



Finnish National Program for Sustainable Growth in Transport Sector

To promote export-driven growth in transport sector based on

...ecologically,

...socially and

...economically sustainable solutions.





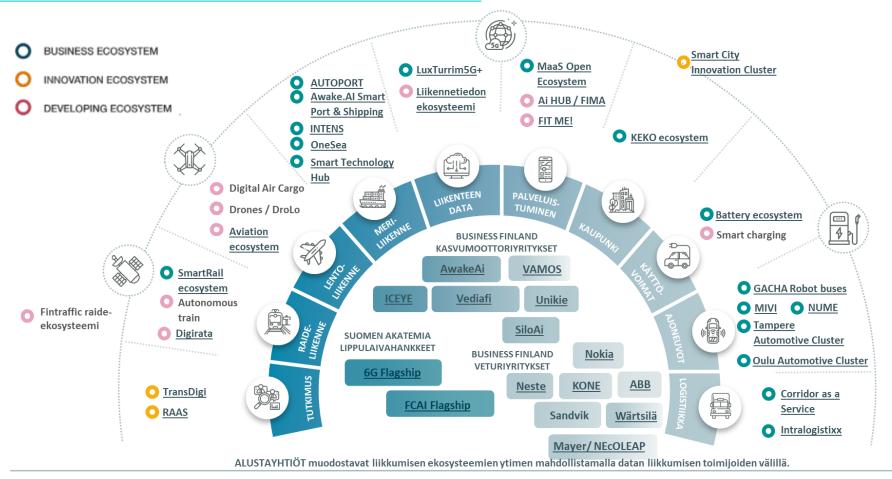
"Growth to be made by exporting market proven transport innovations and solutions."

"...from footprints to fingerprints!"





Ecosystems for the growth



TESTIALUSTAT ympäri Suomen tarjoavat liiketoiminnan kehitykselle uusia mahdollisuuksia.



Aurora Snowbox

ITS Factory

<u>Jätkäsaari</u> <u>Mobility Lab</u> <u>Lapland</u> <u>Proving Ground</u> Number9 <u>UAS</u>

<u>OneSea</u> Jaakonmeri

OuluZone+

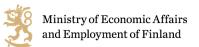
Sodankylä test site

Test World





Program Steering









































Future Mobility Finland. fi

FUTURE MOBILITY FINLAND

YOUR DESTINATION TO LEARN ABOUT FINNISH MOBILITY PLAYERS AND INNOVATION



- Finnish Excellence in Transport Sector
- Future Mobility Makers
- Innovations, Pilots & Experiences
- News, Case Stories & Blogs

KEY AREAS OF FINNISH EXCELLENCE IN TRANSPORT SECTOR

AUTONOMOUS TRANSPORT
Proven in all conditions

ELECTRIFICATION OF TRANSPORT

From software to botteries

SERVICIFICATION OF MOBILITY

Services to connect all mobility services

SMART PORTS AND MARITIME

Data-driven automation, flow and safety and remote pilots

DATA & CONNECTIVITY

Corner stones for modern transport system & cooperativiness

DIGITALIZED RAIL SOLUTIONS

Complete modern rail packages from cars to

FINNISH OFFERING

HIGHLIGHTS

DIGITALIZED LOGISTICS

Efficiency for people, goods and environment via digitalization

ENVIRONMENTAL MEASURES

Ensure transport in all weather conditions

AUTOMOTIVE INDUSTRY TECHNOLOGIES

Trusted technologies for modern vehicles

TRANSPORT SECTOR

Sustainable Growth Program

FUNCE MOBILITY
FINLAND

www.futuremobilityfinland.fr

Finnish Excellence in Mobility "One stop shop"

http://www.futuremobilityfinland.fi/

Your "One Stop Shop" for latest news, pilots and posts from Finnish mobility ecosystem





FINNISH OFFERING HIGHLIGHTS

FINNISH EXCELLENCE IN TRANSPORT SECTOR



FUTURE MOBILITY
FINLAND
www.futuremobilityfinland.fi

AUTONOMOUS TRANSPORT

- Software as a Key
- All Modes
- In All Conditions & Weather
- First and Last Mile

In Finland, we enable safe driving in all weather conditions. Self-driving shall be safe whenever and wherever.

SELF-DRIVING PILOT IN FINLAND A
SUCCESS DESPITE EXTREME WEATHER
CONDITIONS, SENSIBLE4







ELECTRIFICATION OF TRANSPORT

- Software for optimization
- EV infrastructure
- From Home to Heavy
- Batteries as an Enablers

In Finland, we optimize how electricity is used. We also think the key for smart electrification – The Battery – shall be produced with trust and sustainability.













