

City of Vantaa

Airport City of Finland

**From e`services via BIM and City Model
to part of customers processes**

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Vantaa, Finland



City of Vantaa - Key figures

4th biggest city in Finland
with 214 000 inhabitants

Northern part of Helsinki
Metropolis (1,5 M inhabitants)

City of Airport Helsinki-Vantaa

Annual Budget 1.5 Bln euros

Social and health care 0.8 Bln
social services

hospitals and health centers

Education and daycare 0.4 Bln

Technical services 0.3

City planning, Building control

Building and maintenance of public places

Public buildings

RING RAIL
provides an
opportunity for
200,000
potential
residents and
200,000
potential
commuters to
use public
transport

The travel time
to the airport is
30 minutes from
the centre of
Helsinki



Ring Rail Line connects the dots

Opportunity for
200 000 daily passengers

18 kilometers

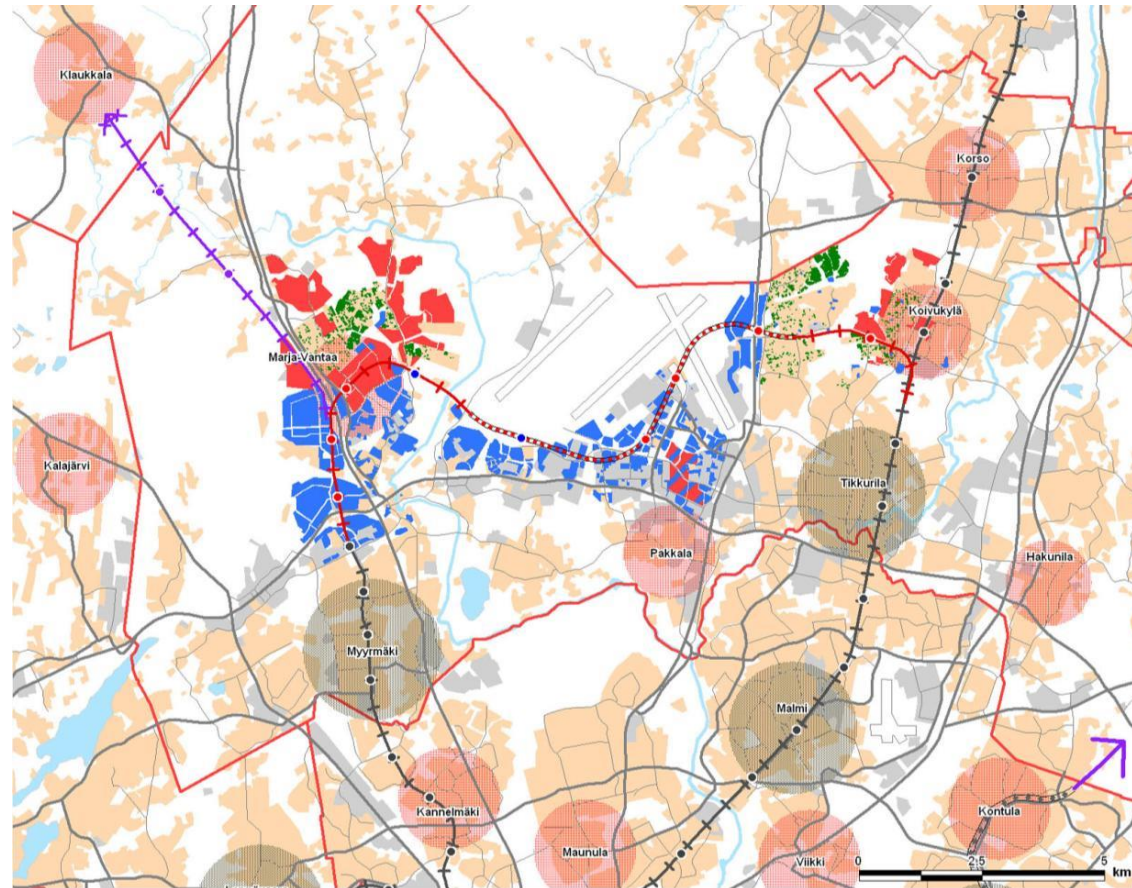
5 new stations

10-minute intervals

783 M€ total cost



30 000 housing units and jobs in Vantaa during next ten years



Over 90 % of Finland's air traffic goes through Vantaa



