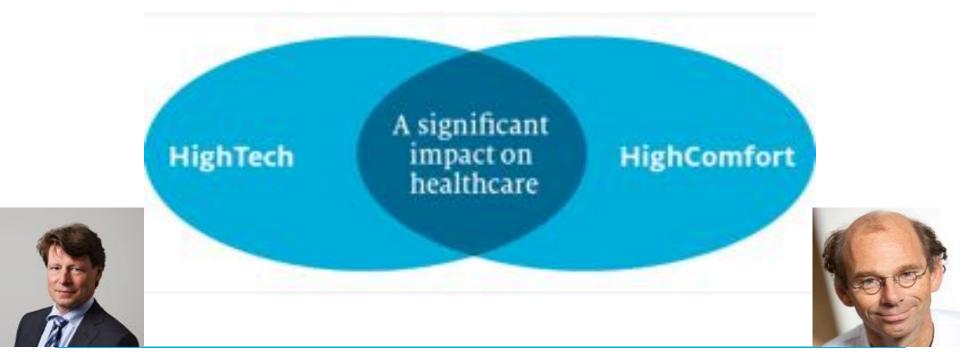
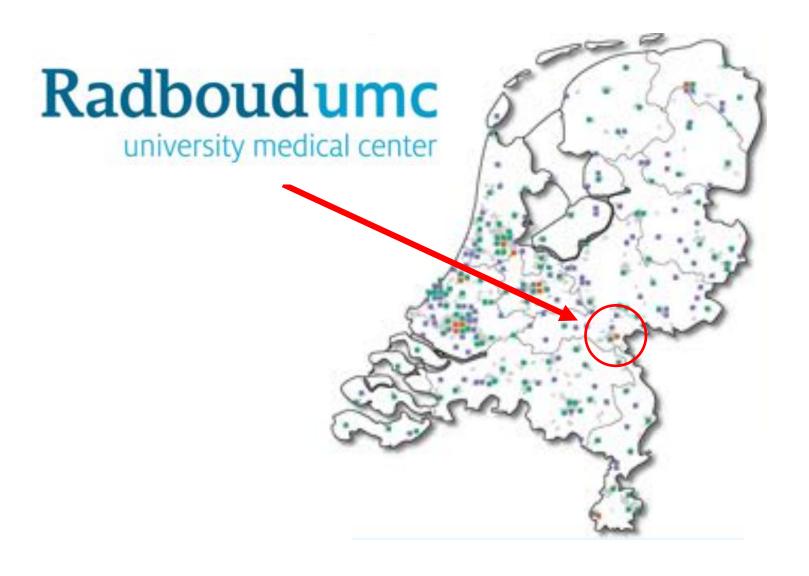


Personalized Healing Environment by Bricks, Bytes & Behaviour



We are 1 of the 7 UMCs in the Netherlands





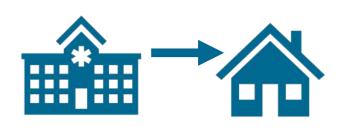
Business Case 2030: Research on 6 Topics

