

Google Glass 2013
Black Box OR 2015
Room with a view 2016
VIGOLIFOLI 2017
Heasyway-Heasygoing 2017
R4Heal 2018
VR4Heal(th) 2018
I.M. NEAR 2021

From Surgeon to Digital Innovator

‘Digital by design’

future Behaviour

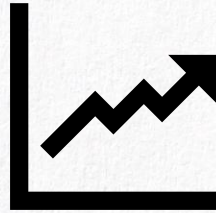
drives Bytes

drives Bricks

Sense



Analyze



Diagnose



Response



Smart Hospital Technology

1. Track & Trace Persons and Medical Equipment

1. Patient Engagement

2. Continuous Monitoring

3. Interactive Displays

4. Next Generation Nurse Call

5. Wayfinding



R4 Heal

Radboudumc

reliotech
reliable technology

YELLOW X RIDERS

BIG4DATA
data.knowledge.profit



CENTRE4MODS



Arbol AI



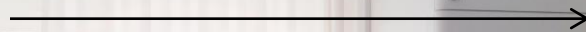
Make Healing Sensible Again





Pain
Activity
Sleep
Stress

Nature videos for relaxation



Videos about past



Healing by Immersion & Distraction



VR for distraction of pain





Games for mobility



Control over ambient environment



Control over nurse call



Healing by Control

2



Engagement
Self-efficacy
Wellbeing

Engagement-Self-efficacy-Wellbeing

Contact with home

AI voice assistance

Insight in planning and staff

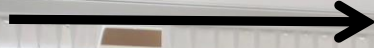
Nurse call

Healing by Interaction

3



Not only patients

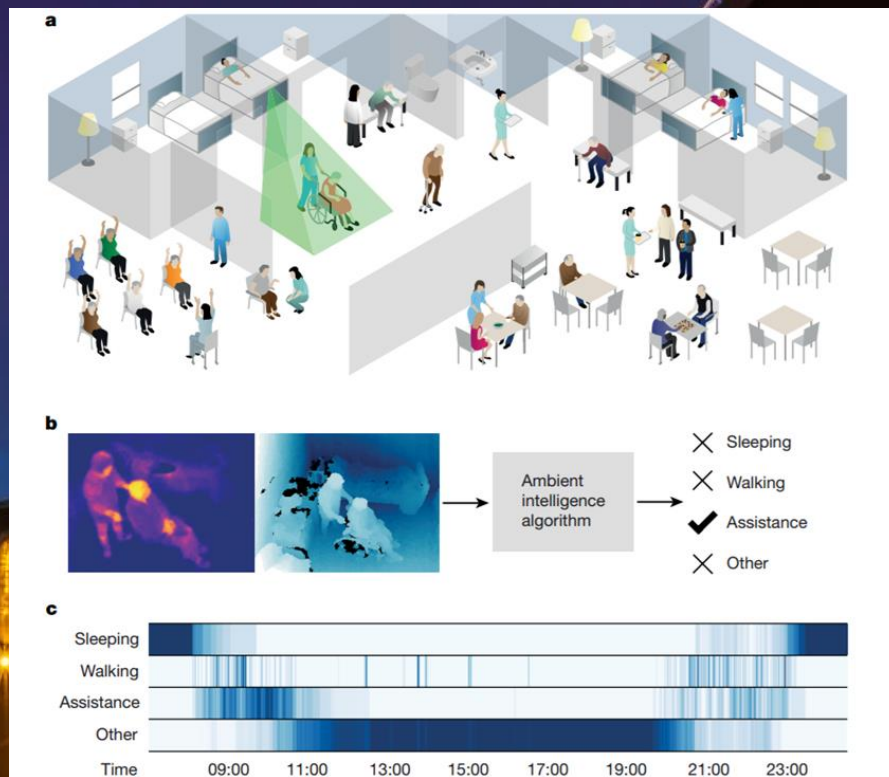
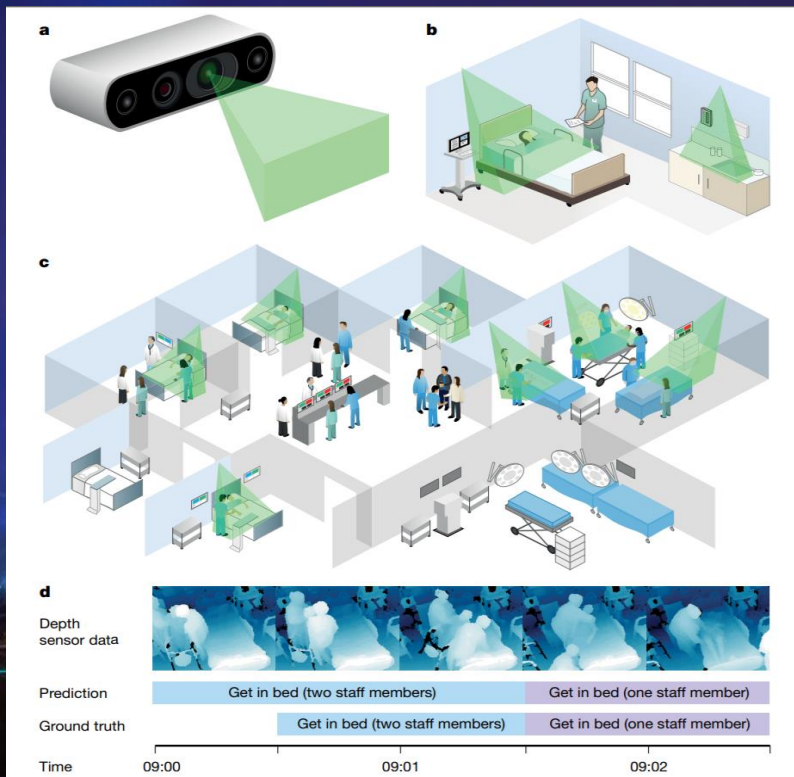


