

The Bio City

Lahti / Ranta-Kartano

Team Spark,
Lahti 72h challenge
10.11.2023





clean water and nature protection


sport background heritage



growing universities



sustainable approach

What makes Lahti spark in 2040?

“Infrastructure we have now is the platform for the future.”

Andy Brahney

For 2040 how to achieve
sustainable vitality?
sustainable well-being?
sustainable progress?



What is the city about?

Sense of community



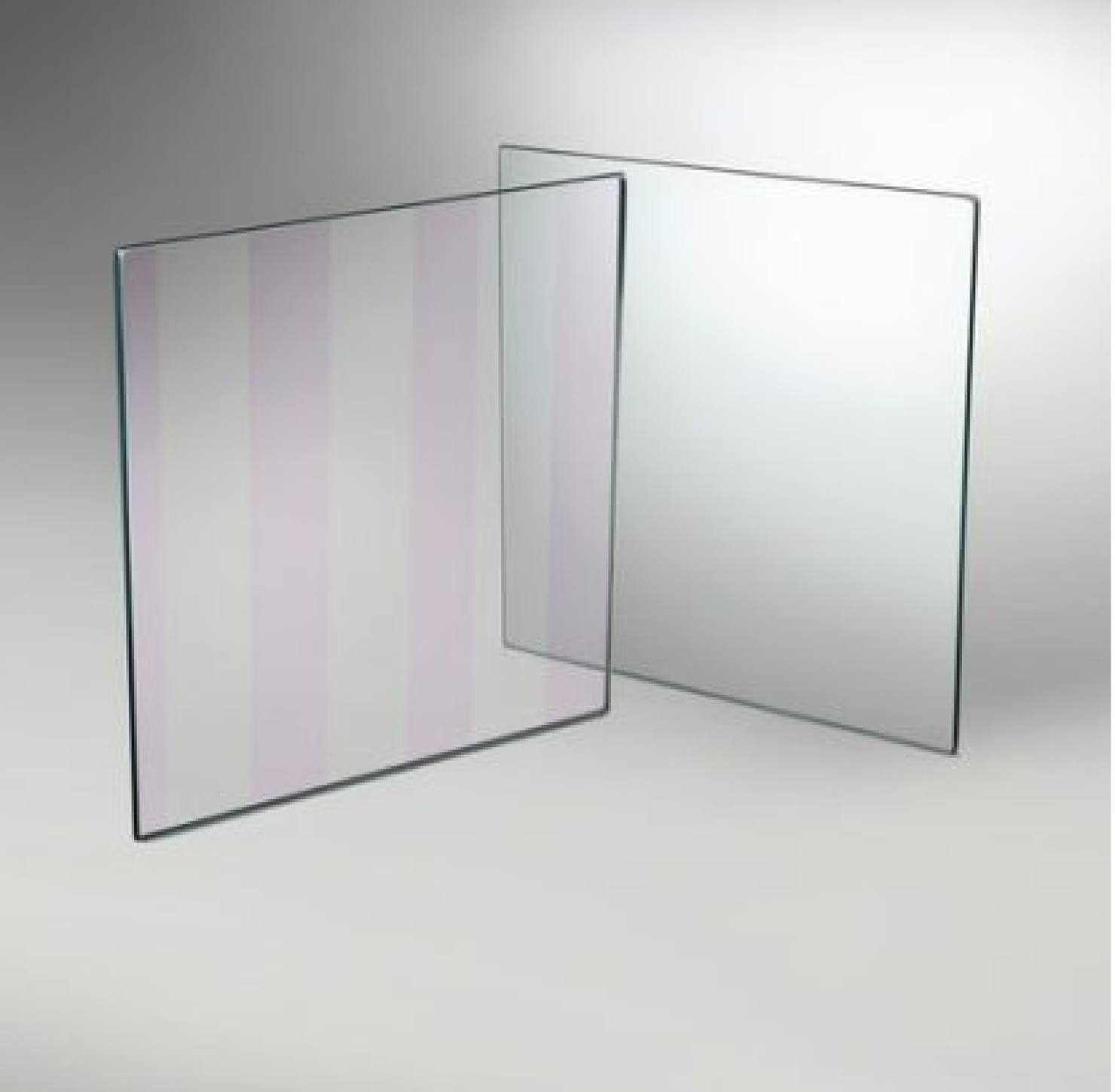
People need people to feel well and give their best