Population



Funding







Research

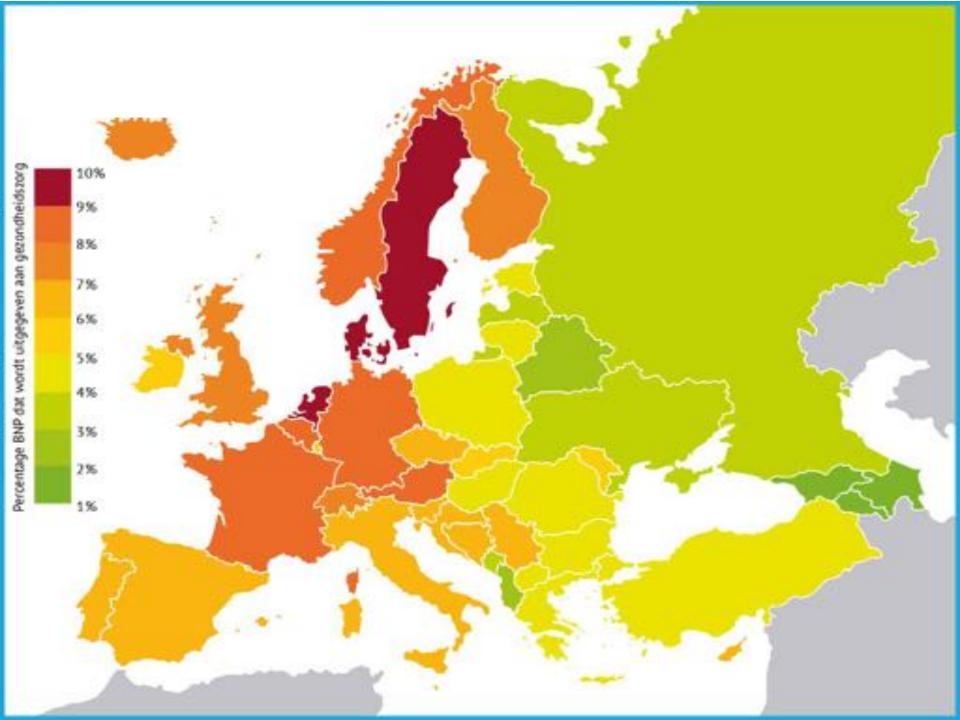
Education

Technology









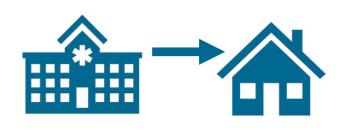
Business Case 2030: Research on 6 Topics

Population



Funding



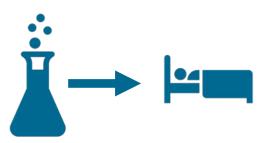




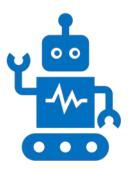
Research

Education

Technology







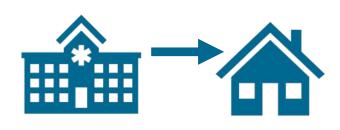
Business Case 2030: Research on 6 Topics

Population



Funding



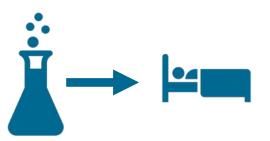




Research

Education

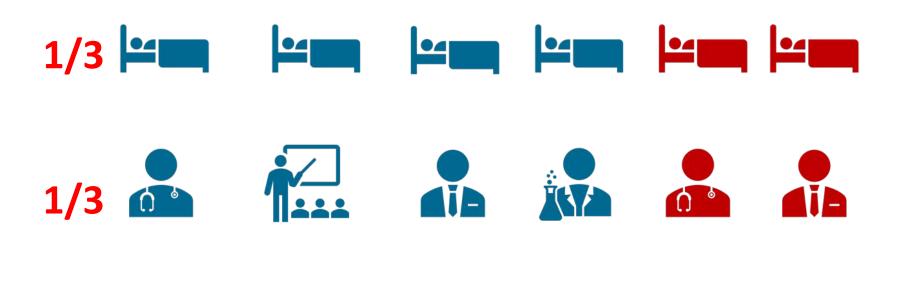
Technology







'Fewer bricks, more bytes and different behaviour'



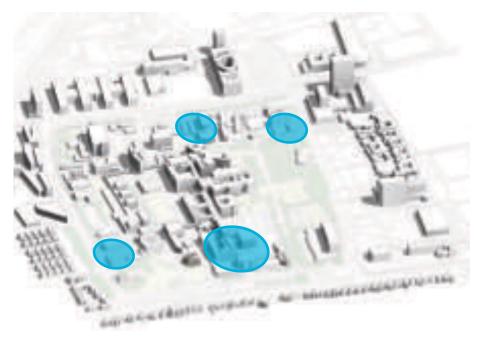
1/4







100.000 m2 less





2015 2025





Sustainable Design



Smart Hospital Technology

1. Track & Trace of Person and Medical Equipment

- 2. Patient Entertainment
- 3. Continuous Monitoring
- 4. Interactive Displays
- 5. Next Generation Nurse Call



