



# Last mile projects

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## Facts & Figures

- **Capital** of Estonia, located in the North Eastern part of Europe
- **City rights** since 1248
- **Area** 159.1 square kms
- **Waterfront** 46.2 kms
- 3 rivers, 2 lakes , 1 island
- **Population**
  - Estonia 1 323 824
  - Tallinn 440 052



**It takes you 3 minutes to boil an egg everywhere in the world. In Tallinn in 3 minutes you can for example:**

- Boil an egg
- Submit tax returns
- Sign a document with 10+ participants, all located in different cities
- Get a digital prescription
- Name a baby and apply for maternity pay while on leave
- Establish a company
- Check your teenagers grades, etc.

Only three things cannot be done digitally yet– getting married, getting divorced and buying a house

Digital signature saves 5 days a year and the stack of paper saved every month is as high as the Eiffel Tower.



## Mobile Tallinn

- The only capital in Europe, where international airport, international harbour and international railway station are within 5 km radius
- Hyperloop 1 has chosen Tallinn-Helsinki connection as one of their perspective routes
- Rail Baltic – the new international railway to Europe will start from Tallinn
- Tallinn and Helsinki are planning an undersea railway tunnel connecting two capitals

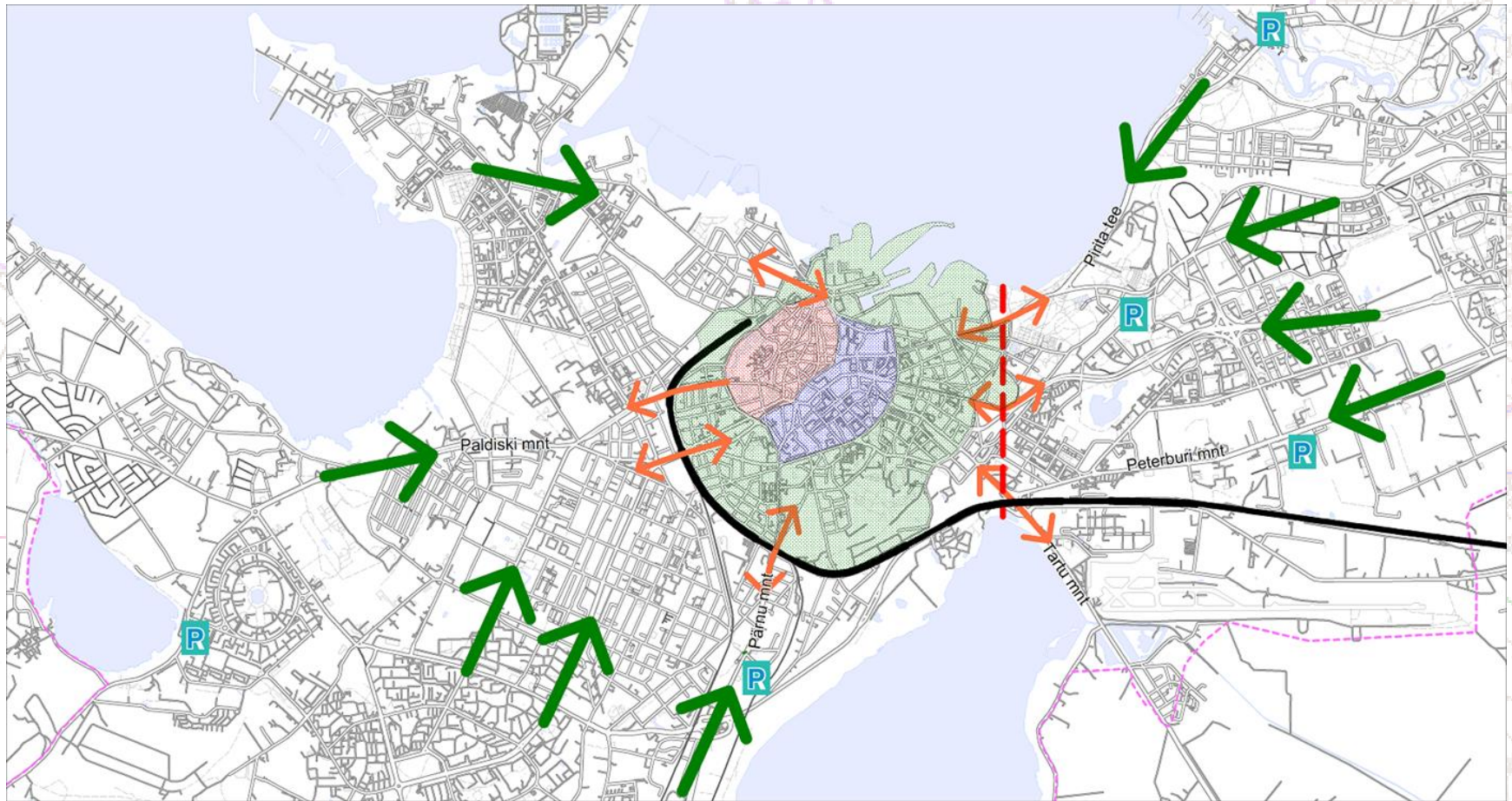




- Free public transport since 2013 has brought more than 30 000 new registered citizens to Tallinn
- Contactless public transport card (MIFARE Classic)
- Real-time public transport tracking system
- 5 free Park&Ride areas with 210 spaces
- 95% of drivers use m-Parking
- Restructuring streetscape - from cars to people



# Geographical location of the city





# Old Town situation



# EU Project in Transport Department

- SOHJOA Baltic – Self-driving bus Project
- FABULOS- 6 self-driving bus Project
- Freight TAILS
- E-ticketing in Tallinn and Helsinki
- FinEstSmartMobility
- SUMBA
- FinEstLink
- TalsinkiFix
- SUMP





# SOHJOA Baltic



SOHJOA BALTIC

- Sohjoa Baltic researches, promotes and pilots automated driverless electric minibuses as part of the public transport chain, especially for the first/last mile connectivity.
- Sohjoa Baltic consortium has partners from Finland, Estonia, Sweden, Latvia, Germany, Poland, Norway and Denmark



# Self Driving /automated system

- TalTech / Silberauto – Iseauto
- Pilot 5G
- <https://www.youtube.com/watch?v=-GZXxkQ5qCE>
- In autumn 2016 the Government Office of Estonia together with MEAC initiated an expert group on self-driving vehicles
- The expert group on self-driving vehicles, and the working group of self-driving vehicles legal issues, proposed to create a broader regulation not only for self-driving cars, but for all IoT (internet of things) robots (stock-exchange robots, medical robots and other technology containing elements of artificial intelligence).



- **Parcel delivery robots** legally on streets since 14.06.2017
- **Self-driving cars/buses** are legally allowed on streets since 22.3.2016
- **Ride-sharing** is legalised and properly taxed since 14.06.2017





# Starship Accident

- <http://tv.delfi.ee/uudised/paevauudised/video-kristiines-porkasid-kokku-pakirobot-ja-auto-seaduse-jargi-oli-robotil-eesoigus?id=79569736>



# Cleveron

<https://www.youtube.com/watch?v=jgBMMspyY0w>



# SMART PARKING



**THANK YOU!**  
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