AUTOMOTIVE INDUSTRY TECHNOLOGIES

- Software for Modern Automotive
- Vehicles Connected Everywhere
- Smart Cockpit Dashboards

In Finland, we didn't invent a car but we know how to speed up processes and get things connected – by software, connections and new emerging technologies.









DATA & CONNECTIVITY

- Open Data
- Data Networks (5G, 6G..)
- Connected Infrastructure, Devices, People

In Finland, we build the trust on data and connectivity. Our strong background on mobiles enables to build our future towards trusted and safe digital transport system.







ENVIRONMENTAL MEASURES

- Weather & Climate Measures
- Road, Rail, Air, Sea Conditions
- Forecasts

In Finland, we live with 4 seasons, we adapt to the weather, we forecast the weather and – the most important – we take care that society can smoothly go with all this.

VAISALA RANKS IN TOP 5 OF FINANCIAL TIMES' CLIMATE LEADERS 2022 LIST, VAISALA



USING DATA TO CONTROL TRAFFIC EMISSIONS IN VAASA, RAMBOLL

FUTURE MOBILITY

FINLAND

www.futuremobilityfinland.fi

TRANSPORT SECTOR
Sustainable Growth Program

DIGITALIZED RAIL SOLUTIONS

- Modern Urban Rail Systems
- Digitalized Rail Systems
- Life Cycle Rail Concept
- Autonomous Trains

In Finland, we think "rails" are not like they used to be —only iron. We think "rails" are smart, digitalized, sustainable mobility ecosystem—a part of modern, evolving ecosystem from iron rail roads to autonomous trains.









SMART PORTS AND MARITIME

- Optimized Port Operations
- Maritime Situation Awareness
- Autonomous Port Processes

TRANSPORT SECTOR
Sustainable Growth Program

Data & Software Driven Safety, Efficiency and Green

In Finland, we live almost on an island – forced to sail on ice, navigate through thousand rocks, connect the world through our ports 24/7. This means optimization, efficiency, automation and smart in every level.

WÄRTSILÄ IS LEADING THE MARINE ECOSYSTEM TOWARDS ZERO EMISSIONS, WÄRTSILÄ

PORT APP THAT COLLATES SCHEDULE DATA HEADING TOWARDS INTERNATIONAL COOPERATION, FINTRAFFIC VTS





DIGITALIZED LOGISTICS

- Optimized Logistics Chain
- Efficiency Through Automation and Autonomous
- Data, Al & Software Driven Safety, Efficiency and Green

In Finland, we are challenged with too long distances and too narrow freight and passenger flows. Challenges are tackled by data, innovations and optimization in every level.





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REASONS TO TO FINLAND

#1

BEST BUSINESS ENVIRONMENT IN THE WORLD

GLOBAL INNOVATION INDEX 2019

COMPETITIVENESS THEEU

IGITAL ECONOMY AND SOCIETY

MOST STABLE COUNTRY IN THE WORLD

FOR THE 14TH YEAR IN A ROW

FUND FOR PEACE, FRAGILE STATES INDEX 2019

LEADER IN NUMBER OF FDI NORDIC COUNTRIES

EY'S NORDIC ATTRACTIVENESS SURVEY 2019

IN AVAILABILITY OF LATEST **TECHNOLOGIES**

WEF GLOBAL COMPETITIVENESS REPORT 2017-2018

BEST **COUNTRY FOR** EXPATRIATES

FAMILY LIFE INDEX 2019



IN PROVIDING **FUTURE-SKILLS EDUCATION FOR YOUTH**

THE ECONOMIST INTELLIGENCE UNIT & YIDAN PRIZE, WORLDWIDE EDUCATING FOR THE FUTURE INDEX 2018 #1

COUNTRY TO CONTRIBUTE MOST TO THE GREATER GOOD OF HUMANITY IN THE WORLD RELATIVE TO ITS SIZE

GOOD COUNTRY INDEX 2019

HAPPIEST COUNTRY

IN THE WORLD FOR THIRD TIME

UNITED NATIONS SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK

SECOND MOST SKILLED WORKFORCE

IN THE WORLD

WORLD ECONOMIC FORUM, GLOBAL

THIRD MOST INNOVATIVE COUNTRY IN THE WORLD

BLOOMBERG INNOVATION INDEX 2019

INNOVATION CHAMPION

CONSUMER TECHNOLOGY ASSOCIATION 2019

TRANSPORT SECTOR
Sustainable Growth Program



FUTURE MOBILITY FINLAND

www.futuremobilityfinland.fi

YOUR CONTACT TO FINNISH EXCELLENCE IN MOBILITY

Transport Sector Sustainable Growth Program

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