Teton Product Suite
Ecosystem Overview

teton.ai

Room Understanding

Teton offers an array of detections available to staff, including the following metrics
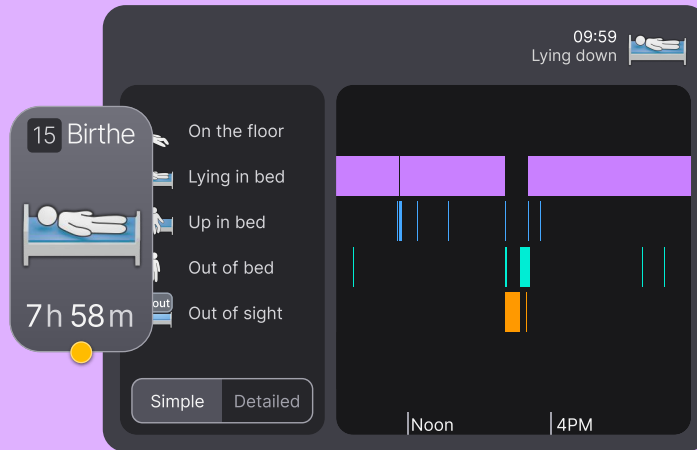
Mobility

Staff Presence

Respiration

Sleep

Gait

Bathroom + Out of Room

🚶 Mobility

Real-time detection of resident states including standing, sitting, lying in bed, sitting on edge of bed, walking speed, and falls. This is available in live and historical views for understanding patterns and changing routines over time.
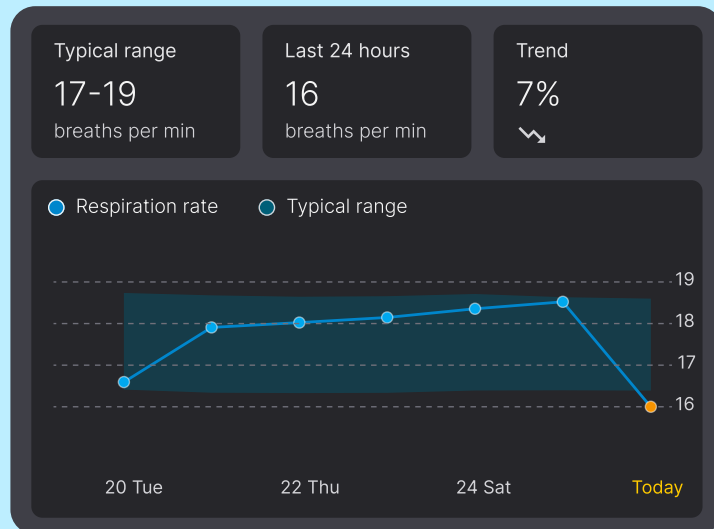

👤 Staff Presence

Automatic detection when care staff enter resident rooms, displayed as green circles on resident cards. Also used to calculate reaction times, and in the leadership workflows to calculate care burden and staffing optimisation.
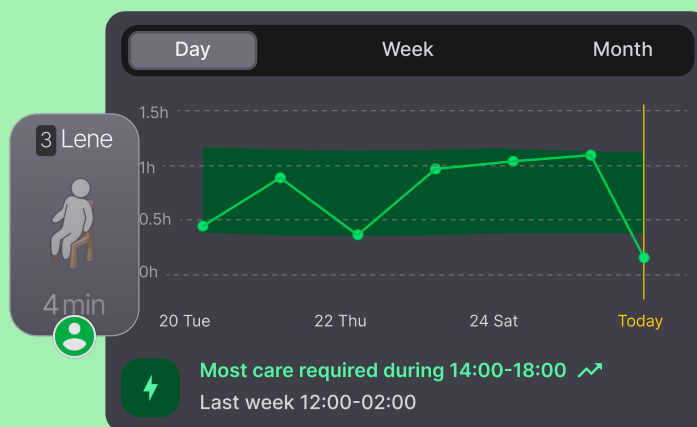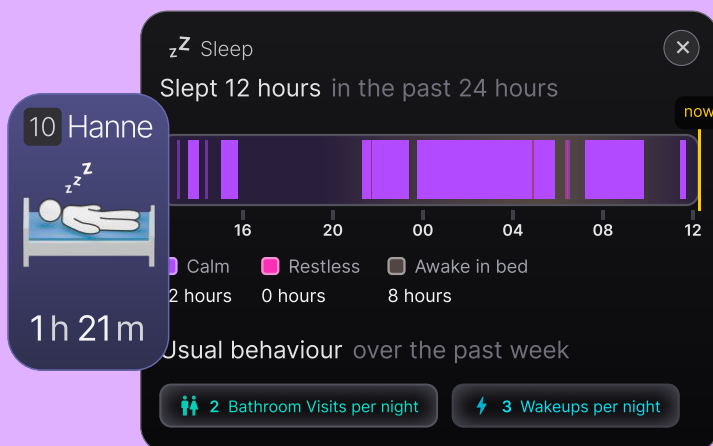
🫁 Respiration

