



FINLAND IS...

#1

MOST INNOVATIVE COUNTRIES**

#1

IN AVAILABILITY OF SCIENTISTS & ENGINEERS*

#1

TRUSTED NATION

#1

IN AVAILABILITY
OF LATEST TECHNOLOGIES*

#2

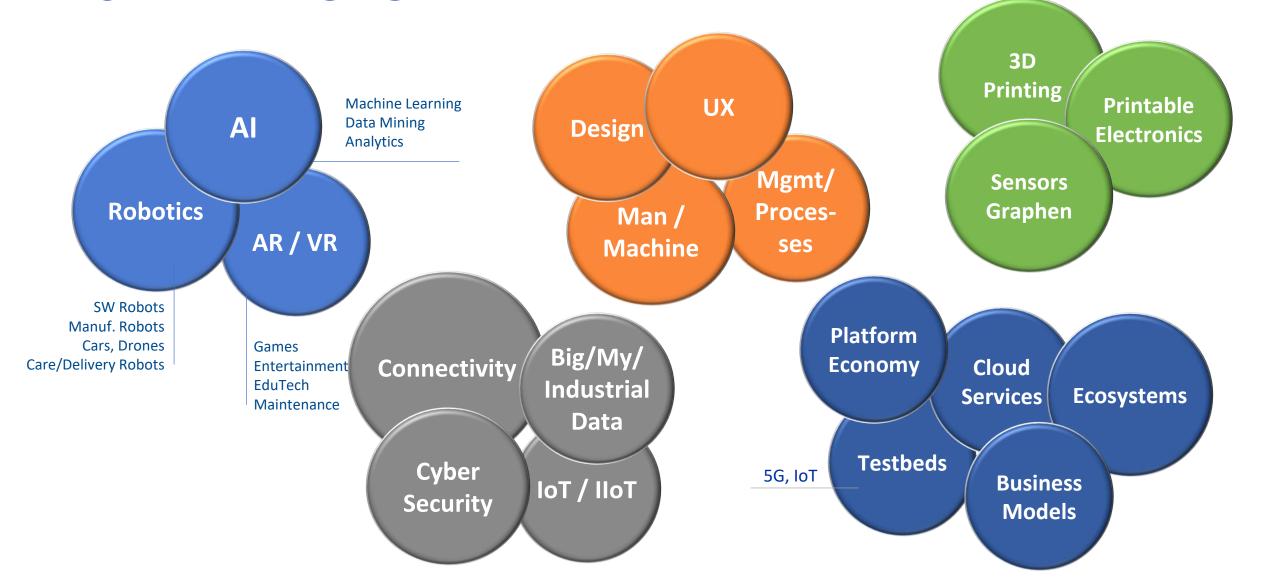
HIGHER EDUCATION AND TRAINING*

#2

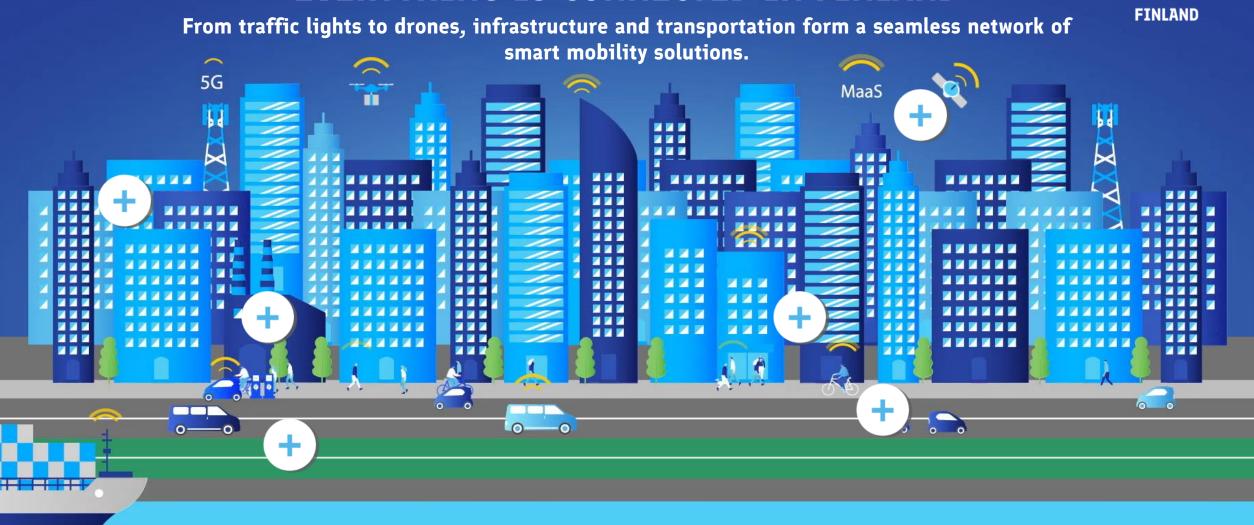
POTENTIAL IN AI UTILIZATION**



TECHNOLOGY BUILDING BLOCKS FOR THE FUTURE



EVERYTHING IS CONNECTED IN FINLAND







SAVING THE WORLD IS GOOD BUSINESS -**BUSINESS FINLAND PROGRAMS**

BUSTNESS **FINLAND**





















SMART HEALTH AND WELLBEING

Smart Life

Personalized Health

"Healthy and full of life at the age of 100"

