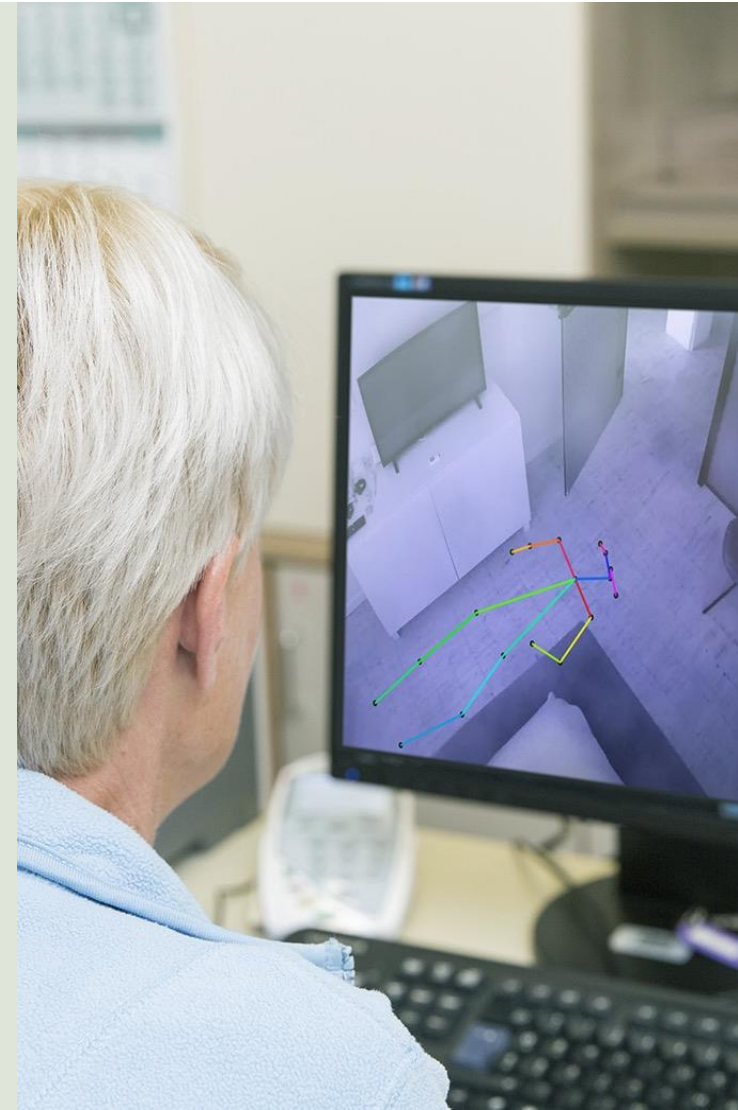
With the resident's consent, you see:

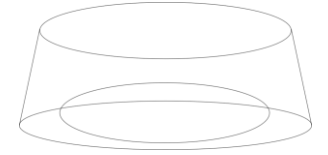| Actual behavior	**Anonymized** stick figure on a fictional background

Non-intrusive check-ins
For example, when residents are sleeping

More dignified living

2. Night reports

Insights into in-bed and out-of-bed behavior

when the resident went to bed	how often the resident left the bed	total time spent in bed throughout the night

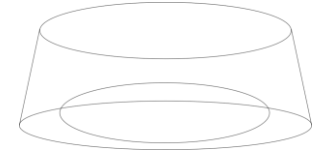7 pm ■ in bed ■ out of bed 11 am

When caregivers notice a resident gets up three or four times each night and already is in bed at 7 PM, they can evaluate this behavior with the care team and search for solutions.

3. Fall analysis reports

This report shows you an overview of the number of fall incidents.

REAL-LIFE SCENARIO - EXAMPLE

Care staff observed a significant number of falls occurring around 6 PM, coinciding with residents preparing for dinner.
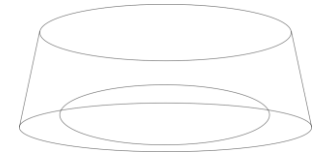
After numerous slipping accidents, it seems that at 6pm it is dark in that part of the hallway. Extra light needs to be provided.

You can use this report over the next six months to assess whether there has been a reduction in falls.

3. Fall analysis reports

100% Privacy

for
Residents   &   for
Care Staff

nobi
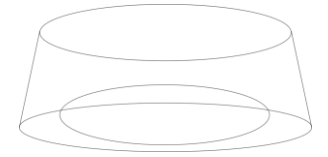
Nobi chose for a strong Nvidia AI processor

that is located within the light itself

The big advantage

Interpretation of images happens locally:
No need to send images to the cloud for AI analysis.