Ranta-
Kartano
Lanupuisto
KARTANO
MATTILANMÄKI
Kiveriönkatu
2956
140
Vesiurut
ArtShop Finland Oy
Malskin Bistro
K-Citymarket Paavola
Lahden Suurhalli
Church of the Cross
(Alvar Aalto's Church)
Lahden uimahalli
Urheilukeskus
Kaarlo Social
Kauppatori
Kosmetologi Natali
Cafe Annika
Aleksanterinkatu
Lahti
Isku Areena
KESKI-LAHTI
Elielinkatu
Radio- ja
tv-museo Mastola
Kaupungintalo
Hotelli & Ravintola
Opiston Kunkku
PAAV
Mannerheiminkatu
Trainstation
Lahti
Intohimohuoltam
167

BioCity
bringing people together




Solutions
supporting
biodivercity on
every level



Bird-friendly glass technology for architecture





- plastic
- metals

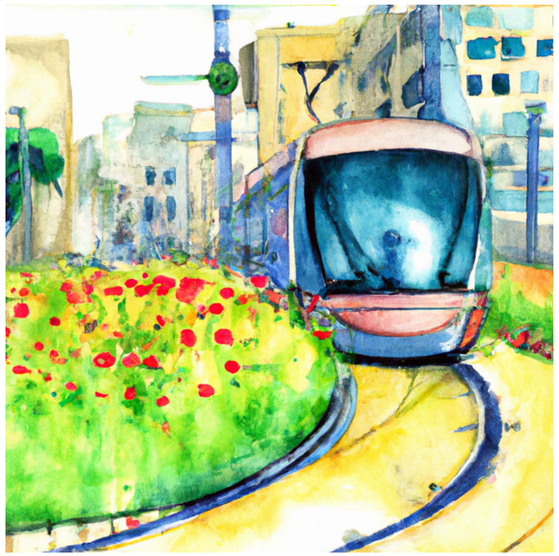
Lahti-products made out of recycled materials



