



Winter Walkable City

with Digital Twins.
People-Driven.

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TAMPERE.
FINLAND



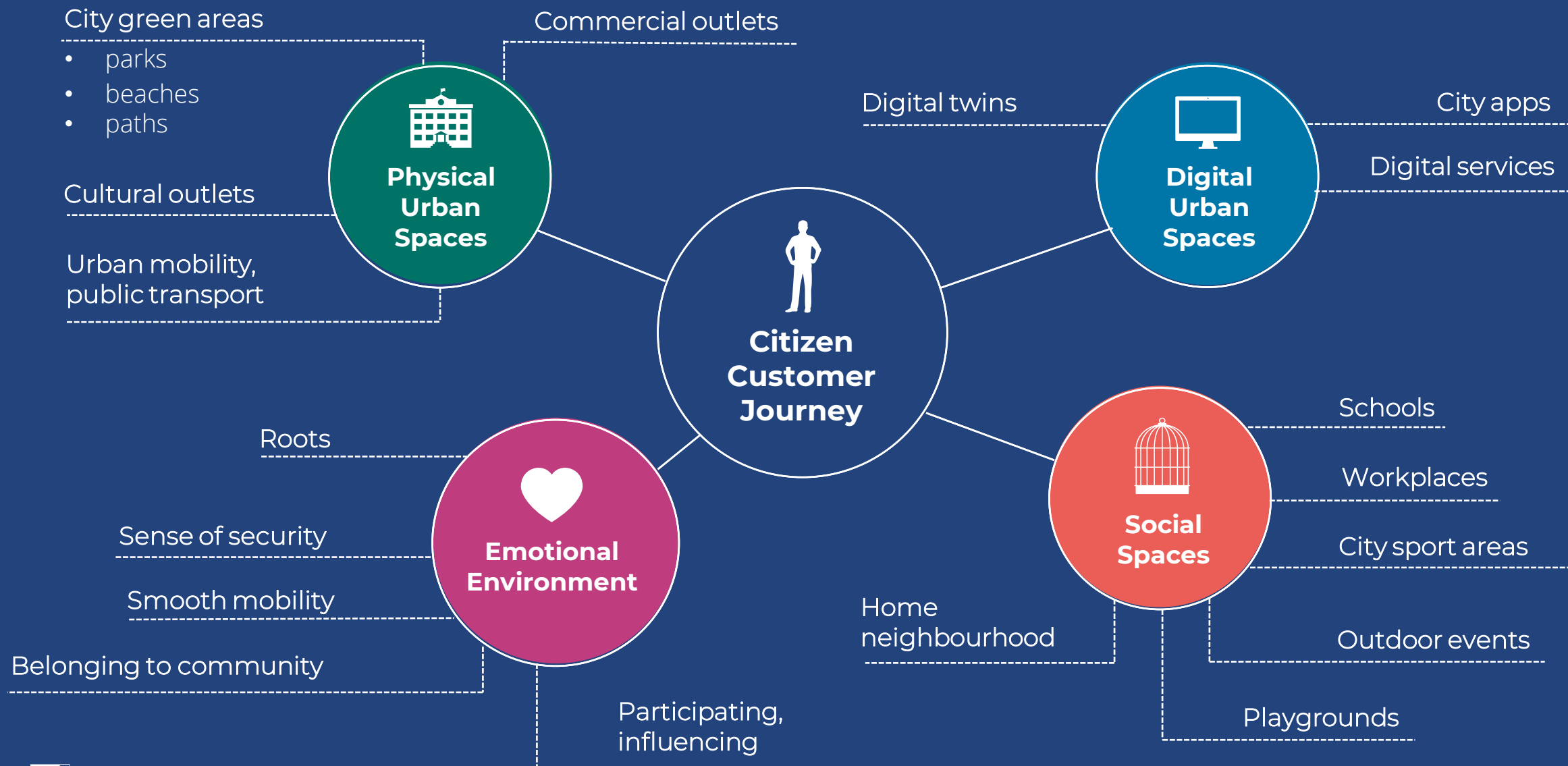
Tampere works closely with leading Smart Cities in the world

- Develop methods to measure wellbeing of the residents in the cityverse
- Develop and test participatory methods with the residents
- Strengthen wellbeing, participation and democracy