Helsinki-Vantaa Airport expansion – Over 900 M€ investment

No. 1 airport
in Northern Europe
The fastest way to Asia



20 million passengers in 2020 – Over 16 million passengers today



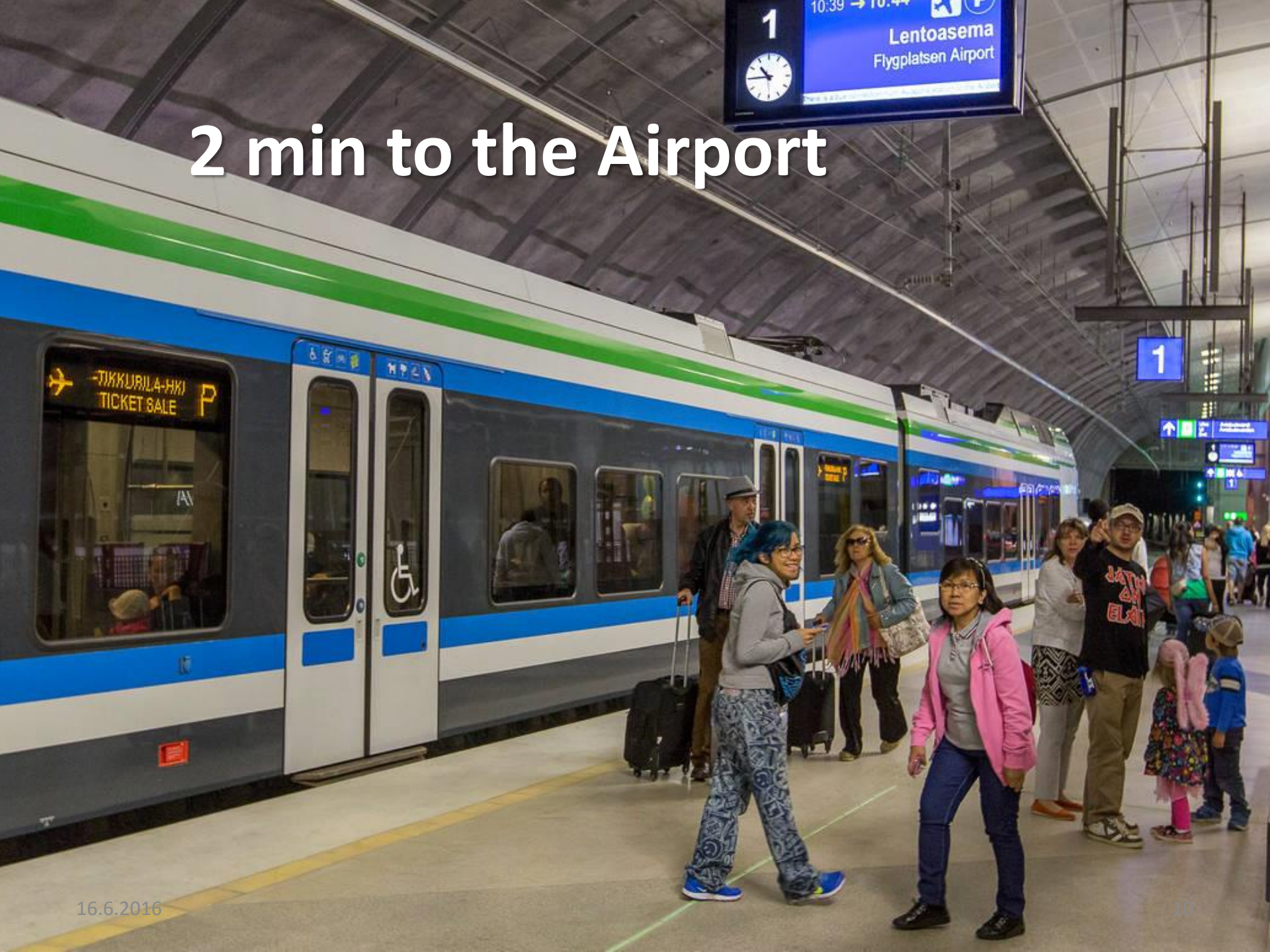
Aviapolis – City's economic engine –

Total investments over 1 000 M€



16.6.2016

2 min to the Airport



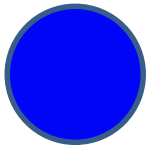
1000+ Companies



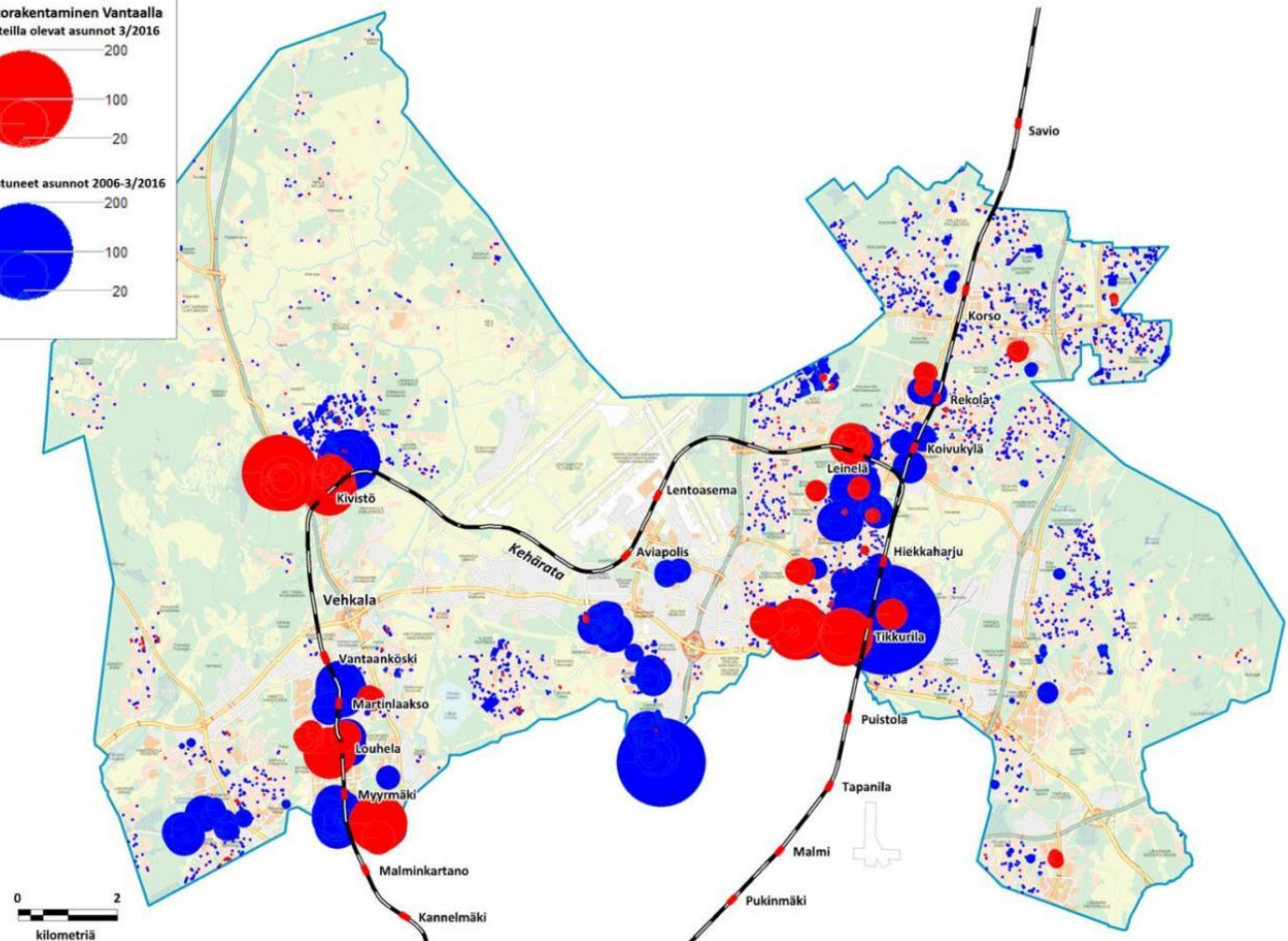
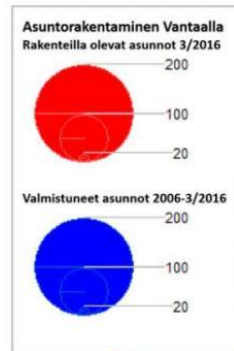
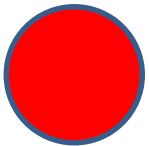
16.6.2016