SMART AND CLEAN ENERGY

Smart Energy

Batteries from Finland

"Clean energy without waste" **SMART INDUSTRY**

Sustainable Manufacturing

> "A renaissance for industry jobs"

SMART AND SUSTAINABLE COMMUNITIES

Smart Mobility

"From forest to the sea"

> "Smooth and safe transportation"

New Space Economy

CIRCULAR ECONOMY AND RESPONSIBLE CONSUMPTION

Bio and Circular

Food from Finland

Experience Commerce

> "Zero carbon emissions"





AI Business Digital Trust

GAME CHANGERS

ATTRACTIVE COUNTRY BRAND

New Value Creation Developing Markets

Talent Boost Travel

"Finland becomes number one travel destination in the Nordics"







DIGITAL TRUST VISION 2025

Digital Trust Finland will enable multi-billion business through development of safe and cybersecure solutions

- Allow nation states to achieve digitally trusted societies
- Create new industry driven ecosystems and global multi-billion business boosted by research





LEADING BY EXAMPLE

Companies, institutions and organizations create digital trust by providing cutting-edge solutions in critical communication, cyber security and fintech



WORKING TOGETHER

Strong partnerships between research, business and government create digital trust through technology-based ecosystems built around sharing and cooperation.



FOCUS ACTIVITIES IN THREE HORIZONS

Grow current business in public safety, cyber security and smart finance - Horizon (H) 1

Build emerging businesses and ecosystemic joint offerings with industry verticals and facilitate international innovation research activities – H2

Create renewal and growth opportunities, e.g. readiness for quantum computing – H3





PROGRAM'S SERVICES

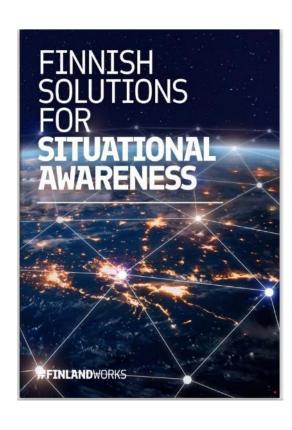
- Internationalization
- Invest in
- Innovation funding services
- Bring parties together for development of new competitive ecosystems and joint offerings

INTERNATIONAL MARKETS

- Digital Trust Finland program has selected target markets in
 - Europe
 - Latin Americas
 - Asia
 - Other MEA, US
- Marketing
 - Materials about Finnish offerings in cyber security, public safety and critical communications and fintech
 - Media campaigns



MARKETING - Example of New Space Finland

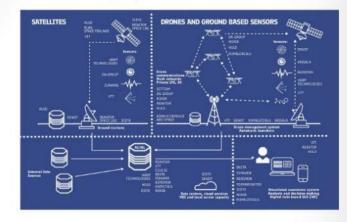


#FINLANDWORKS #FINLANDWORKS

OUR SOLUTIONS FOR SITUATIONAL AWARENESS

A group of Finnish and Finland-based technology companies offer and build situational awareness systems for non-military the application and requirements applications. These companies have of the system, the participating deep expertise in their own technology areas and, as a cluster, they meet a wide variety of client needs. The competence areas and products situational awareness systems. of the group cover all the aspects of situational awareness systems,

from satellites and sensors to artificial intelligence-based data processing systems. Depending on companies will be selected accordingly. The following diagram shows the joint Finnish offering in