Automated breathing rate monitoring using micro-movement detection. Establishes baseline "normal range" for each resident and flags significant deviations as potential health indicators.
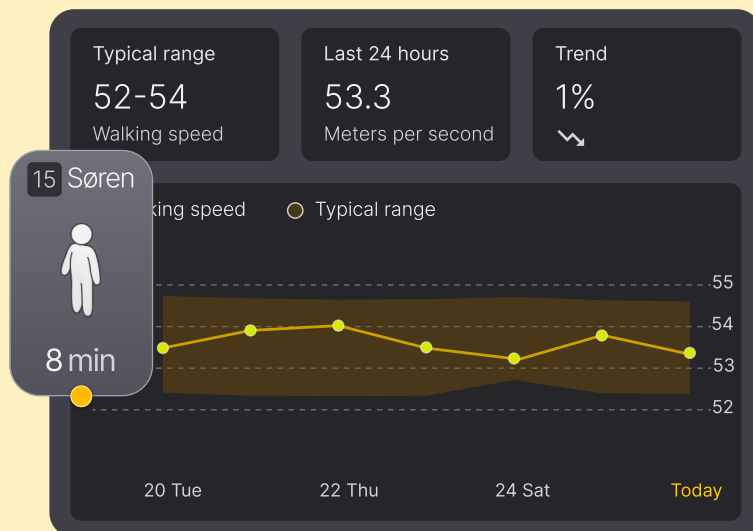
Typical range	Last 24 hours	Trend
17-19	**16**	**7%**
breaths per min	breaths per min	⬊

● Respiration rate ○ Typical range

19
18
17
16

20 Tue   22 Thu   24 Sat   Today

🛏 Sleep

Live detection of sleep using a synthesis of respiration and other movement signals. Easily see changes in sleep routines, wakeups during the night, and times of extended restless sleep.
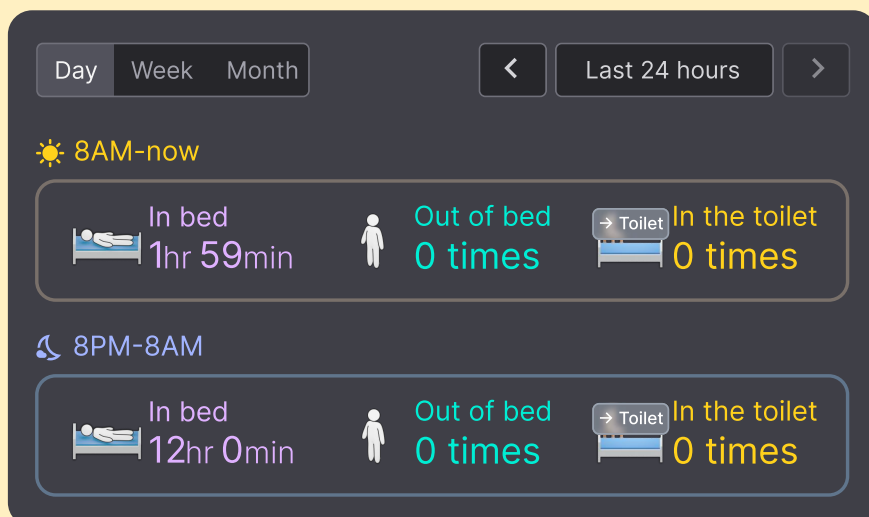
zᶻ Sleep ✕

