

OULUHEALTH – A unique ecosystem for health & life science

MINNA KOMU
OuluHealth Network director
2020

OULU
HEALTH



@OuluHealth



RESEARCH & INNOVATION

HEALTH & SOCIAL CARE PROVIDERS

**OULU
HEALTH
ECOSYSTEM**

HEALTH & LIFE SCIENCE COMPANIES



OuluHealth Stakeholders



OuluHealth is collaborating with other ecosystems both nationally & internationally

Oulu, the forerunner of its time



1600

TAR



1800

SAILING SHIPS



2000

ICT



TODAY

DIGITAL HEALTH

OULUHEALTH LABS

is an innovation, testing and
development environment for companies
and healthcare professionals



OULU HEALTH LABS



Oulu WelfareLab



Oamk SimLab



OYS TestLab



OuluHealth Labs covers the whole patient chain from home to hospital through 3 collaborating testbeds

Oulu WelfareLab (City's healthcare & social welfare processes)

End-users are at customers' and patients' homes and in all social and health care services within in the City of Oulu. Professional and customer feedback on products in a real, everyday social and health care environment.



contact: Jaana Kokko
City of Oulu
jaana.a.kokko@ouka.fi

OYS TestLab (hospital environment)

Various hospital units can be built into open spaces: an operating theatre, clinics, wards, control rooms, waiting areas etc. Includes a digital testbed for EHR integrations, a 3D virtual space and a 5G test network.



contact: Timo Alaläkkölä
Oulu University Hospital
timo.alalaakkola@ppshp.fi

Oamk SimLab (simulation environments)

Covers bioanalytics, nursing and emergency nursing, optometry, oral health care, radiography and radiation therapy as well as rehabilitation learning, and student collaboration.

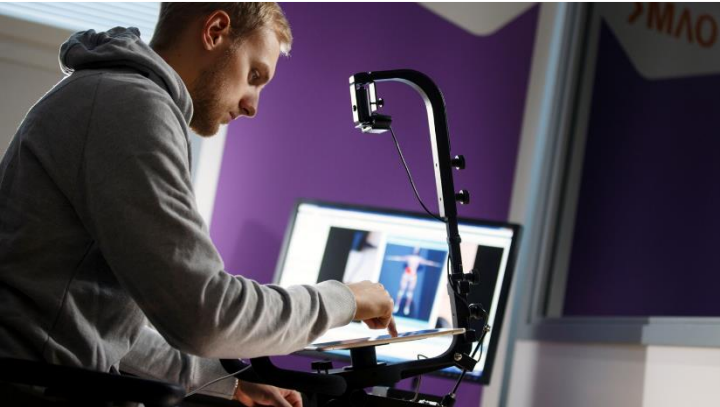


contact: Tiina Tervaskanto-Mäentausta
Oulu University of Applied Sciences
Tiina.Tervaskanto-Maentausta@oamk.fi