Transportation


TICKET
+

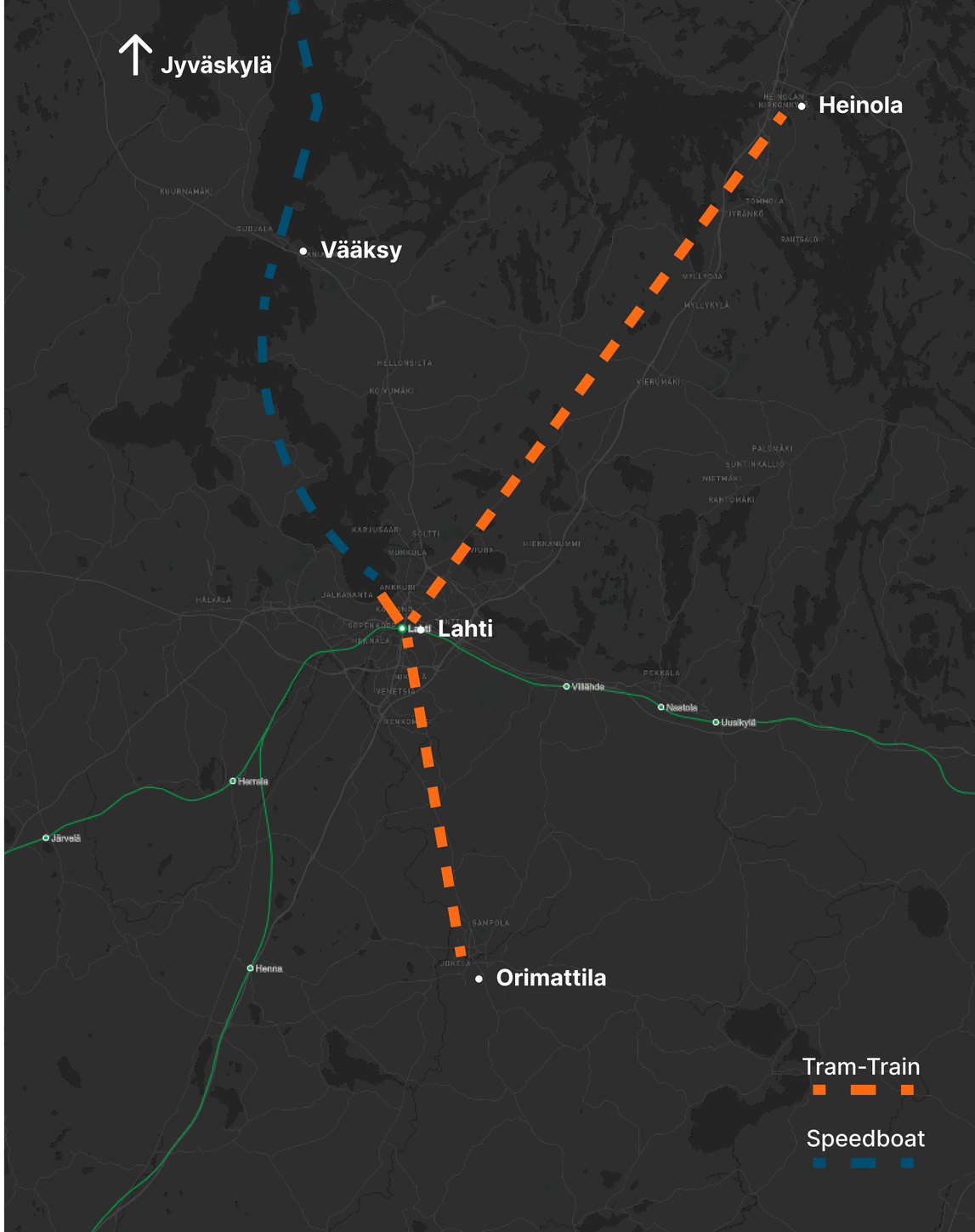
Getting here

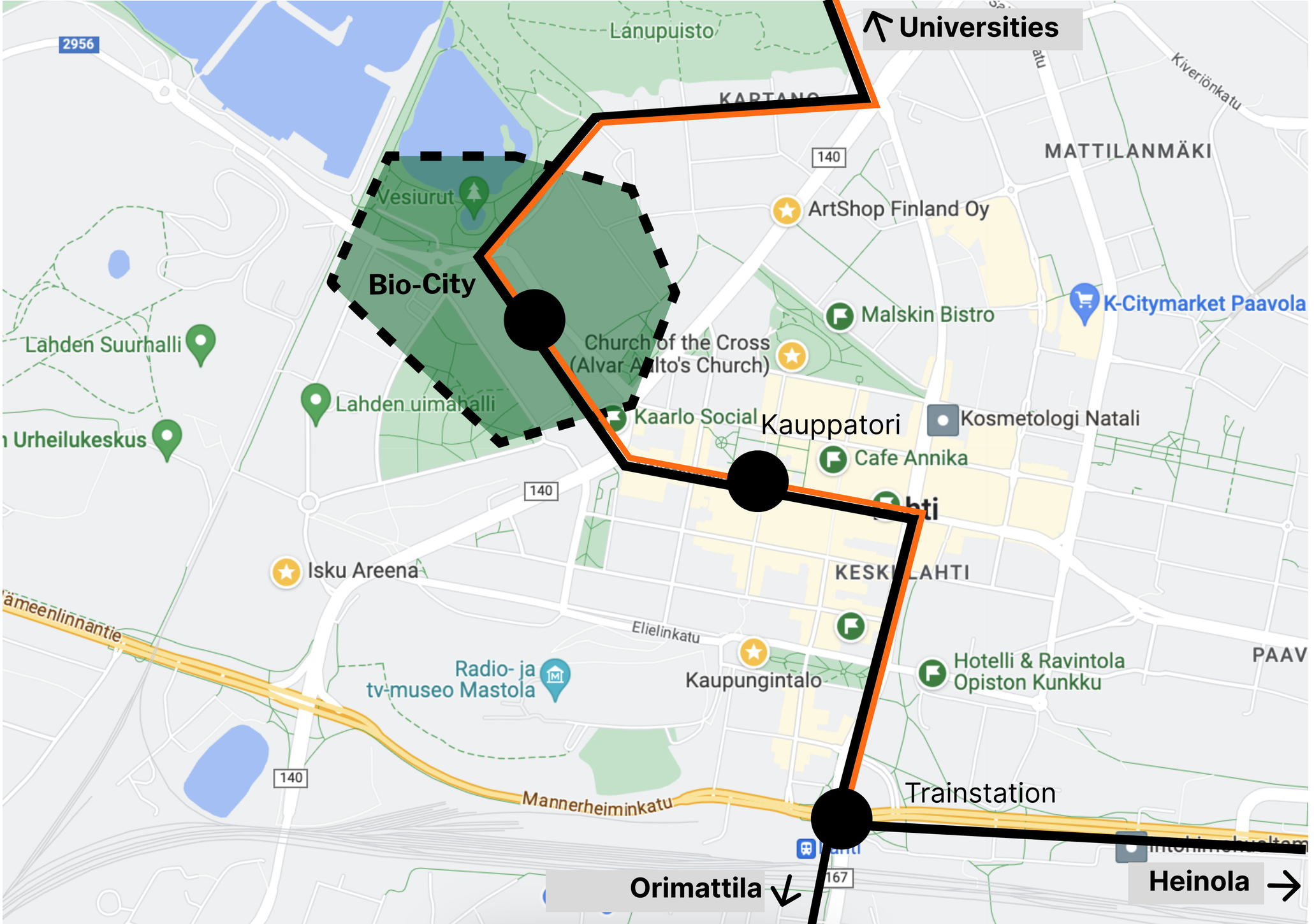


- Battery-powered tram-train connecting Päijät-Häme region