Slept 12 hours in the past 24 hours

now

10 Hanne

1h 21m

16   20   00   04   08   12

■ Calm   ■ Restless   ☐ Awake in bed
2 hours   0 hours   8 hours

Usual behaviour over the past week

🚻 **2** Bathroom Visits per night   ⚡ **3** Wakeups per night

🚶 Gait

Assess walking patterns in real-time by measuring walking speed. Track changes over time to identify mobility decline, fall risk and rehabilitation progress. Provides objective assessments without requiring wearables or manual observation.

Typical range	Last 24 hours	Trend
52-54	**53.3**	**1%**
Walking speed	Meters per second	↘

15 Søren

...king speed ○ Typical range

8 min

55
54
53
52

20 Tue   22 Thu   24 Sat   Today

👫 Bathroom and Out of Room

Automatic detection for if a resident leaves the room, either for the bathroom or leaving their residence. Staff can configure to get alarms if resident has been out of view or in bathroom for too long. Amount of visits, and visit duration, available in historical view.

Day Week Month   < Last 24 hours >

☀️ **8AM-now**

In bed	Out of bed	In the toilet
1hr 59min	0 times	0 times

🌙 **8PM-8AM**

In bed	Out of bed	In the toilet
12hr 0min	0 times	0 times

Care Staff Workflows

Data is transformed in to helpful and actionable tools for care staff

- 🔔 **Alarms**
- 🪪 **Live Overview**
- 🤸 **Anonymised Falls**
- ☰ **AI Rounding**
- 💬 **Support**
- 🛎 **Emergency-Call**
- ✨ **Insights**

🔔 Alarms

Multi-tier notification system with customizable alerts per resident. Fall alarms include escalating re-alarm cycles (every 2 minutes) and team coordination features. Supports audio and spoken alarms for hands-free awareness.

	88 Marcus	15:31
	Sitting at the edge of bed	

	63 Martha	15:30
	Standing up!	

	63 Martha	15:30
	Sitting at the edge of bed	

📑 Live Overview

Real-time dashboard showing all resident activities simultaneously (activity, sleep, and staff presence). Visual risk indicators (blue/yellow/red circles) help prioritize care delivery.

Building 114

8 Niels	10 Hanne	4 Eva	5 Knud	6 Ove	3 Anna
→ Out			→ Out		→ Out
15 min	1 h 21 m	10 h 36 m	8 min	3 min	22 min

| 4 Bente	5 Gerda	6 Poula	7 Mona
	→ Out		
13 min	25 min	3 h 31 m	11 min

⚡ Anonymised Falls

30-second anonymized animations of fall events for post-incident analysis. Helps staff understand fall circumstances, assess injury risk, and develop prevention strategies while maintaining resident dignity.
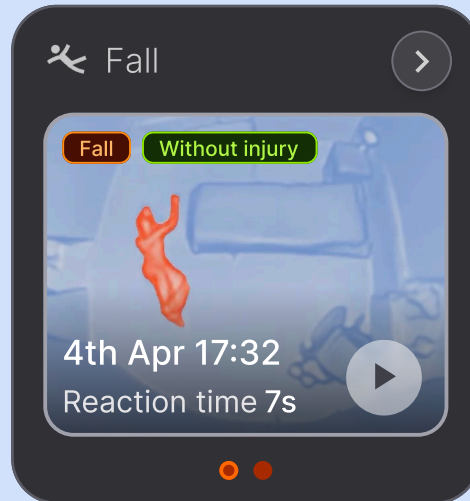

