




Digitalization for eHealth and a case for 5G

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**OULU
HEALTH**

Content

- OuluHealth ecosystem
- Digital testing environment in Oulu University Hospital
- Future trends of health system

**LIFE SCIENCE
COMPANIES**



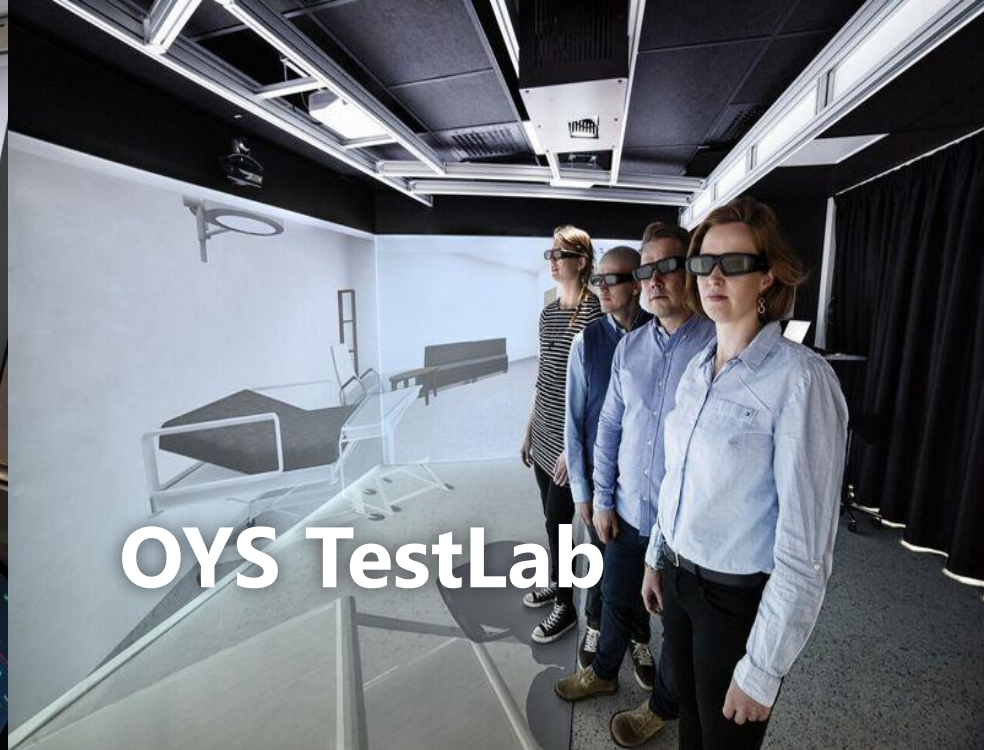
CITIZEN

