

Smart & Clean

[www.smartclean.fi](http://www.smartclean.fi)



# Miten suomalainen osaaminen saa huomiota maailmalla?

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TransSmart-loppuseminaari  
16.2.2017

A photograph of a sunset over a body of water, likely a river or lake, with industrial buildings visible in the distance. The sky is filled with warm orange and pink hues, transitioning into cooler blues and purples at the top. In the foreground, there's a street lamp and some industrial equipment on the left.

Turning sustainability  
crises from climate  
change and resource  
scarcity into  
possibilities



# The world's greatest challenges are solved in cities

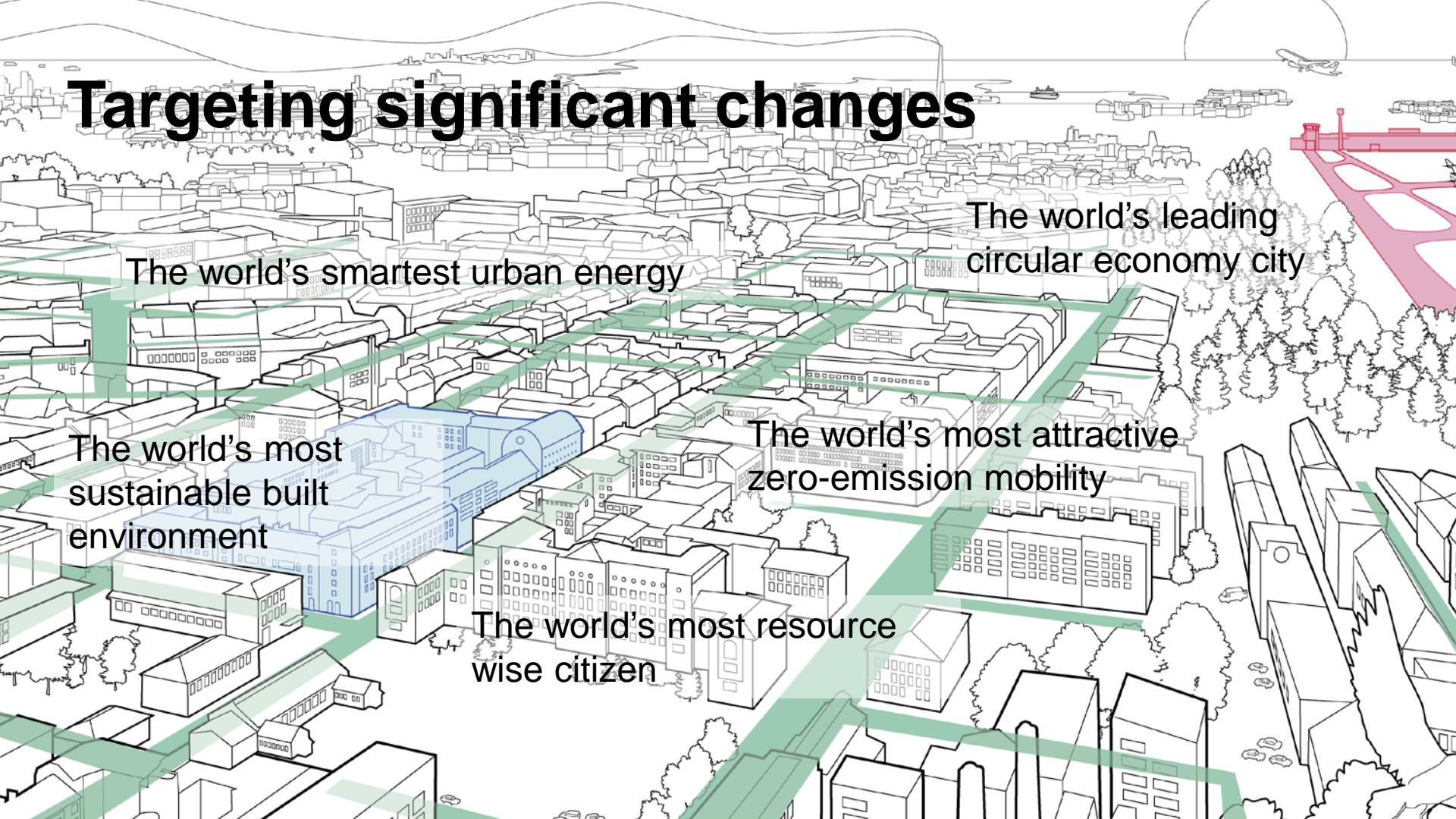




Helsinki  
Metropolitan is the  
best test bed in the  
world for smart and  
clean solutions.



