

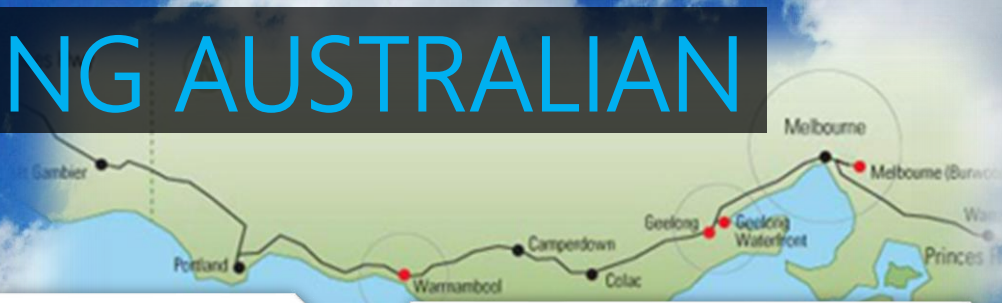
Deakin + NTT + FLAIM

A B2B2X case study

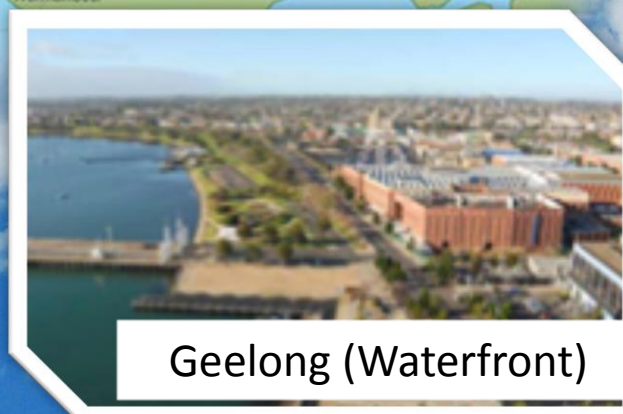
Ben Spincer, Executive Director, Deakin Research Innovations
Yuri Ichikawa, R&D Manager, NTT Corporation



DEAKIN IS A LEADING AUSTRALIAN UNI



Warrnambool



Geelong (Waterfront)



Geelong (Warrnambool)



Melbourne (Burwood)

Campuses in metropolitan Melbourne, the port city of Geelong and on the SW coast of Victoria

5 technology-rich Learning Centres across outer metropolitan Melbourne

Over 60,000 students

DEAKIN KEY RESEARCH STENGTHS



Artificial
intelligence and
robotics

Population
health and
nutrition

Assisted living
technology

Carbon fibre and
composite
materials

Virtual,
augmented and
mixed reality

Smart material
design

Applied research with commercial focus and relevance

NTT Group and R&D

NTT Group

Employees : 303,350 persons (Mar. 2018)

Revenues : \$106.08 B / year (FY2018)

Companies : 920 companies (Mar. 2019)

NTT R&D

Basic research and development for
the NTT group

**Nippon Telegraph and Telephone
Corporation** (holding company)

R&D

Research
results

Budgets

NTT Inc. (global holding company)

**NTT
EAST**

**NTT
WEST**

**NTT
Docomo**

**NTT
Data**

**NTT
Com**

**NTT
Ltd.**



• Customization • System enhancement • Operation • Business development

Establishment of the global research center for next-generation technologies

NTT

Service Innovation Laboratory Group

Information Network Laboratory Group

Science and Core Technology Laboratory Group

July 2019

Establish NTT Research, Inc. in Silicon Valley and expand it globally

Collaborations on fundamental researches

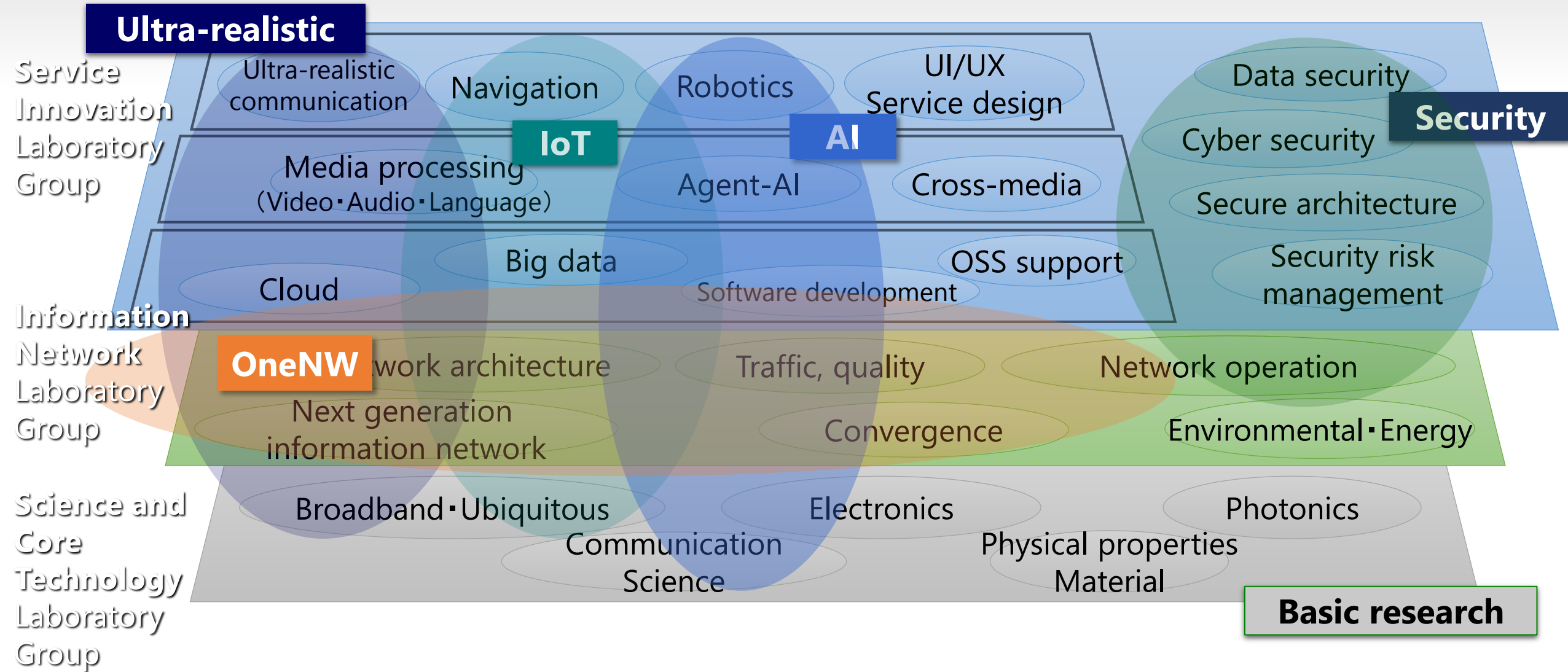
NTT Research Inc.