New opportunities for residential – now more around The Ring Rail

Ongoing



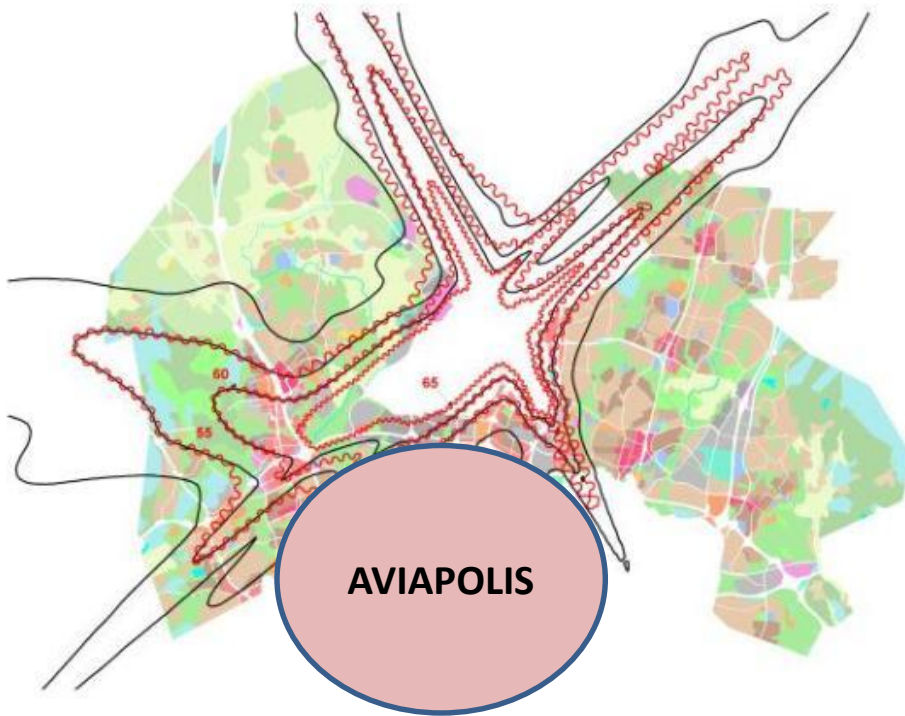
2006-2015



Vantaa

Fira
gravicon

Noise-free pocket



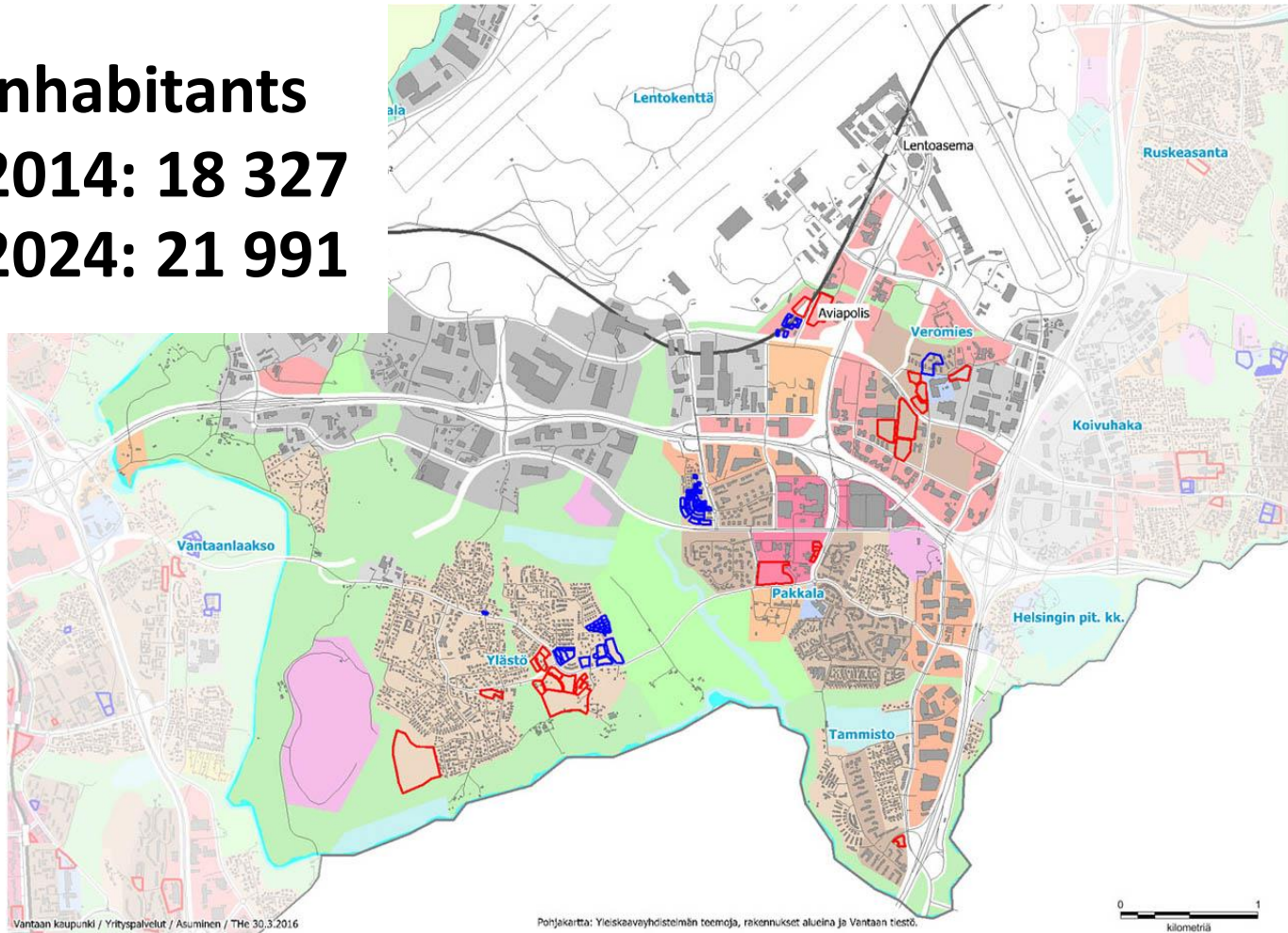
Residential area with lots of growth potential next to the Airport