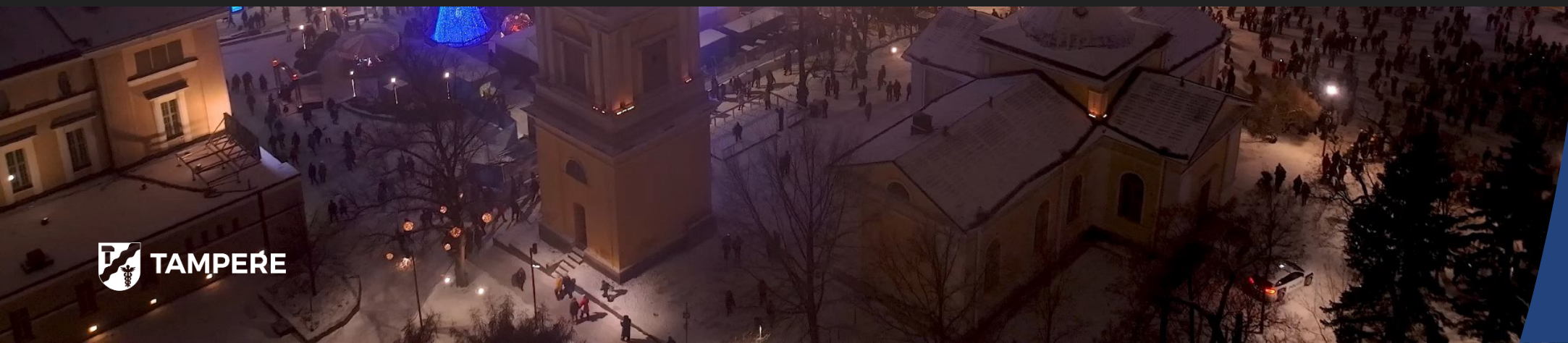
People-Driven Smart & Sustainable Tampere



The future of a Walkable Smart City is created together with all stakeholders based on citizen insights



**Walking in Tampere physically or digitally
enables residents and visitors
to experience the city in
an inspiring, smooth and resilient way.**



The Stage at Laikku



Smart Architectural Lighting

Railway Station & Nokia Arena

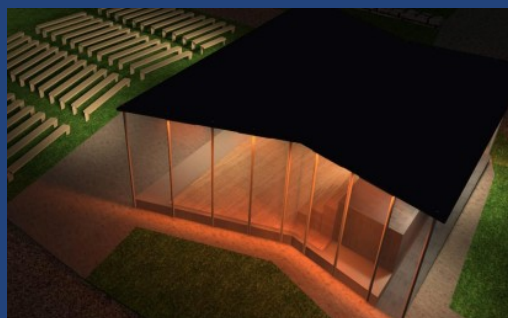
City development built on
green and biodiverse
public space

Hakametsä Sport Campus

Versatile sports centre (indoor
& outdoor)
for people of all fitness levels

Physical Urban
Developments

Digital Twin
design and
simulation
support



Digital atmosphere simulations

Digital simulation with citizens

AI predictive model for tracking
both use of space and
equipment

Digital Twin Support



1.

Citizens are very open to and active in creating a common platform, shared by city planners and citizens, for building a smooth, green and vital city.



2.

Simulations evoke a stronger sense of togetherness and belonging, positively impacting the community



3.

Developing new areas of city green and biodiverse public space in an authentic and people centric way



We have identified **6 digital twin** criteria

1. Accessibility
2. Physical safety
3. Walking attractiveness
4. Reachability
5. Proximity of services
6. Environmental quality



Walking concepts

New walking concepts are being simulated, tested, and analyzed based on the walker profiles in digital twins.

- Cultural walks
(different themes, focus on seniors)
- Walks near school areas (focus on children walking alone)
- Families with children (focus on leisure time)
- Nightlife concept (focus on night-time)
- Station area public space
(combining all elements)

Joining Smart City development forces —Physical and digital

- **Joining forces: citizens, city planners, business owners and culture experts**
- **Sharing simulation of plans before implementing them**
- **Exposing problems before they become a reality**
- **Improve urban living, create economic opportunities and revitalize a close-knit community**

Join our Journey!

City of Tampere

THANK YOU!