☰ AI Rounding

Scheduled and adhoc check-ins can be created, providing staff with a higher fidelity peek into the room. This can be used by staff to evaluate whether to carry out a physical round, or whether a digital check-in is sufficient. Adherence and completion rates for scheduled checks can be tracked.
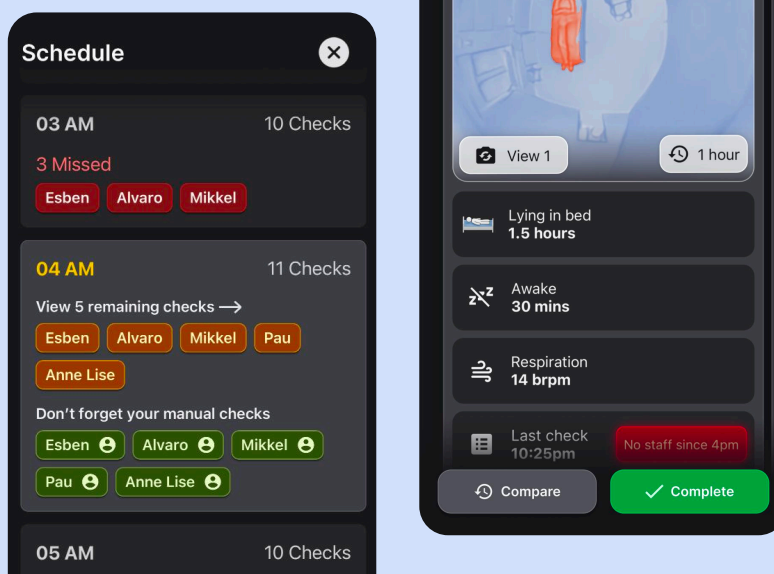
⍰ Support

Integrated chat system for direct communication with Teton team. Includes access to user guides, release notes, and mobile access code generation for new devices.
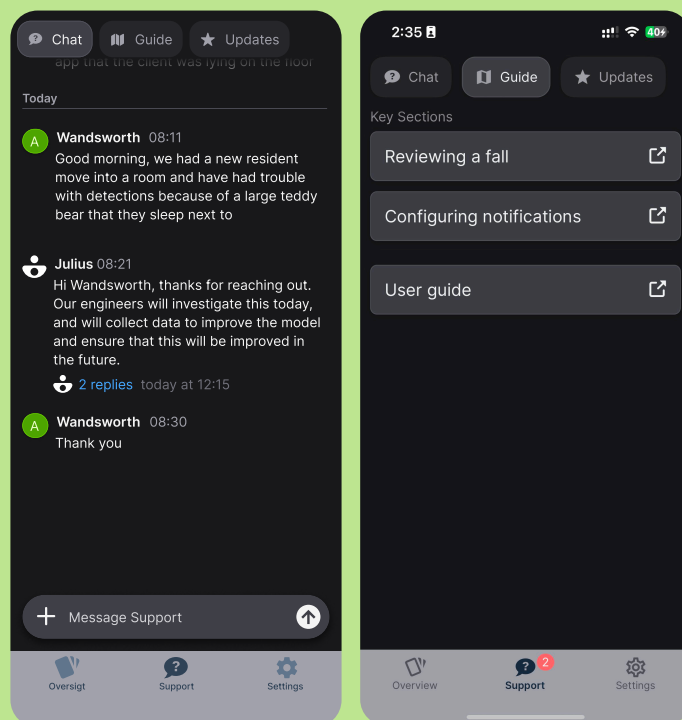
🛎 Emergency-Call   Not included in agreed pilot