Healing Environment, EBD, Radboudumc Look & Feel



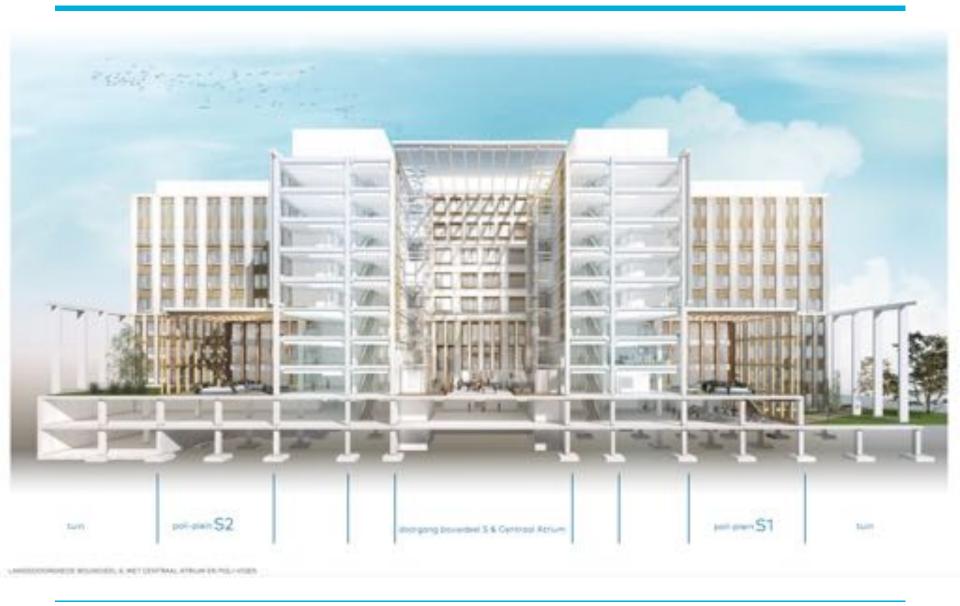
Personalized

Professional+

New Building "S"