But workflow

- **Rounds**
- **Turnover**
- **Food service**
- **Cleaning**
- **Track**
- **.....**



Illuminating the dark spaces of healthcare with ambient intelligence



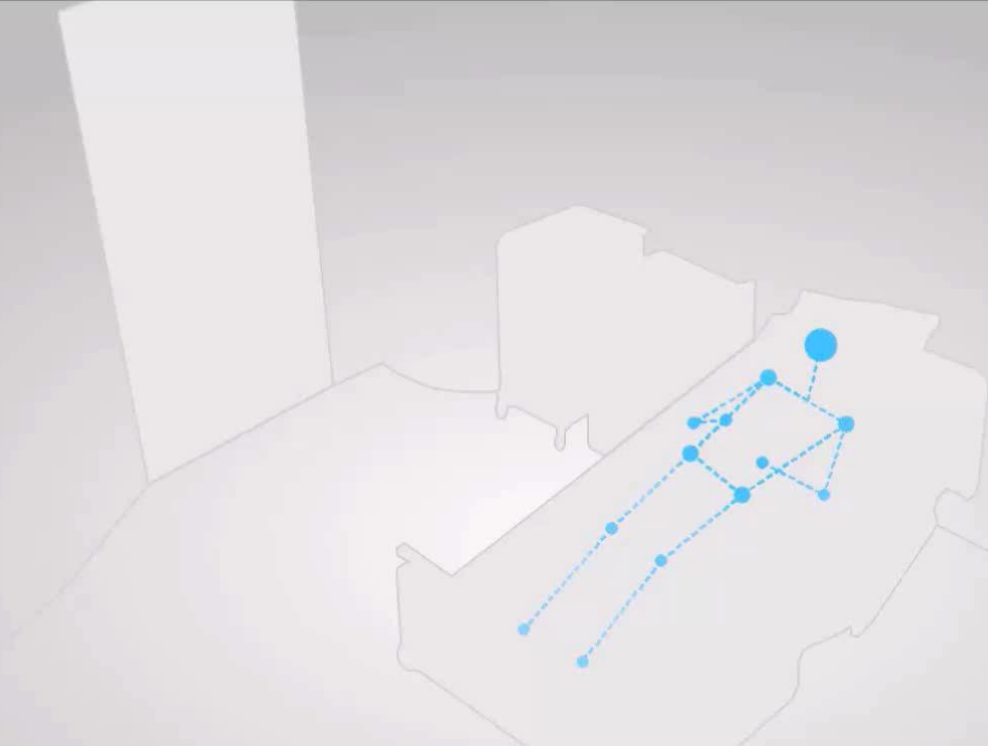


OUVA

Safety and Quality



Patient In bed



Patient comes out Bed in Authentic Situation

'stay in bed.. your nurse is coming'





Dashboard design by nurses

Elsi Smart Floor





Sensors

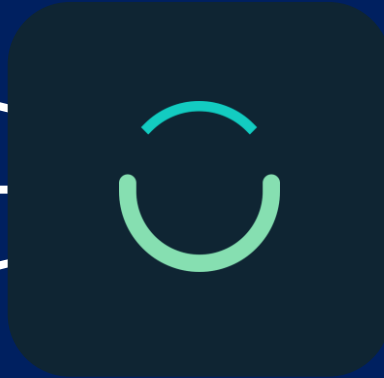


Wearables

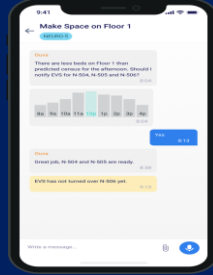
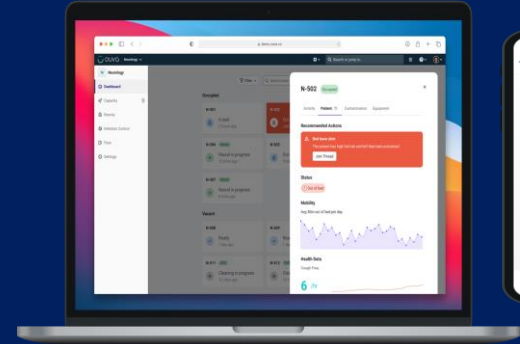


EMRs

Ambient
Intelligence



Artificial
Intelligence



Virtual Connected Care