Residents can press a button to request help from staff. Staff can call into the room via our app and hardware, or they can walk over and check on the resident.
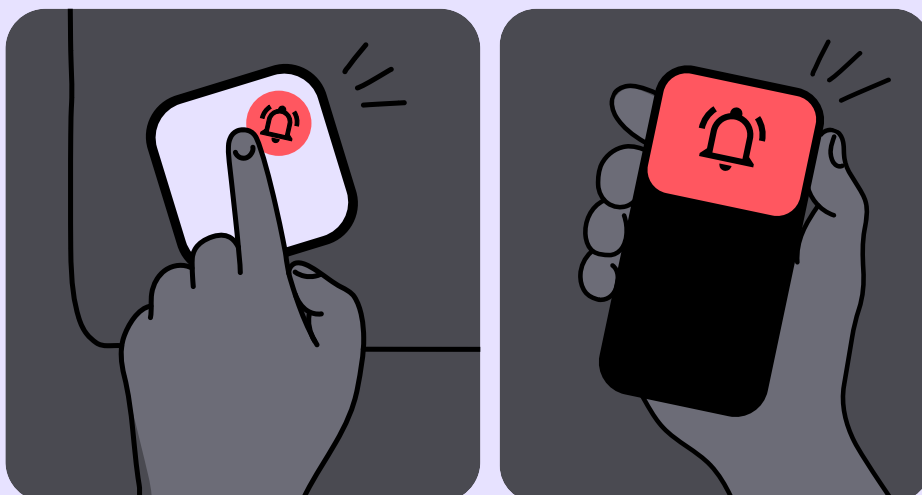
✦ Insights

Analytics tracking all detections over time to identify patterns and deviations from baseline behavior. Monitors changes in everything that the system can detect. System can recommend next steps and follow ups.

✦ Resident Insights

More sleep with less time in bed

Resident shows fluctuating sleep duration with recent decrease in out of bed hours and increased bathroom visits.

🚶 Less time out of bed	
🚻 More bathroom visits	
🚻 More time in bathroom	
🛏 Fluctuating sleep	

Leadership Workflows

Live resident data is aggregated and made actionable for leaders

🏛 **Department View**

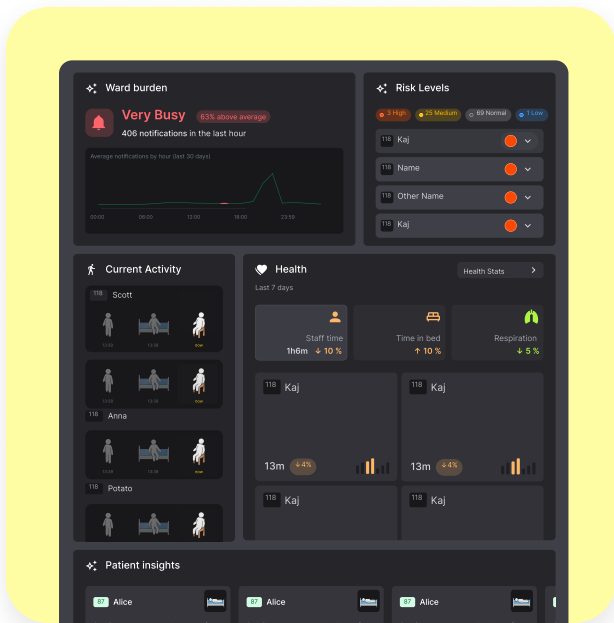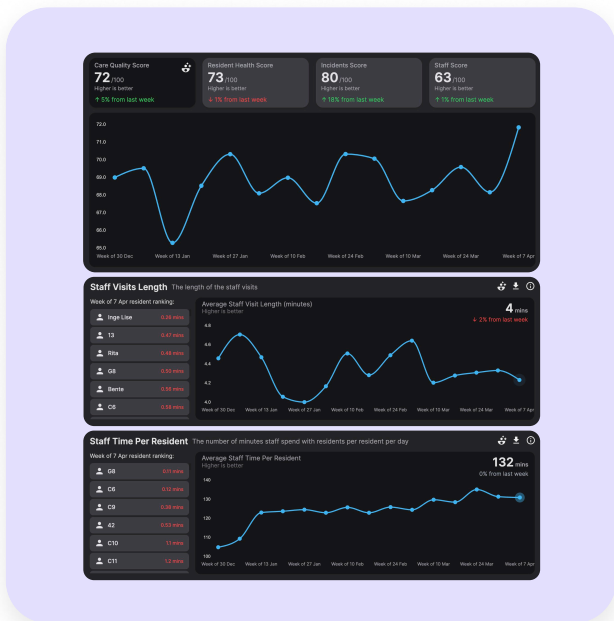📈 **Data Platform**

💫 **AI Analyst**

🏠 Department View

A valuable overview of the entire facility for executive directors and leaders. Here they can gauge burden levels, resident risks, staff time with residents and insights.