**SOCIAL &
HEALTHCARE
SECTOR**

**RESEARCH &
INNOVATION**



Oamk SimLab



OYS TestLab



**Oulu
CityLab**

COMPANY SUPPORT PROCESS

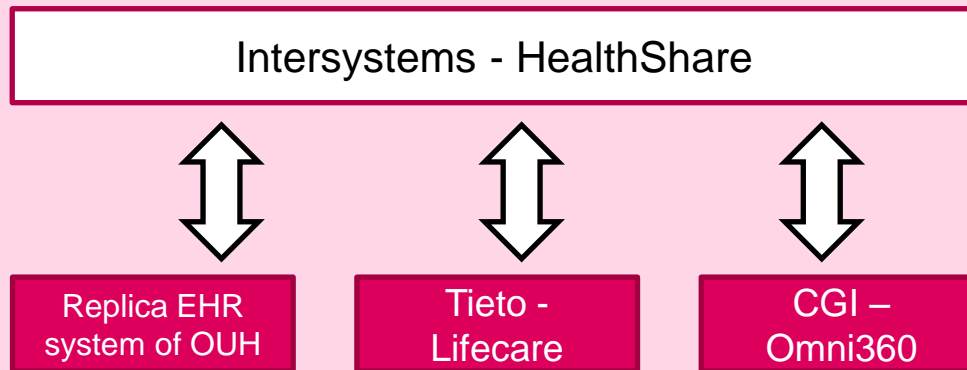




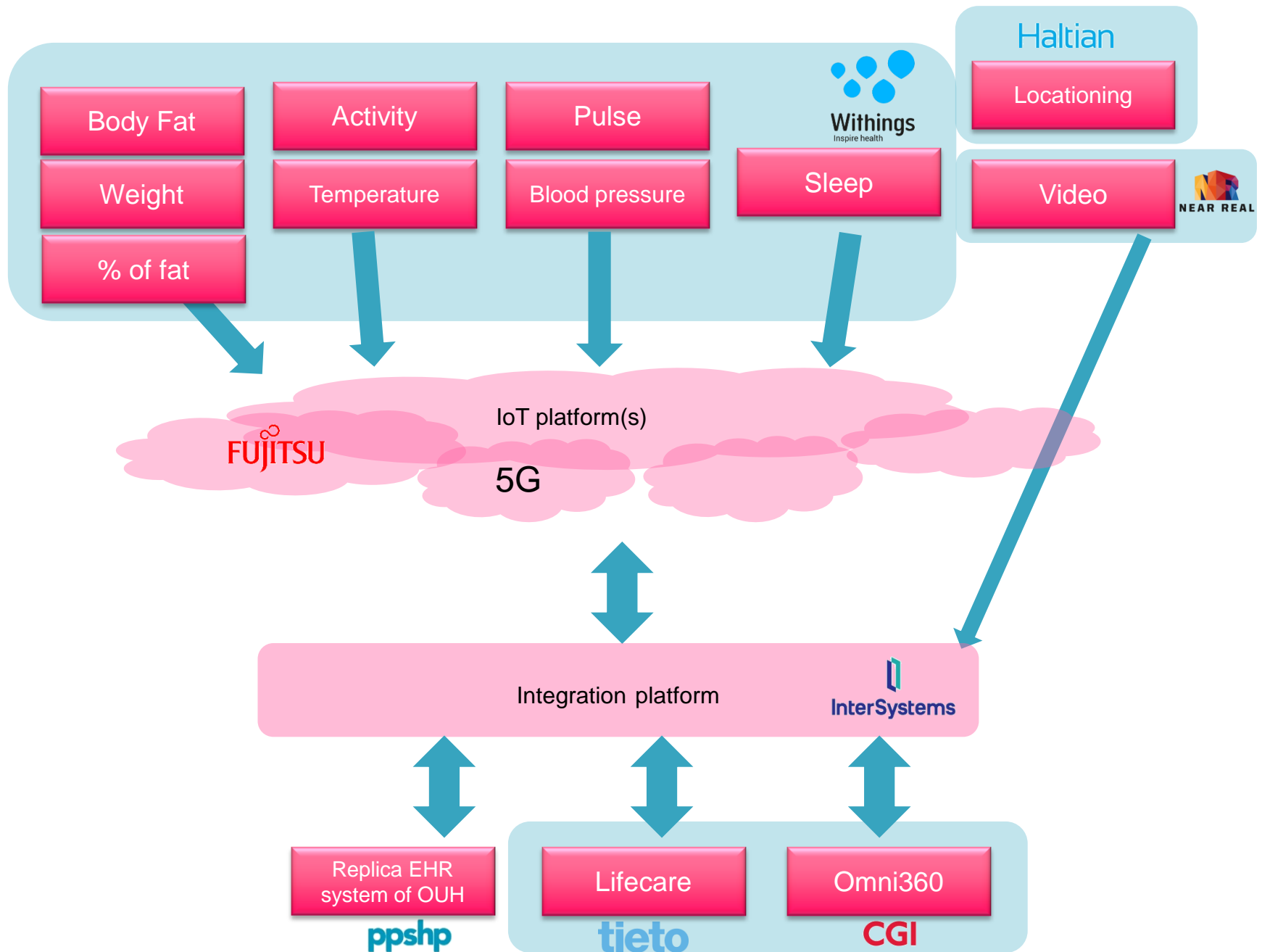
**Digital Testing environment,
to support the development
of products and services in
the field of healthcare**