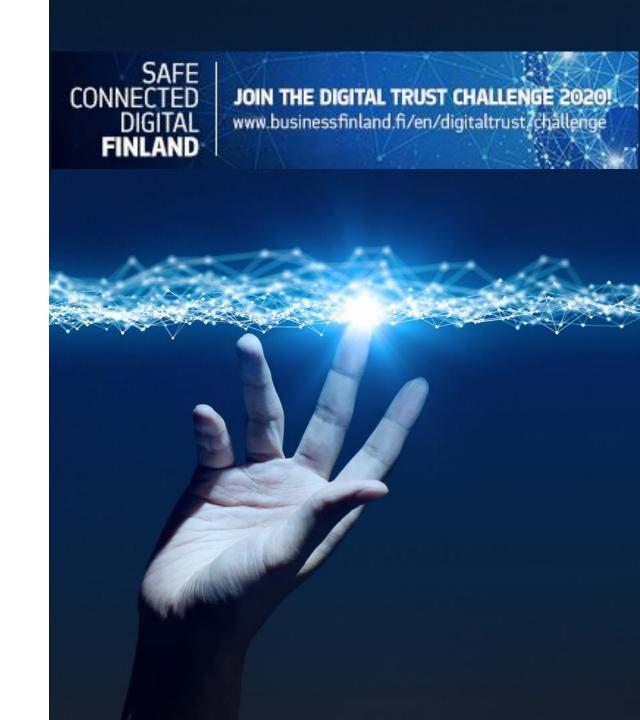
KEY COMPETENCES OF THE COMPANIES

Drone-based emissions and air quality measurements

| | and reporting |
|-----------------------------|--|
| Aiforia | Deep learning-based image analysis and object recognition platform |
| Airbus Defence and Space | Secure communications, situational awareness solutions |
| Bittium | Secure wireless communications, cyber security |
| DA Group | RF solutions, SAR components, embedded system solutions |
| Datactica | Support systems for critical decision-making |
| Harp Technologies | Microwave sensors and technology to detect, localize, and classify RF signals |
| Huld | Systems engineering and software development for safety and mission critical systems |
| ICEYE | SAR satellite constellation, SAR satellite data services |
| Isaware | Advanced analytics of multi-dimensional data, tailored support solutions for data-based decision-making |
| Insta | Situational awareness solutions, cyber security, data analytics and machine learning |
| Nokia | Critical communications solutions for a new era in digital safety |
| Reaktor Space Lab | Small satellites, space-based services |
| Reaktor | Data analytics, machine learning systems |
| RUAG Space Finland | Computers and power systems for satellites |
| RumbleTools | Fully autonomous drone with unique mobile docking station, fitted according to client needs |
| Senop | Hyperspectral and thermal imaging |
| Silo.AI | Advanced artificial intelligence expertise and solutions |
| Sitowise | Real world digital twins, geolocation information systems |
| Terramonitor | Cloud-free mapping and analyzing platform for satellite images |
| Vaisala | Environmental sensors, meteorological systems |
| VTT | Advanced technologies and solutions offerings around Connectivity, Microelectronics, Manufacturing techniques, Radars, 5G, Computing and AI/ML |

DIGITAL TRUST FINLAND CHALLENGE

- Themes Digital Trust in
 - Industrial context
 - Critical Infrastructure (energy, communication technology, etc)
 - Critical communication (e.g. AI)
 - Technology development of cyber security (e.g. detection, response)
 - Quantum computing and cyber security
- New ideas, new consortia, projects to be funded, e.g. co-creation, co-innovation, inputs to EU calls -> new and stronger ecosystems



12/3

HELSINKI 12.3.2020

DIGITAL TRUST CHALLENGE LAUNCH EVENT

Digital Trust Challenge builds collaborative R&D and innovation initiatives in digital trust.

Can't attend? Join the event through webcast:

JOIN THE WEBCAST



PROGRAM

12:00-12:30 Registration and coffee

12:30-13:30

- . Welcome: Kirsi Kokko, Head of Digital Trust Finland, Business Finland
- . Digital Society of Trust: Pekka Sivonen, Executive Director, Business Finland
- Keynote: Quantum Computing and Ecosystem opportunities: Jan Goetz, CEO,IQM
- Digital Trust Challenge: Kirsi Kokko, Head of Digital Trust Finland, Business Finland
- · A view to EU research initiatives

13:30-14:00 Break

14:00-15:30 Themes of Digital Trust Challenge:

- Critical communication and AI: Antti Kauppinen, Head Of Department,
 Mobile Technology Development and Strategy, Erillisverkot
- Industry and cyber security: Henry Haverinen, Fellow, Insta Group
- · Critical infrastructure and trust: SVP Kari Suominen, CIO, Fingrid
- Quantum computing and cyber security: Jorma Mellin, VP, SSH Communications Security
- Technological development of cyber security: Markku Korkiakoski, Director of Cyber Security, Netox

15:30-16:00 Closing words

DIGITAL TRUST FINLAND - YOUR CONTACTS

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CO-CREATION

Funding for developing a research idea and for building cooperation networks

For research organisations aiming at a Co-Innovation project to be completed in close co-operation with companies

- Create new radical ideas and new cooperation with companies
- Ensure the need for the research goal and the solution and its suitability for business-use, build a cooperation network



CO-CREATION

BUSINESS FINLAND FUNDING

60 % of the total eligible costs for the project

Project duration 4-6 months

Maximus size of the project 100 000 e

- Funding can be applied for at any time
- Eligible costs include:
 - Indirect personnel costs 50%
 - Indirect costs (overheads) 20%
- Equipment costs are not eligible



CO-INNOVATION

Funding for research organisations and companies for their joint actions

- Companies and research organizations develop jointly new knowledge and innovations for business needs
- A common goal and a plan to reach it
- At least one research organization and three companies, of which at least two have applied for funding for their R&D projects from Business Finland

WWW.BUSINESSFINLAND.FI/EN/COINNOVATION

CO-INNOVATION

BUSINESS FINLAND FUNDING

For companies:

For R&D projects that are in line with companies' own growth strategies

Funding is granted in accordance with the regular funding options or levels offered to companies

For research organizations:

For scientifically ambitious public research projects

60-70 % of the total eligible costs for the project

Duration max 2 years