- Battery-powered speedboat to Vääksy and other places via Päijänne




Universities
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Trainstation
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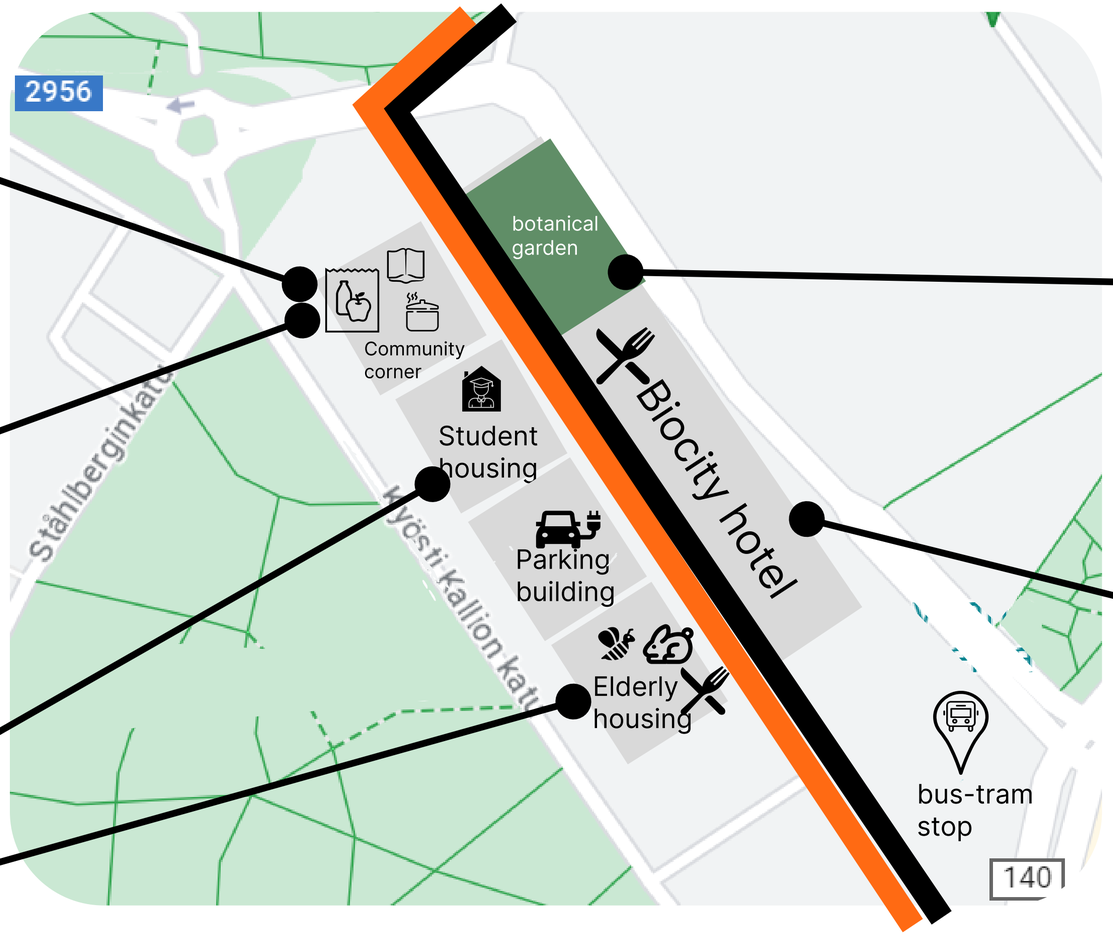
Orimattila
Heinola
Ranta-Kartano area
Soft mobility lane
Tram-train lane
Tram-train stop