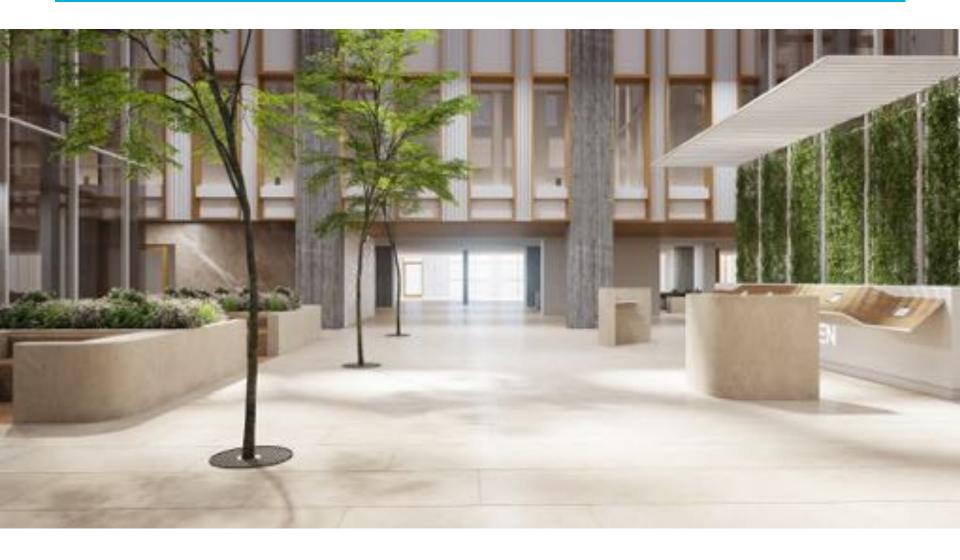


Daylight



Pagina 17 Radboudumc

Entrance



Waiting Becomes Experiencing



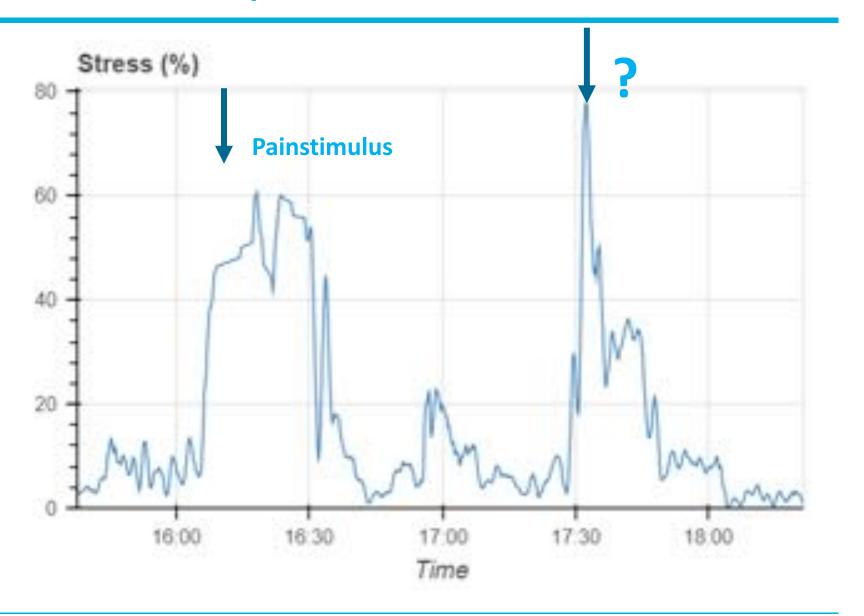
150 single bedrooms at wards

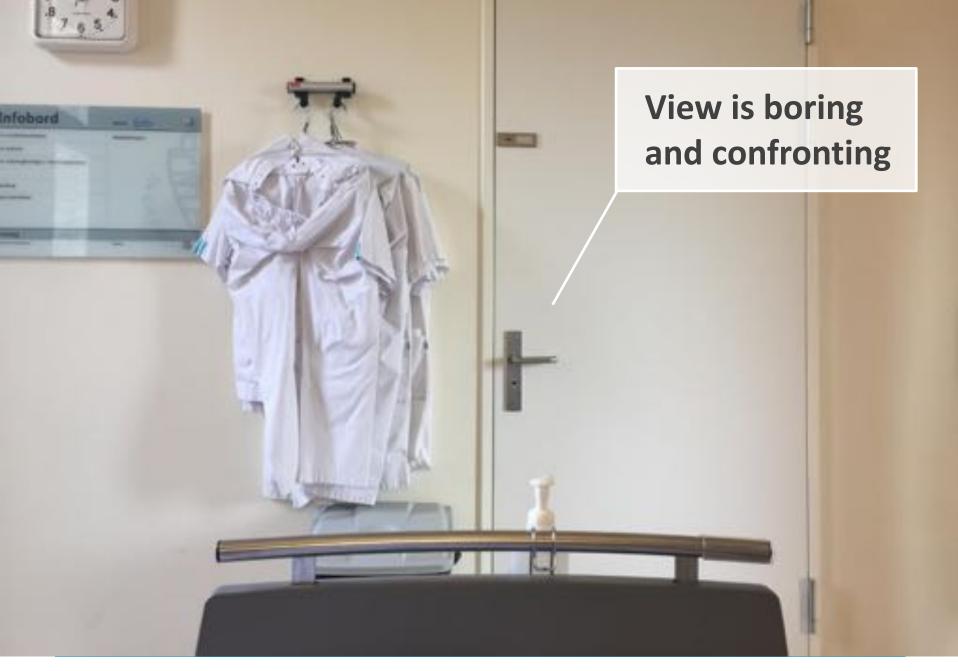






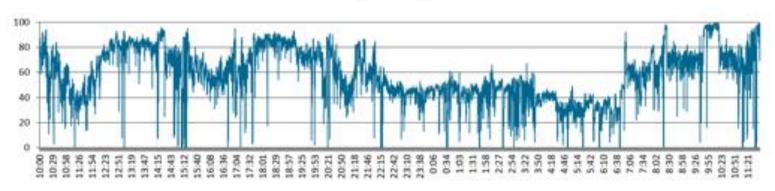
17 ex-patients admitted 24 hours



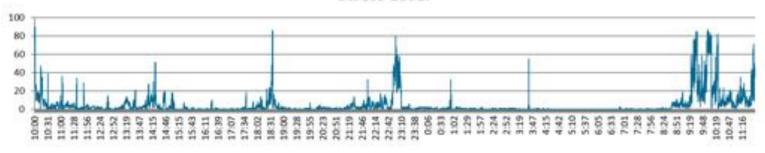


Radboudumc

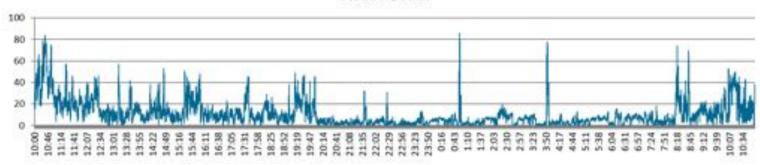
Stress Level

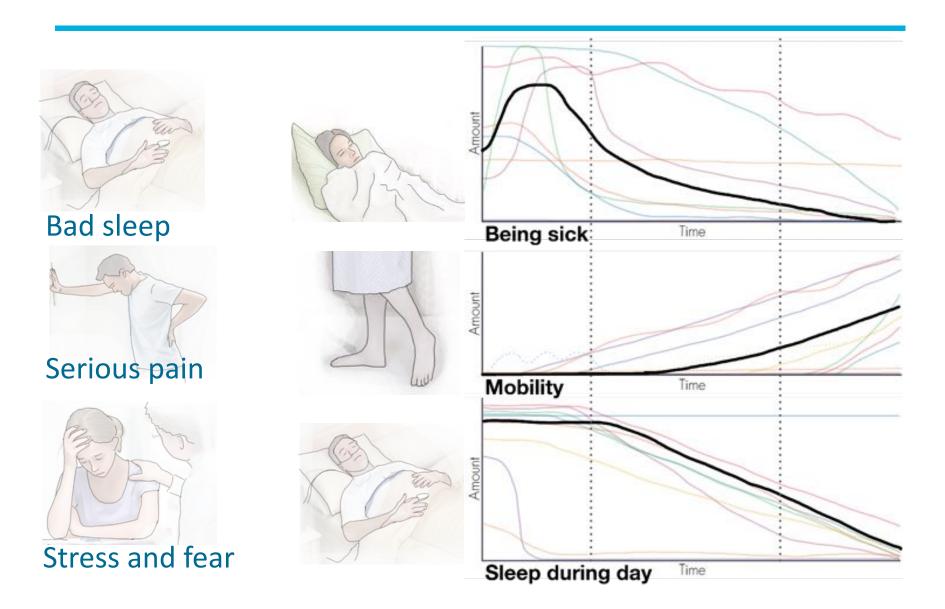


Stress Level



Stress Level





Profiling and personalized advice







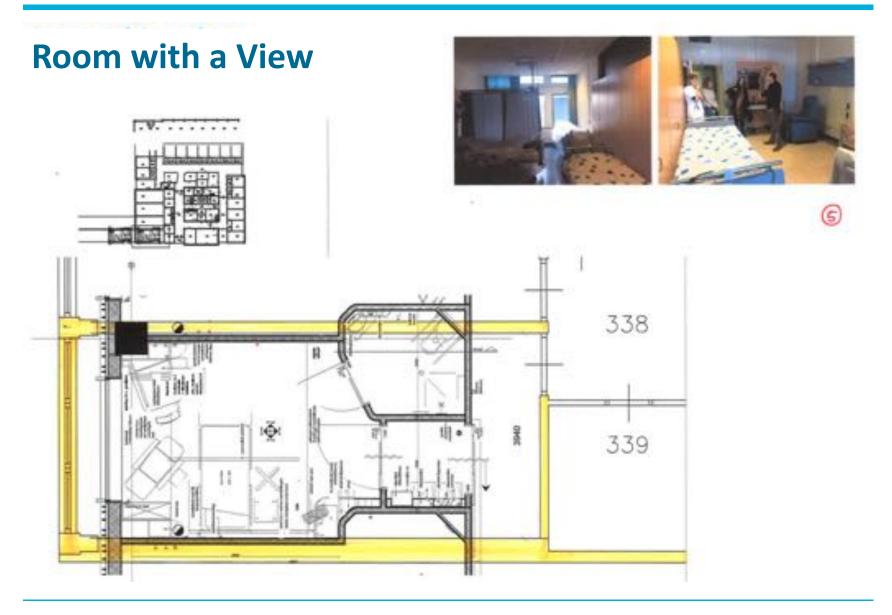




Al to improve advice



Living Lab at the general ward



When a motion is detected, the sensor sends the feed to the processing hub.

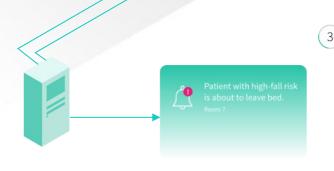
Integration with

Featured Use Cases

Monitoring Patient with High Fall Risk

- 1. Voice/form/movement recognition
- 2. Nurse messenger system
- 3. Track & trace personnel to at night time, if patient rises from the
- 4. Smart building technology

Processor first checks if the room has a high-fall-risk patient. If so, then it proceeds with activity detection.



If potential fall risk is detected, the hub can be configured to activate inroom lighting, screen, as well as send alert to staff devices









Harry van Goor

Professor of Surgical Education

Interim Chair Department of Primary and Community Care

Radboud University Medical Center

Nijmegen The Netherlands

harry.vangoor@radboudumc.nl

@gooreducatie

René Bleeker

Chief Real Estate
Officer



European Healthcare Design Award



International Academy Award











JCI Himms 7 Included





Design Guidelines Included