Inhabitants

2014: 18 327

2024: 21 991

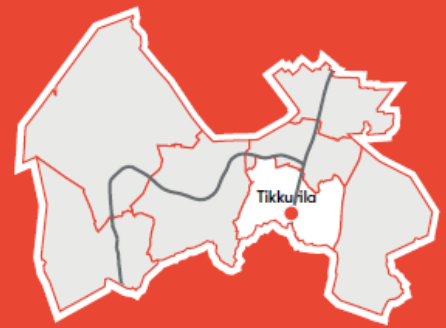


Kivistö City Centre

- Shopping Center with over 100 shops
- Health care services, library, residential, buss terminal ...
- Estimated opening in 2019



Tikkurila – Vantaa's lively administrative center



- Helsinki 20 min
- Airport / Flughafen 7 min



2400

**Our goal: ~~2000~~ new
housing units per year**

**In 2015 the number
we reached: 2689**

**Yearly investments
only for housing along
The Ring Rail more
than 400 M€**

**Investments 2015-2024 ten times more
than The Ring Rail 783 M€
The Airport 900 M€
Aviapolis and other centers 2 000 M€
Residential areas 4 000 M€**



Thank You !

e`-strategy of Vantaa

Promote e` services

Leadership by knowledge

**Modernising of data and
information infrastructure**

Implementation

e`education in schools

**City bought personal tablets to all
schoolchildren**

Building Control in Vantaa

Personnel 40 (average in Finland 1/6000 inhabitants)

12 permitting architects, 14 engineers, 2 lawyers and assisting personnel

Annual budget 3.5 M€

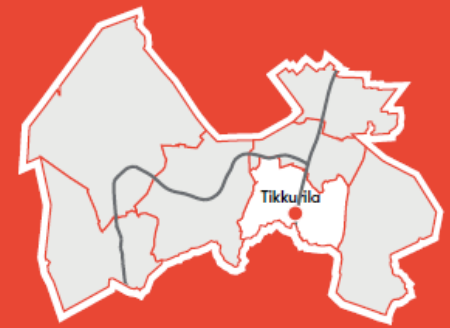
Covered by fees

6,3 € / sqm + about 10 % additional, (= about 0,5 % of total building costs)

Permits about 1500 / year

3000 apartments, 350 single houses, offices, storages etc. 450 000 sqm²

Building permit, technical survey, site inspections



• Helsinki 20 min
• Airport / Flughafen 7 min



Building Control

From e-permitting via modelchecking to part of customers processes

- **Started in 2014**
 - All single houses 11/2014, All permits 11/2015, site inspections 11/2016, BIM inspections 11/2017
- **Concerns all activities**
 - Application, consultation, decision making, statistics and archive
 - No papers in any part on the process
- **Lupapiste.fi**
 - Operating system
 - Developed under umbrella of Ministry of Environment
 - Operator Solita Oy