Bio-City





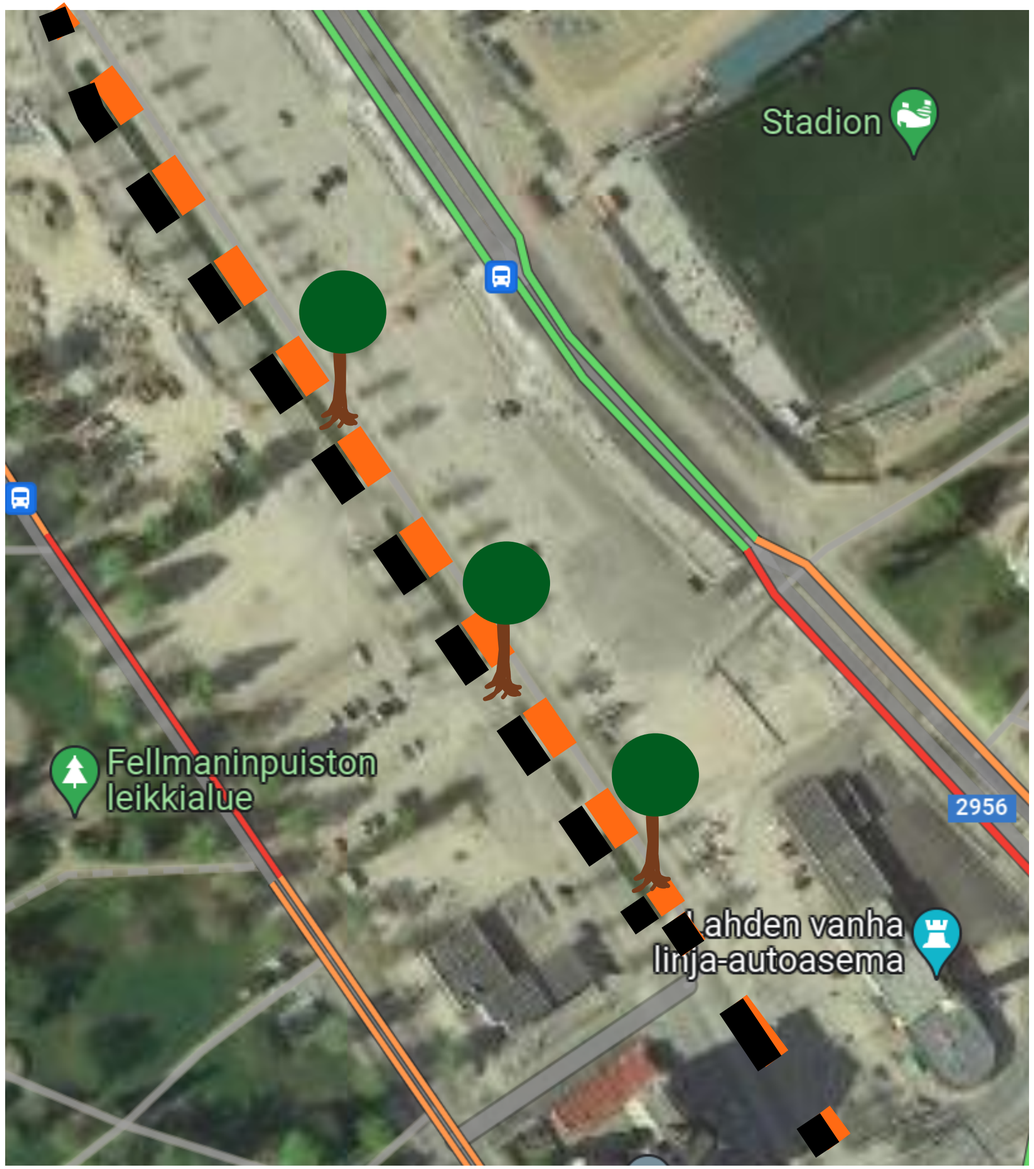



2956
botanical garden
Community corner
Student housing
Parking building
Elderly housing
Biocity hotel
bus-tram stop
140




BIO
City
Hotel
Place for leisure

- soft mobility routes for pedestrians to walk and bike
- tram-train lines across the city





Hotel and a botanical garden





BIO
City
Hotel

Place for leisure





Rooftop sauna-area

- ***NASA Orbital showers & taps***

Saving money by reducing water consumption is one thing, but more importantly this saves natural resources.

Botanical Garden and the main area, with cooperation with universities



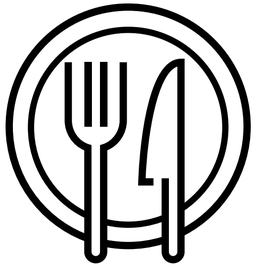
Place to gather all-around year

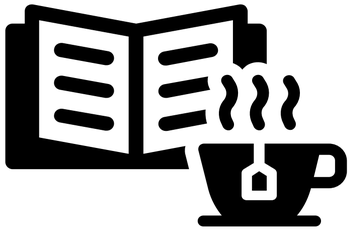




Community Corner









Activities for all groups all nordic four seasons

Living buildings in Ranta-Kartano



Rooftop Garden

- bio-diversity solutions
- closeness to nature
- plants and veggies
- flowers for pollutionators

- rooftop bee garden
- rabbits in the rooftop garden
- chickens to produce eggs
- trained pidgeons



Store for local products from Päijät-Häme region

- honey
- veggies
- fish
- eggs





Culture in the atmosphere and surroundings





How is the life for Ranta-Kartano resident and visitor?