No internet dependency:
When linked with local call systems.

No need for additional cabling:
Every light is processing its own data.

2. Residents are 100% in charge

Before Nobi's smart features are activated, residents or their representatives choose what images can be viewed by care staff to gain more insights into the type of help needed after a fall and what caused the fall.

This way, Nobi helps care workers provide the right
help after a fall and **prevent future falls**

Privacy options

Full image

Anonymized stick figure

No image
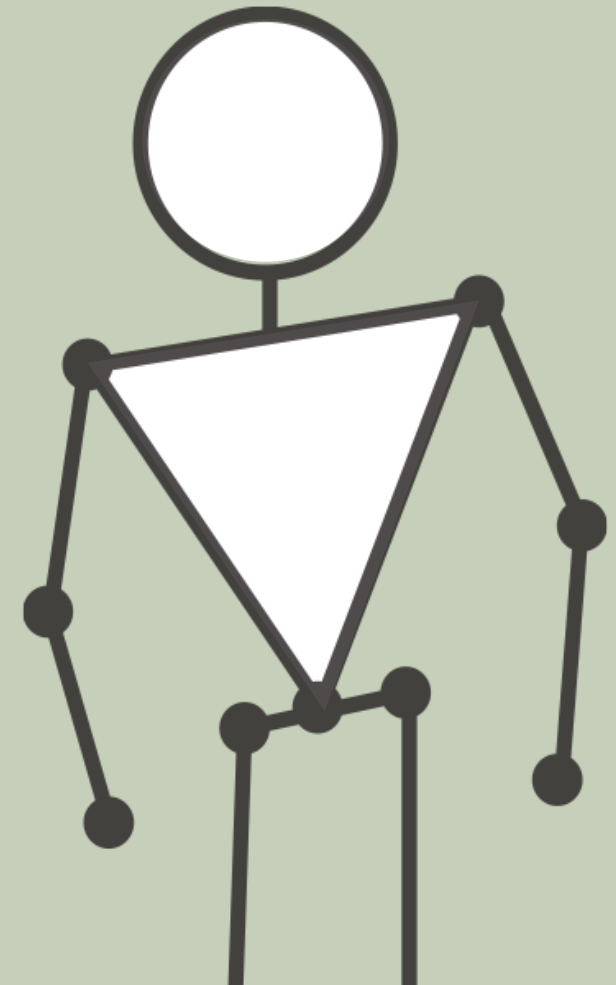
What else is Nobi?

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Meet the Nobi Dashboard
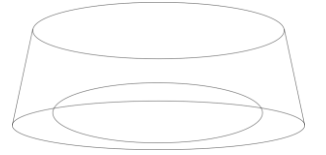
Displays residents requiring attention for caregivers at a glance:
open escalation after a fall, monitoring event,
a technical notification, …
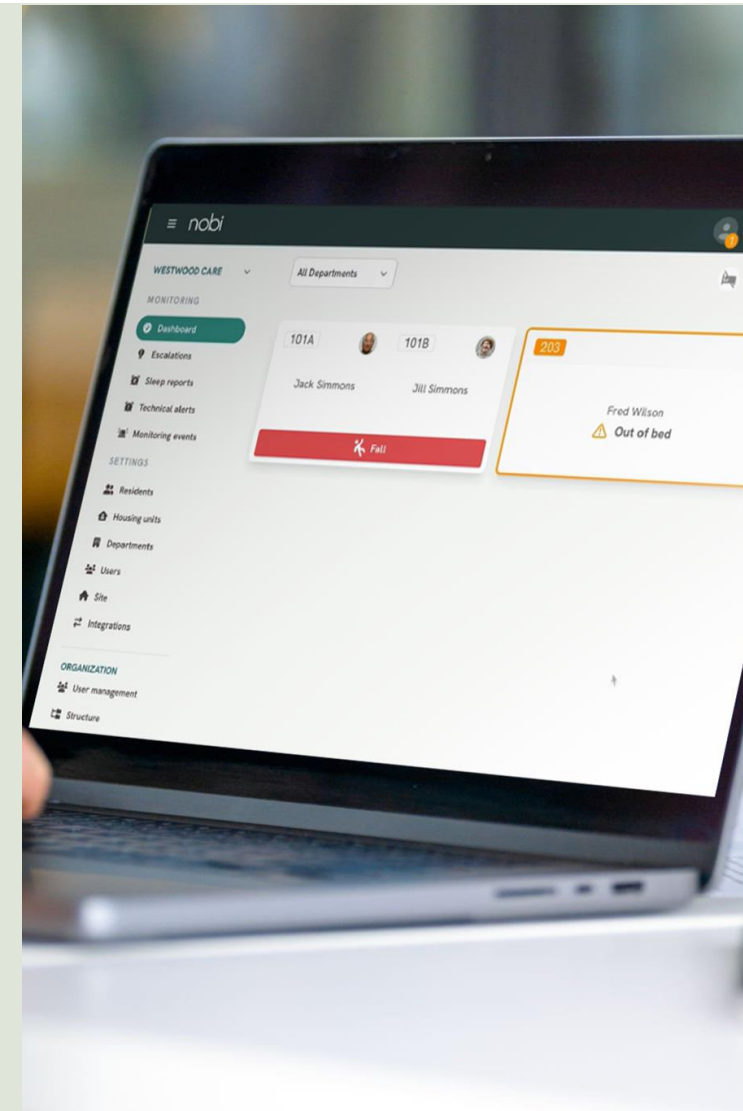
Circadian rhythm
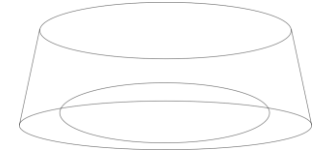
And then, there is also … light

