COLLABORATIVE TAMPERE3 INITIATIVE

SMART CITY LAB

For the future of smart cities
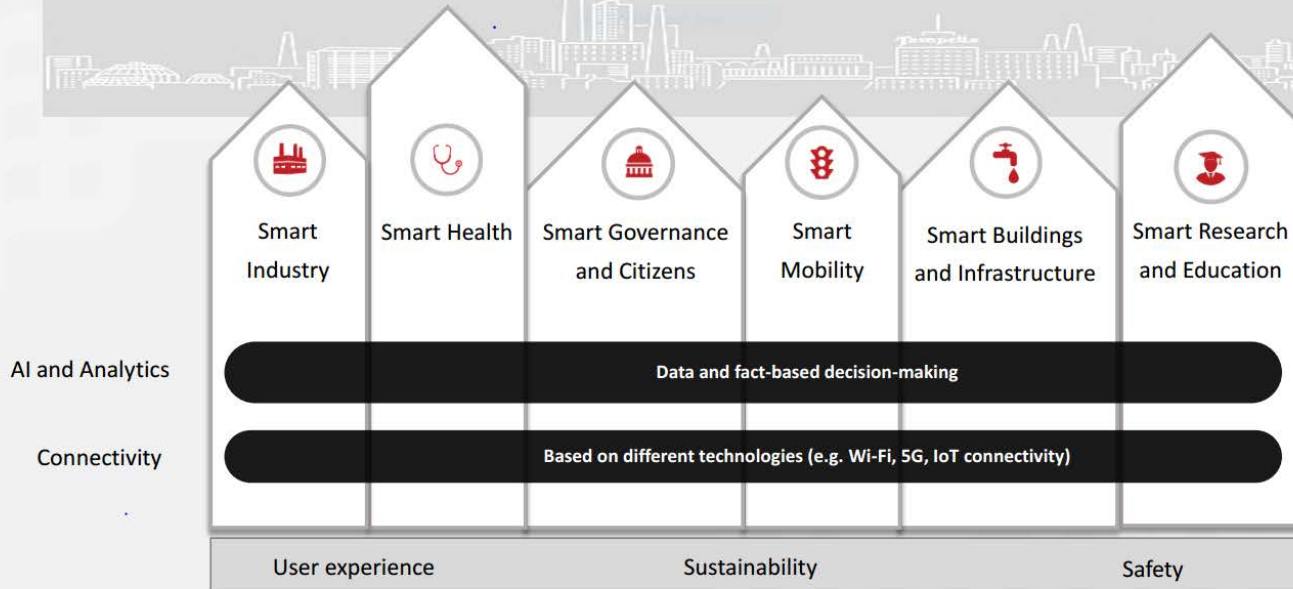
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SMART TAMPERE PLAN

Themes of Smart Tampere Ecosystem

Smart Industry · Smart Health · Smart Governance and Citizens · Smart Mobility · Smart Buildings and Infrastructure · Smart Research and Education

AI and Analytics — Data and fact-based decision-making

Connectivity — Based on different technologies (e.g. Wi-Fi, 5G, IoT connectivity)

User experience · Sustainability · Safety

TAMPERE

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SMART TAMPERE ECOSYSTEM

SMART CITY LAB
WHY?

- In the future cities there will be smart platforms for new city apps and solutions

- There exist strong technology companies (ICT and intelligent machines) and diverse business life in Tampere, city size is optimal for efficent networking, city is strongly linked in Smart City themes. This gives competitive advantage for local operators to build Smart City infrastructure.
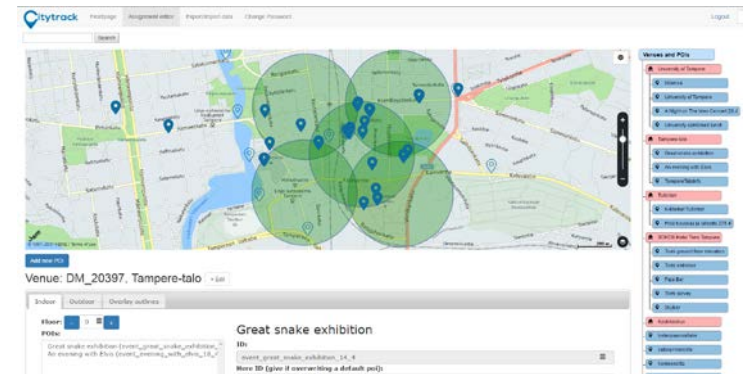
SMART CITY LAB
WHAT?

- Smart City Lab is answer of university to Smart Tampere strategy of the city

- Smart City Lab is the coordination model for research and education in Smart Tampere ecosystem. It offers innovation platform for companies, cities and researchers to develop, test, pilot new solutions, products and services under Smart City themes. Smart City Lab is a modern networking environment.

SMART CITY LAB
WHAT?

- Smart City Lab offers development and connectivity interface to Smart City technologies, systems, issues and researcher community.

- Smart City Lab gathers together already existing project, programs, competence centers and create new ones to coordinate and develop Smart City themes, and subjects under them.

SMART CITY LAB
FOR WHOM?

For businesses Smart City Lab offers

a) Innovation platform to test and pilot new business concepts, develop new products and services to Smart City markets

b) New company level networking -> new business opportunities

c) Researcher community and it's talents

d) Opportunity to re-educate personnel with the university

e) Opportunity to present new development platforms of companies for Smart City network use

f) Opportuníty to find new funding methods for company R&D initiatives

SMART CITY LAB
FOR WHOM?

For the cities Smart City Lab offers platform to test and pilot apps linked to Smart City themes, e.g. location based apps in city development and to make citizen life easier. Helps to desing and develop new city districts as Tampere Central deck and Hiedanranta

SMART CITY LAB

FOR WHOM?

For research community Smart City Lab enables

a) To collect and analyse of new data (e.g. mobility, traffic, navigation, health, buildings and infrastructure, IoT)

b) To find new research funding

c) To work with business community and find job opportunities

SMART CITY LAB
FOR WHOM?

- **Students** can participate to projects and find subjects for thesis. Students can work together with companies in Demola community

- **Citizens** can be active in living labs and provide new service and product ideas for Smart City community

SOME PROJECT EXAMPLES UNDER UMBRELLA

- City Track -project (indoor navigation in buildings and in parking houses/caves + new services in these locations)

- Autonomous electrical bus living lab

- City logistics –project with drones

- Smart Machines and Manufacturing Competence Centre (SMACC)

- Smart Energy Systems Competence Center (SENECC)