Hassan, 85v
RESIDENT



Maria, 50v
VISITOR

Hassans day in Ranta-Kartano



Wakes up at home in Ranta-Kartano



Goes for a walk in the neighborhood



Breakfast at the communial corner



visit for the Rooftop gardens



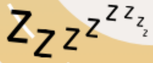
Hassan, 85 resident



Lunch at home, (took the veggies and eggs from the rooftop gardens



Visits the domestic animals at the rooftop



Nap time



Swim at the Bio City hotel



Dinner at the hotel restaurant with friends



Shower and sauna

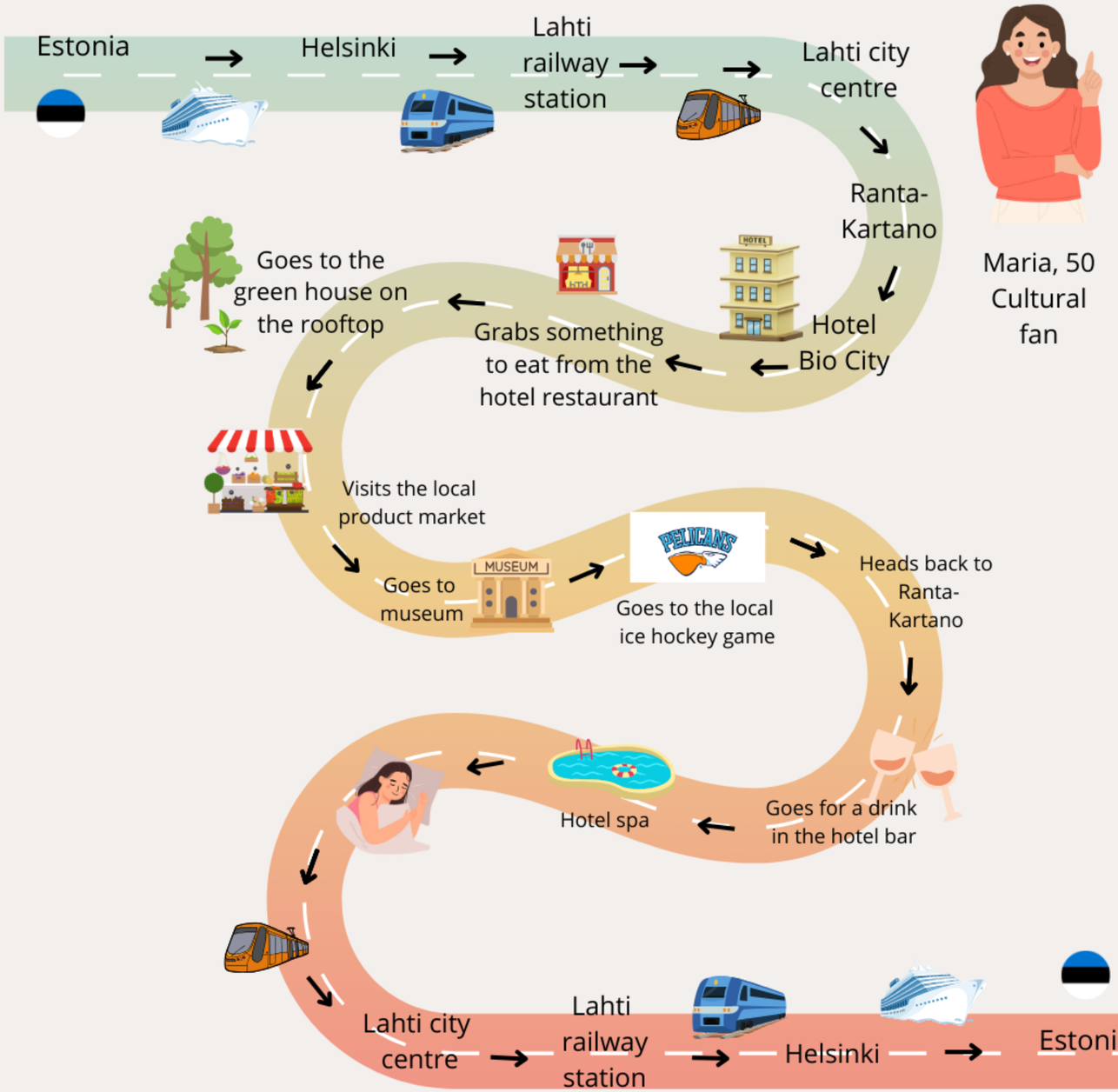


Goes Fishing to Lake Vesijärvi



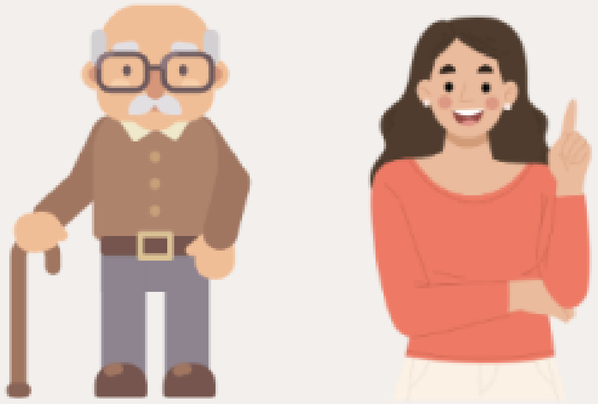
Time to go to bed

Marias day in Lahden Ranta-Kartano



When Maria visits local product market, she ends up small talk with Hassan, who just brough rooftop eggs to the market to sell





Think big, keep it simple!







Thank you,



Lahti

Päijät-Hämeen liitto
The Regional Council of Päijät-Häme

Väylävirasto
Trafikledsverket

uponor | Moving >Water

Telia

PELICANS

RAMBØLL

LUT University

LAB University of Applied Sciences

⚡ Team Spark ⚡



Julia Ivanova



Moona Villa



Piia Hautamäki



Arijeet Avik



S M RASHED HASAN

Sources

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