Inspect important risk factors like falls and how they were responded to, as well as looking at staff coverage rates when using the Teton system.

📈 Data Platform

Long-term data repository providing leadership and customer data teams with comprehensive analytics capabilities.

Enables cross-site performance benchmarking and data export for integration with existing BI tools and workflows.

👤✨ AI Analyst (Samwise)

Samwise is our AI chat analyst for inquiring about and exploring the data that is generated through Teton. This scales from single homes, all the way to comparing multiple facilities.

It can generate graphs, come with summaries, and highlight the more salient details of the data.

Touchpoints

Our products are accessed through different touch points depending on the user
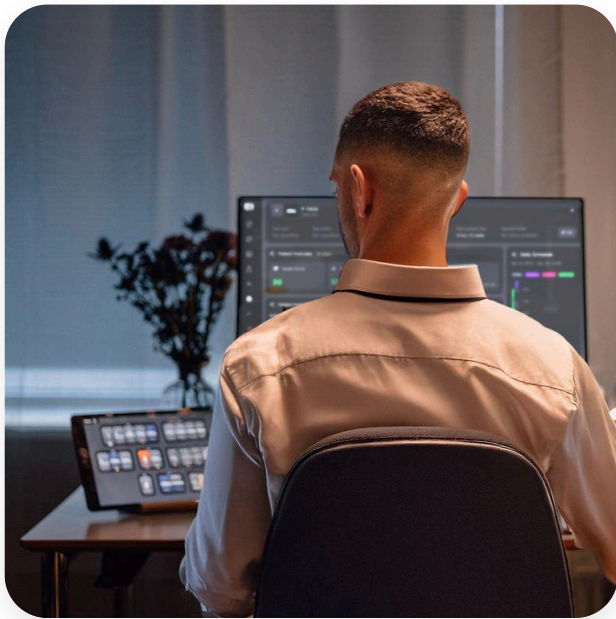
📱 Mobile App

💻 Web App

🖥 Overview Screen

📱 Mobile App

iOS/Android app (Teton Alerts) for care staff with shift-based resident selection, real-time notifications, and access to resident activity timelines and sleep data.

💻 Web App

Full-featured browser-based platform (app.teton.ai) providing comprehensive resident monitoring, department view, and administrative functions including fall review and settings management.
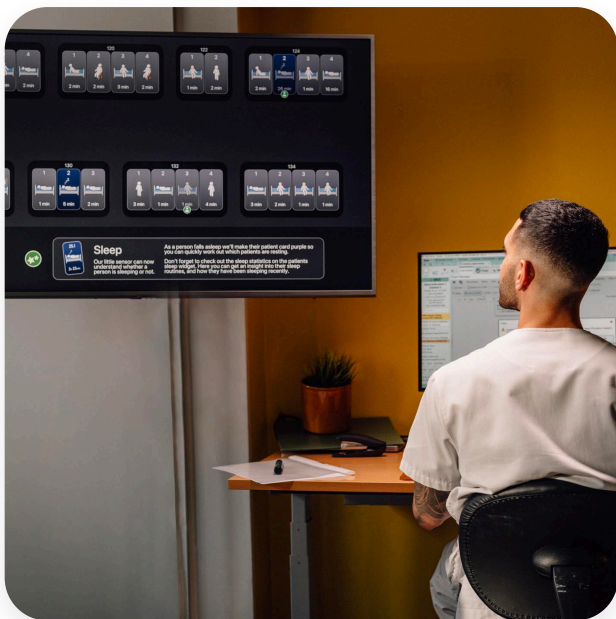
🖥 Overview Screen

Large-format displays for centralized nursing stations showing real-time overview across all rooms in a department.