Digital integration platform status October 2016

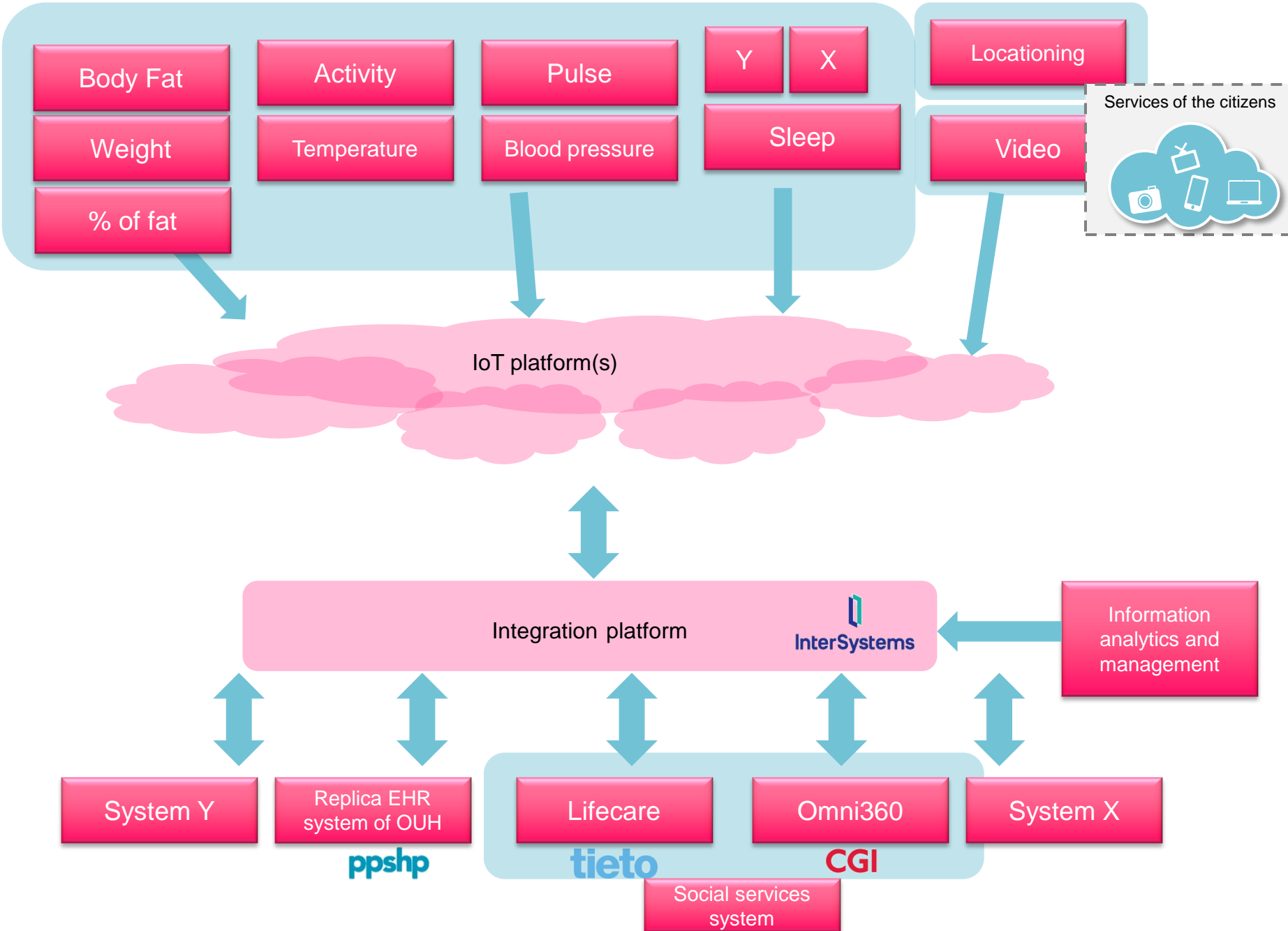
integrations were executed in a few weeks time period – close cooperation with different players was one of the key enablers



Digital integration platform status June 2017




Digital integration platform - Future vision



Solutions are needed for shaping the future health system

Source: Minna Pikkarainen, University of Oulu



From sickness management to behavior change

- Risk identification
- Earlier diagnosis of problems
- Preventing similar situations

Hospital and care at home

- Intelligent symptom evaluations
- Preventive health care services, personalized coaching solutions
- Alternative care taking models
- Virtual hospitals
- Heterogenous data usage

Digitalization

- Mobility, wireless, 5G, virtual communication, small devices integrated sensors, data analytics, intelligent implants, data-driven decision making systems, robotics

Empowerment

- My data
- Self-measurements,
- Self diagnosis
- Monitoring
- Mobile communication between individuals and professionals

We create

the future in

**GLOBAL
HEALTH CARE**

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