NTT PHI Laboratories

NTT CIS Laboratories

NTT MEI Laboratories

Broad range of R&D



THE ORIGINAL FLAIM RESEARCH



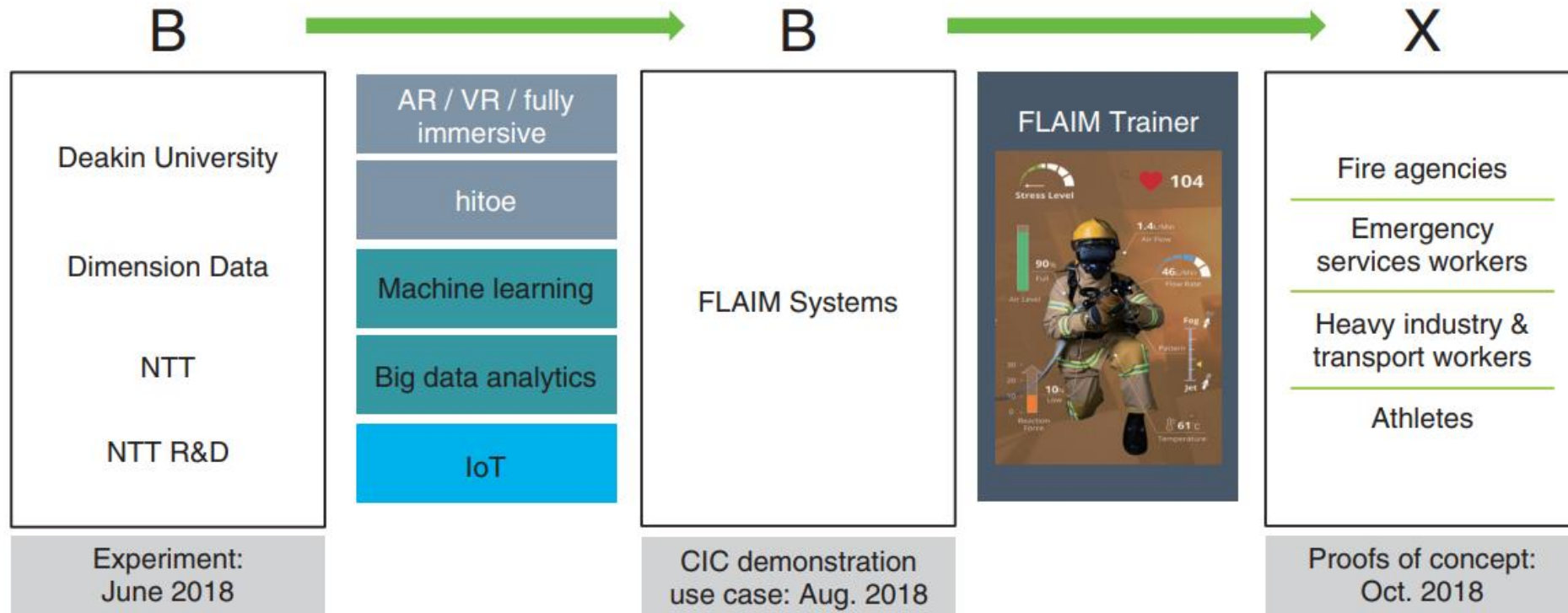
HITOE™ BIOMETRIC SENSING RESEARCH FROM NTT



DEVELOPING THE B2B2X OPPORTUNITY

Ensuring firefighters are 'fit to fight'

Immersive reality training scenarios, biological response monitoring, data visualization and machine learning





Stress Level

❤️ 112

97 %
FULL

Air Level

36 L/Min

Air Flow



0 L/Min

Flow Rate

Fog



Pattern

Jet

0 N
LOWReaction
Force

46 °C

Temperature



Smoke level

Ground

Fire intensity:



Environmental:



460 °C

Current session time:

2:09

SteamVR

Ready

Car.exe

FLAAM

oakton

hitoe

DEAKIN

IISRI

ENG

5:40 PM

20/02/2018



FLA4M™

T R A I N E R

FLA4M
SYSTEMS



FLAAMTM
SYSTEMS



Australian Startup of
the Year



Thank you ...