# Targeting significant changes



The world's most sustainable built environment

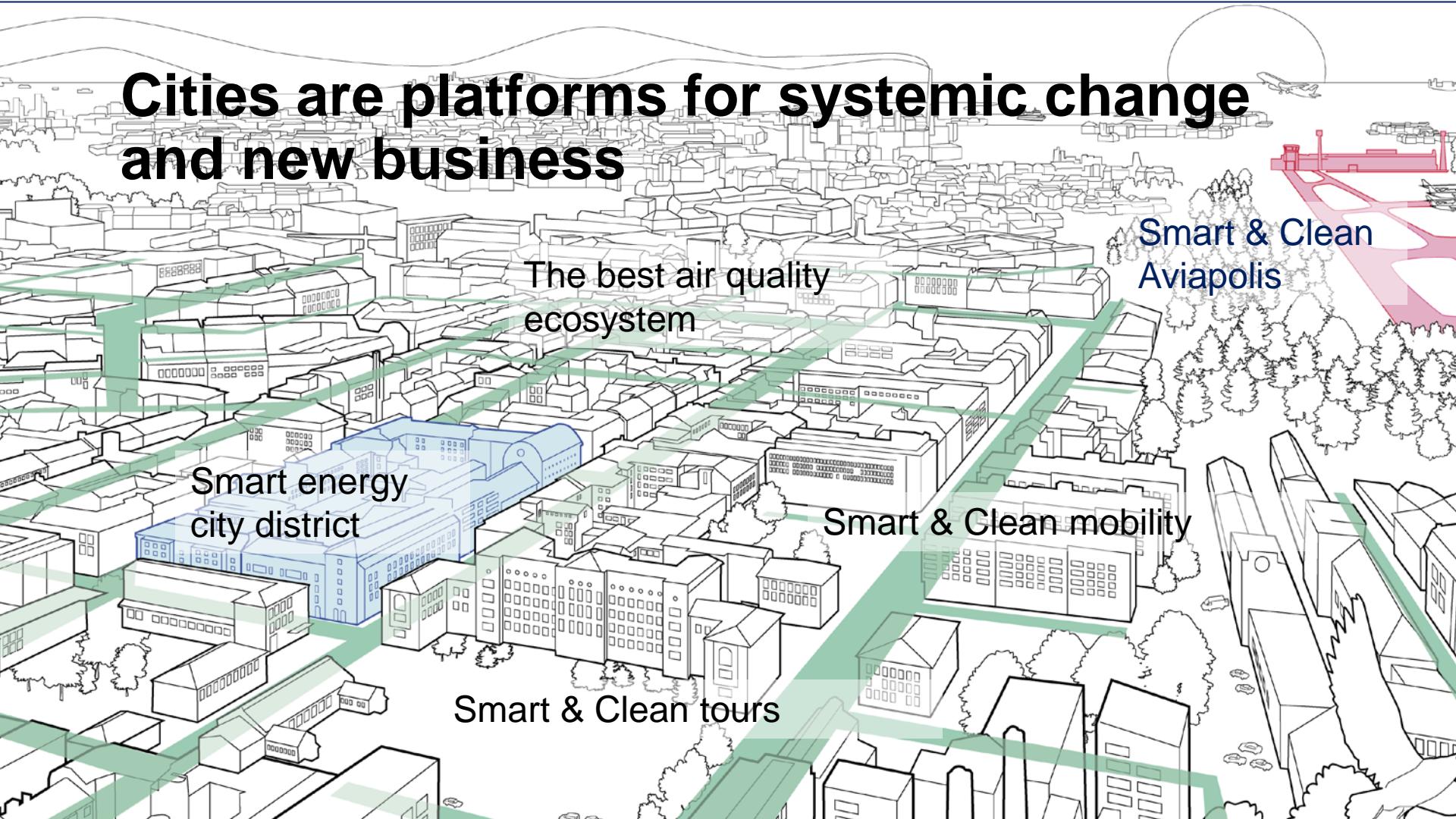
The world's most resource wise citizen

The world's smartest urban energy

The world's most attractive zero-emission mobility

The world's leading circular economy city

# Cities are platforms for systemic change and new business

A 3D wireframe city model with various colored overlays representing different urban sectors. The city is composed of numerous buildings of varying heights and types, with streets and green spaces interspersed. Overlaid on the city are several colored areas: a blue area labeled 'Smart energy city district' containing a cluster of blue buildings; a green area labeled 'Smart & Clean mobility' containing a green road network; a green area labeled 'Smart & Clean tours' containing a green road network; a green area labeled 'The best air quality ecosystem' containing a green road network; and a pink area labeled 'Smart & Clean Aviapolis' containing a pink road network. A small airplane is shown flying over the pink area.

Smart energy  
city district

Smart & Clean tours

The best air quality  
ecosystem

Smart & Clean mobility

Smart & Clean  
Aviapolis

# Tavallista parempia projekteja ja muutostekoja

- Smart & Clean kärkiteemojen edistäminen
- Päästövähennemä ja/tai resurssitehokkuus
- Sosiaalinen vaikuttavuus ja kestävä arki
- Kansainvälinen referenssiarvo
- Liiketoiminta- ja vientipotentiaali
- Usean toimijan yhteistyö, rajojen rikkominen





LAHTI



City of Helsinki



SIEMENS

NESTE OIL



VAISALA

YIT

KONE

Gasum

RAMIRENT

SITRA

Tekes

VTT

A?



HELSINKIN YLIOPISTO  
HELSINGFORS UNIVERSITETI  
UNIVERSITY OF HELSINKI



LUT  
Lappeenranta  
University of Technology

## Unique cooperation leads to scalable ground-breaking export solutions

- Co-creation with cities, citizens, businesses and r&d organizations
- Step change to new climate positive operating models
- Shared objectives and targets
- Early market dialogue
- Cross-sector collaboration and beneficial ecosystems



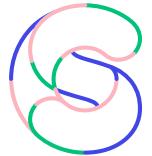
80



# The Smart & Clean community = all off us

[https://www.youtube.com/watch?v=K3Bse\\_TEp4&t=2s](https://www.youtube.com/watch?v=K3Bse_TEp4&t=2s)





**Smart & Clean**  
HELSINKI METROPOLITAN

**Kiitos! Thank you!**

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