FinEst Centre
for Smart Cities

Research and Innovation Centre for Smart Cities

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FinEst Centre for Smart Cities

Who we are?

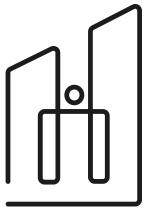
FinEst Centre for Smart Cities is an international research and innovation centre within Tallinn University of Technology driven by the passion to enhance the quality of life in urban areas.

Our **ambition** is that our 10 smart solutions will be developed and implemented in at least 30 cities by 2030.

Our **mission** is to ensure that as cities grow and evolve, they remain centred on the needs and well-being of their residents.

TAL TECH

A! Aalto University



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Smart City Governance. National or domain-wise management/policies of (open) data spaces, administrations, innovations, algorithms, energy transition, transport policies etc. Topic- and domain-wise roadmaps

Smart Energy. Energy-efficient buildings, Energy market, policy and storing Renewable energy supply and non-flexible consumption

Smart Mobility. Strategic and equal transport planning, Emergent transport technologies, Automated vehicles (developing a shuttle bus + governance issues of mixed traffic)

Built Environment. Digitally supported participatory urban planning, Resilience, Effects of lighting in public spaces,

Health & Wellbeing. Environmental psychology, Quality of water and Effects of built infrastructure

Urban Analytics & Data. Horizontal (IoT) and domain-wise (mobile health, medicine, mobility, car parking etc.), Data interoperability, dataspaces, AI.

Six research themes => experimented in Pilots

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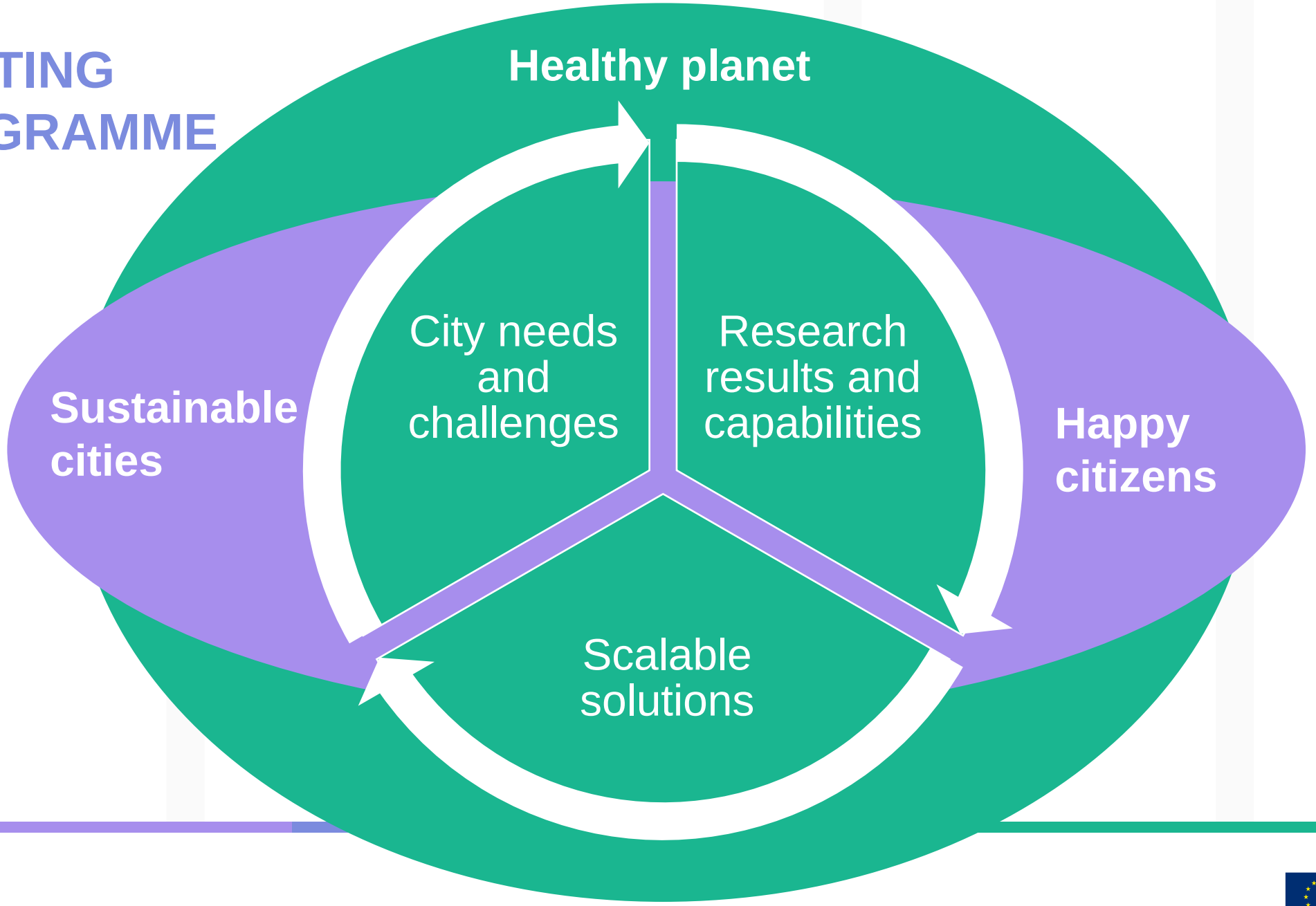
PILOTING PROGRAMME



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6 pilot projects done ⟶ 6 new solutions created

https://finestcentre.eu/innovation-with-cities/pilot-projects/

DIGIAUDIT

Pilots in Tartu and Tallinn

RENOVATION STRATEGY TOOL

Pilot in Võru

MICROGRIDS & ENERGY STORAGE PLATFORM

Pilots in Tartu and Paldiski

GREENTWINS

Pilot in Tallinn and Helsinki

AUTONOMOUS VEHICLE SAFETY TOOLKIT

Pilots in Tallinn and Rae county

URBAN WELL-BEING DIAGNOSTICS

Pilot in Narva

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HORIZON-CL5-2026-01-D6-13
Safety of Cyclists, Pedestrians and Users of Micromobility Devices

Stakeholder collaboration: Facilitate stronger collaboration between public and private stakeholders, foster user-centric approaches and promote the adoption of active and micromobility solutions.

Use of data and AI: Advance the responsible application of data and AI in urban mobility, leveraging predictive analytics and real-time data for optimized transport systems and improved user experiences.

Data governance and standardisation: Develop robust governance frameworks to ensure secure, privacy-preserving, and interoperable data ecosystems, with clear definitions of security and standardization in AI-enabled urban mobility.

Smart city innovations: Lead pilot initiatives deploying data-driven solutions in real urban environments, supporting sustainability goals and ensuring inclusive, equitable, and scalable mobility innovations.

Urban inequalities: Address urban inequalities by examining mobility needs from the perspective of diverse user groups.

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THANK YOU!

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