**By following the natural body rhythm,
Nobi's lighting plays a crucial role in the lives and well-being of residents.**

Both brightness and color temperature adjust seamlessly to the time of day.

DAY

NIGHT

WAKE

SLEEP

MELATONIN

What's next?

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What's Next?
Nobi Onboarding Process

Welcome to Nobi

For a smooth implementation process, we go over the agreements made between you and the Nobi salesperson.

Administrator,
Maintenance Director

Online, 0.5h

1

Site walk

During a tour through the building, we will review together what is needed for a smooth installation.

Administrator,
Maintenance Director, IT

At client, 1h

2

Getting to know Nobi

We introduce Nobi and her features to your entire project team.

Administrator,
Maintenance Director,
Nurse Leadership, IT

Online, 2h

3

Shipping

4

Prepare the installation

Nobi briefly summarizes what it takes to smoothly install the smart lights.

Maintenance Director

Online, 0.5h

5

Installation Nobi lights

Maintenance Director, IT

6

Configuration meeting

Together we go over the possibilities in configuring the smart lights.

Administrator,
Maintenance Director,
Nurse Leadership, IT

At client, 2h

7

Prepare fall detection training

Together we will discuss how to best tailor the fall detection training to your team.

Administrator

Online, 0.5h

8

Fall detection training

The team learns how to use Nobi's fall detection.
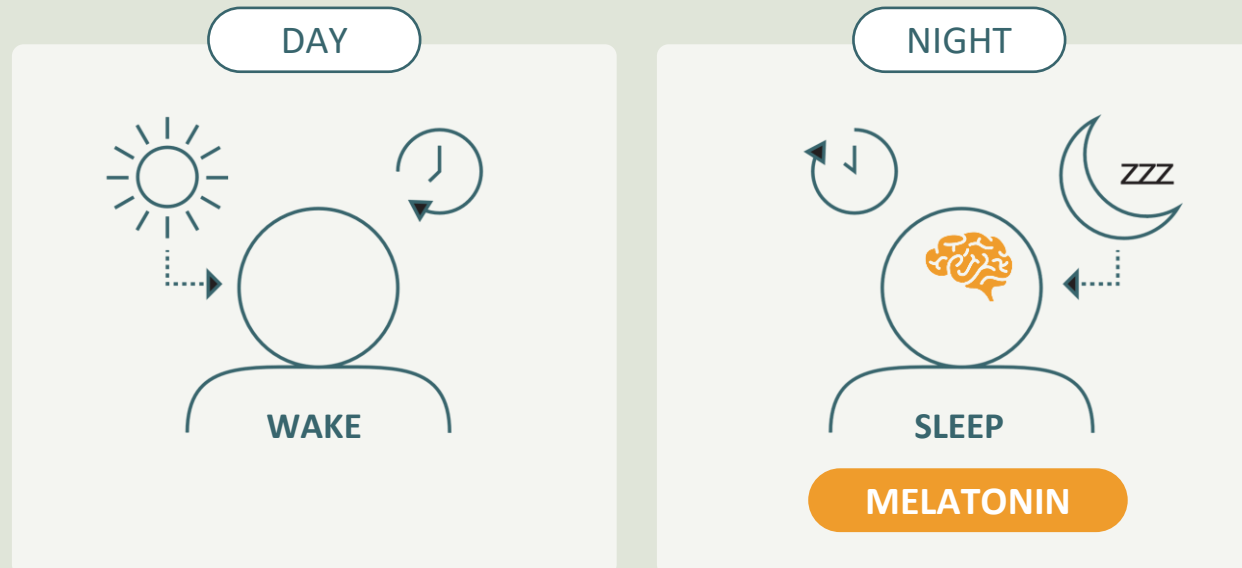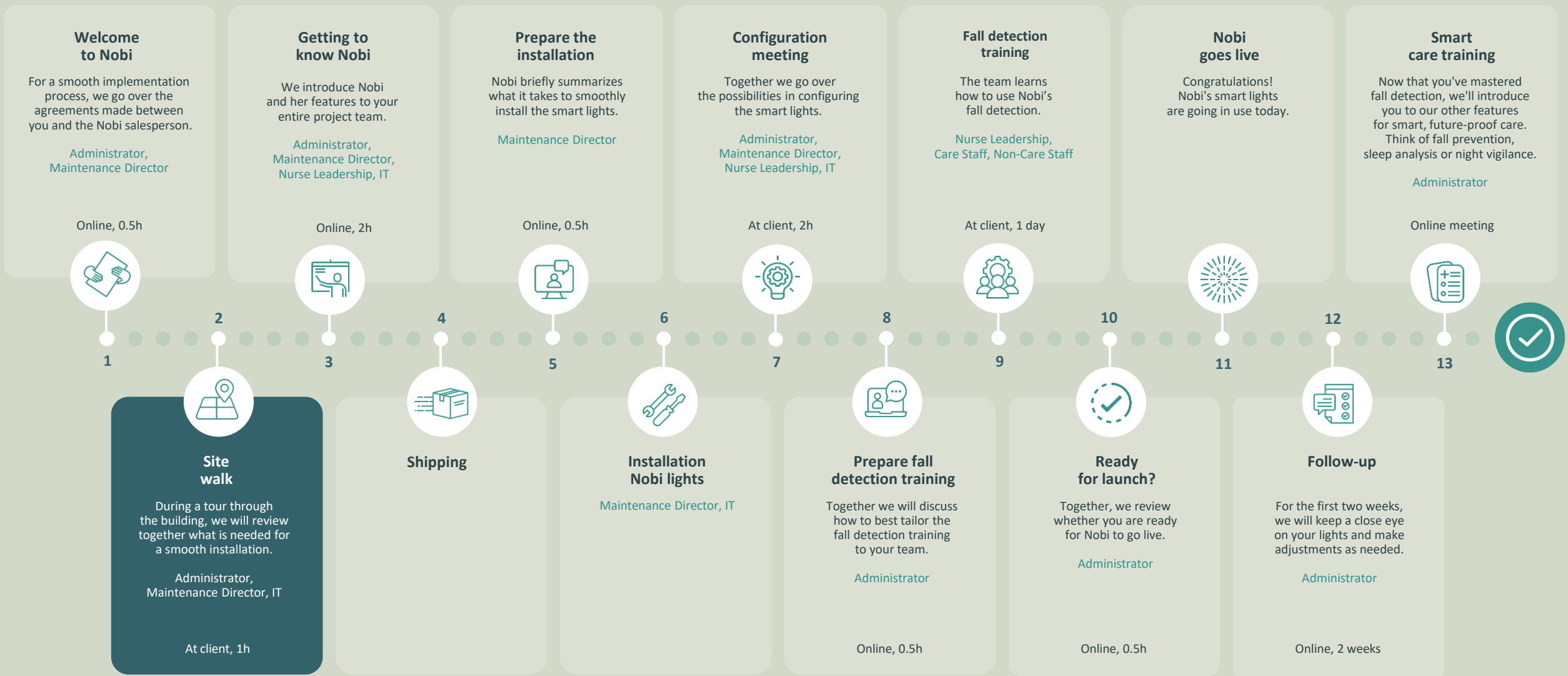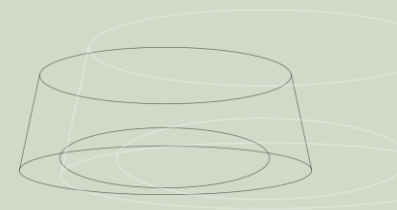
Nurse Leadership,
Care Staff, Non-Care Staff

At client, 1 day

9

Ready for launch?

Together, we review whether you are ready for Nobi to go live.

Administrator

Online, 0.5h

10

Nobi goes live

Congratulations! Nobi's smart lights are going in use today.

11

Follow-up

For the first two weeks, we will keep a close eye on your lights and make adjustments as needed.

Administrator

Online, 2 weeks

12

Smart care training

Now that you've mastered fall detection, we'll introduce you to our other features for smart, future-proof care. Think of fall prevention, sleep analysis or night vigilance.

Administrator

Online meeting

13

Thanks

and take care