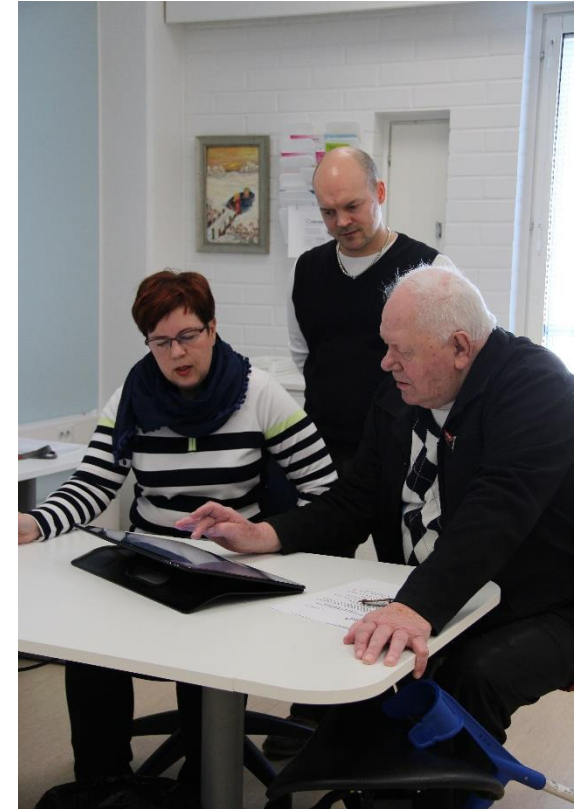
OuluHealth Labs Concept

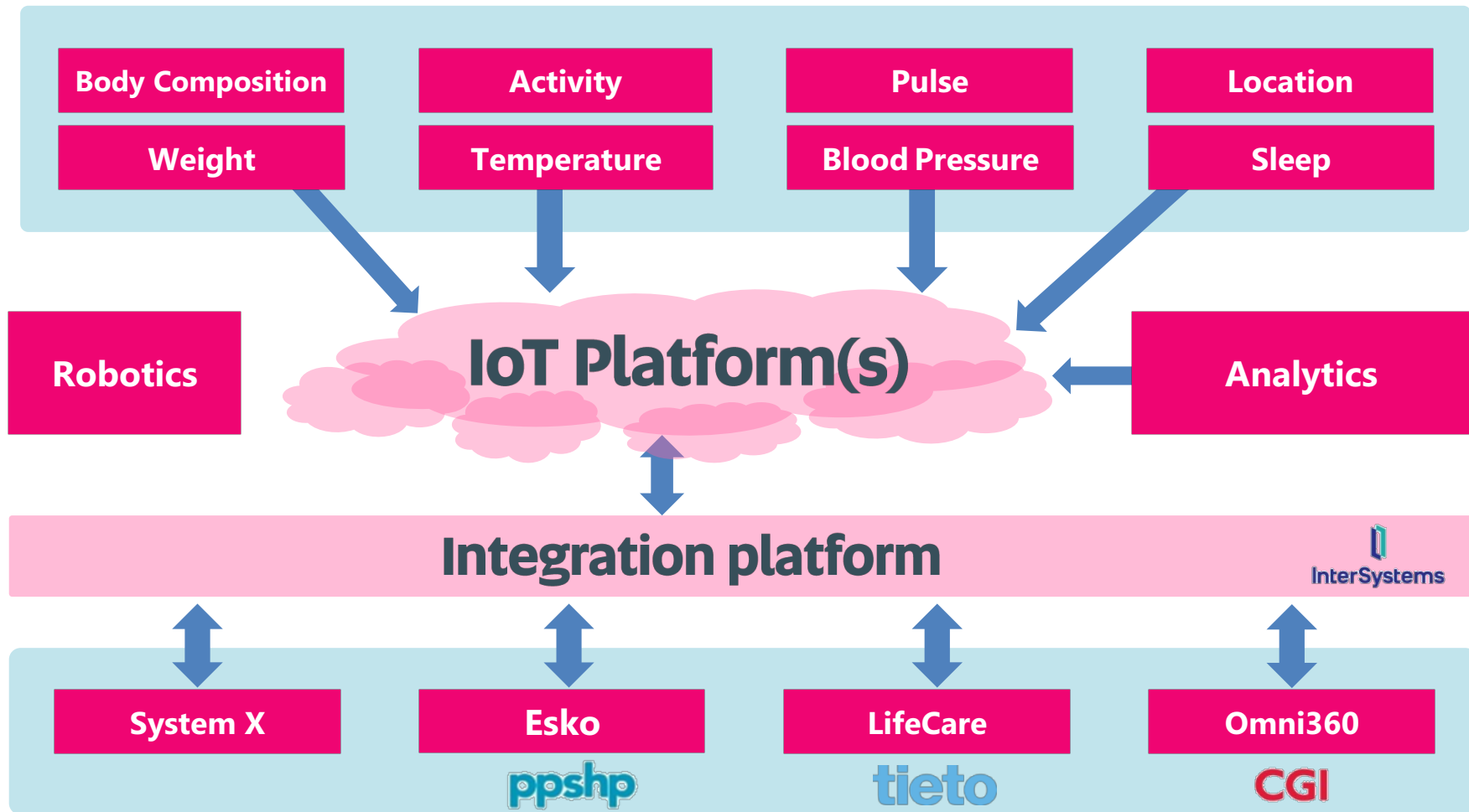


OuluHealth Labs in numbers



120+ completed pilots
950+ innovation & workshop sessions
190+ companies
10 000+ people involved





Daiwa House: POPO for rehabilitation

What was tested?

POPO is already in use in many hospitals and rehabilitation clinics in Japan, and the company is now seeking experience about its use in a European culture. The company tested the robot in three different user environments at the City of Oulu (one month test in each): At the rehabilitation ward in the city hospital, at open rehabilitation and in an elderly care unit in Haukipudas.

What are the results?

The city of Oulu gained experience on new devices in rehabilitation, and the company learned about Finnish healthcare system and end users. They learned for example that in Finland, rehabilitation in homes is a growing method in the future and mobile devices like POPO will be needed.



tested in 2017 by:
Oulu WelfareLab

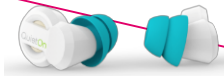
COMPANIES

HEALTH & LIFE SCIENCE COMPANIES IN OULU



Monitor

QuietOn



Optomed



DESIGNED & DEVELOPED IN OULU

Medanets

Near Real



MoveSole

Inmodi



Neagen



Kipuwex



Nukute



Peili Vision



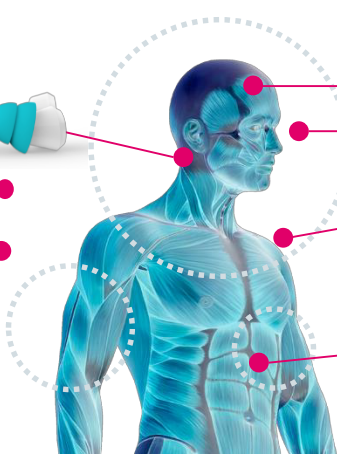
Neurosonic



Topcon



Cerenion



OULUHEALTH –

*UNIQUE ECOSYSTEM TO BOOST
THE HEALTH BUSINESS*

World-class Combination of ICT & HEALTH EXPERTISE

OULUHEALTH LABS – innovation and testing environment

FUTURE HOSPITAL 2030 – the smartest hospital in the world





We create
the future in
**GLOBAL
HEALTH CARE**



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HEALTH**

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