

nevis



SMART INDOOR TECHNOLOGIES

EIT HEALTH ANNUAL SYMPOSIUM 2017

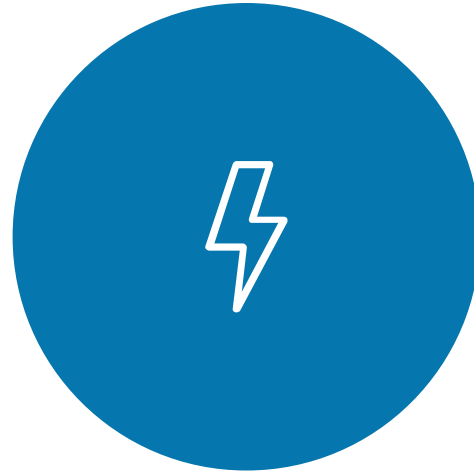
# BIG CHALLENGES FOR THE CARE INDUSTRY



## SHORTAGE OF NURSES

Lack of 1.5m nurses in Europe until 2020

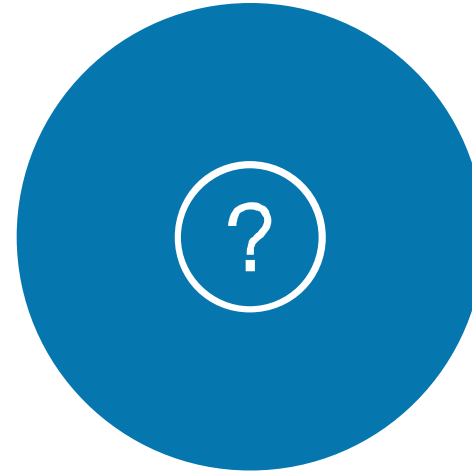
14 % of care work cannot be done



## FALLS

50 % of nursing home residents fall once per year

300m € costs yearly only for nursing homes



## DEMENTIA

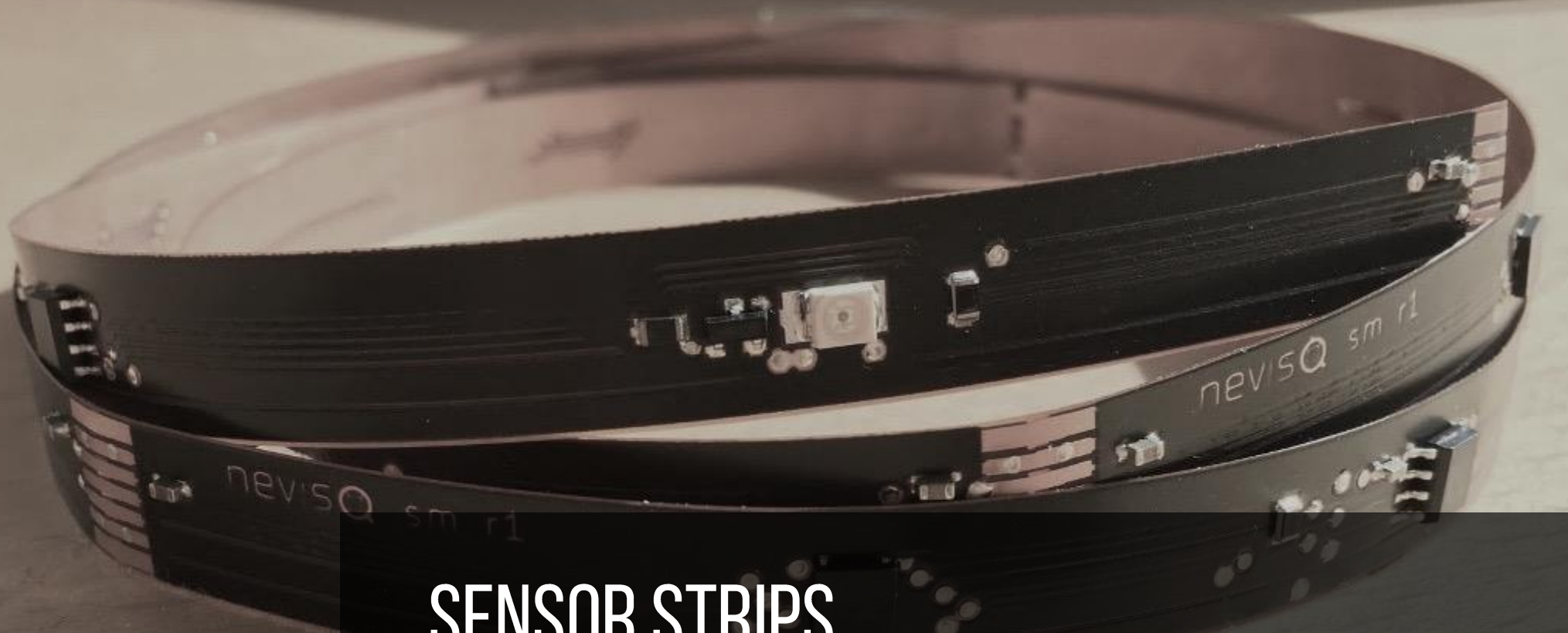
Higher need of care

High risk of falling



## RISING COSTS

More elderly people



## SENSOR STRIPS

Flexible and cuttable Infrared Sensor Strips

# TECHNOLOGY

## COMPUTER VISION & MACHINE LEARNING



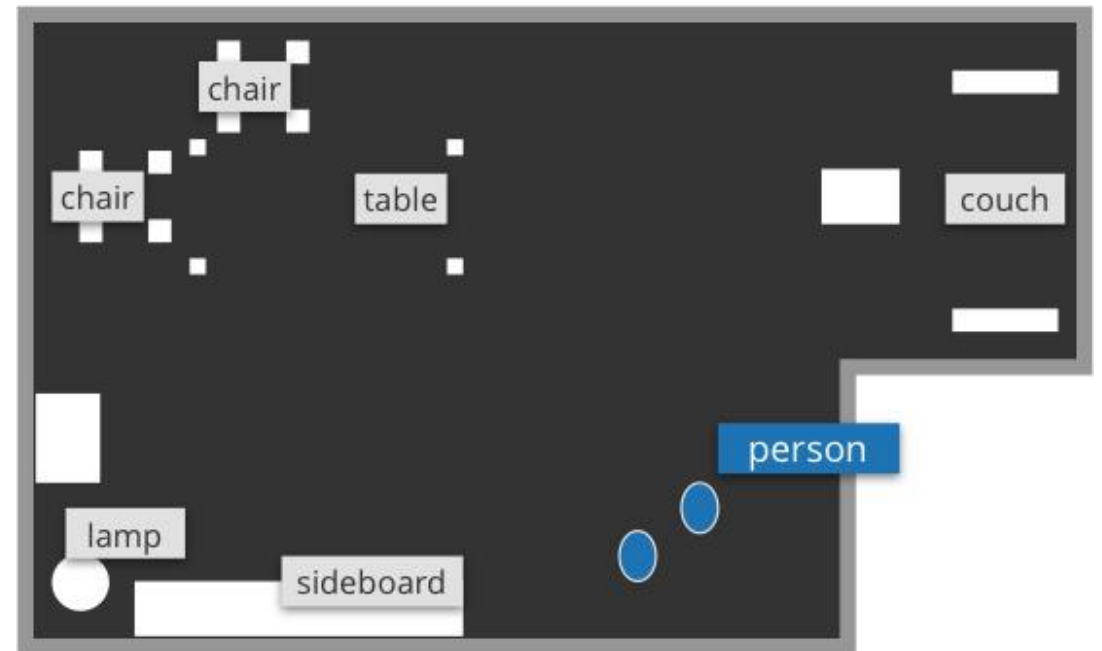
People and objects in a room are recognized



Movements in a room are analyzed using Machine Learning



Events can be triggered, like sending an alarm to nurses or switching on the light



# OUR SOLUTION

WE MAKE THE WORK OF NURSES EASIER AND THE LIFE OF PATIENTS SAFER

## DETECT CRITICAL SITUATIONS

- Falls
- Leaving the room
- Long time at toilet

## FALL PREVENTION

- Light control
- Bed exit alarm

## ACTIVITY ANALYSIS

- Activity pattern
- Heatmap
- Step analysis

## HEALTH RISK INDICATORS

- Fall risk indicator
- Changing activity pattern

# COMPETITIVE ADVANTAGE

We create the balance between precision and privacy.



DISCRETE



INDEPENDENT



INTELLIGENT



ACCURATE



Spin-off Award  
Eine Auszeichnung der  
RWTH

# nevis

## THANK YOU VERY MUCH FOR YOUR ATTENTION!



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