

Michiganos Allegarias (Michiganos

Michiganina kuti pamia panyak man kuta

Affeteskinst ko

HILL Y

Pinta linnaos

## Tallinn's challenges between its golden circle and passenger ports in city centre

Tallinna linn

Jaagup Ainsalu

City of Tallinn

Tallinn strategic management office smart city competence centere

Alexandianovik

Lehma sitta

Thousand to be

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



The St. Moment Appropriate

Jilliyeekillä-killa

Alexand David

Lehma killa

Whou more time



Machinarios Autorimo marchino has

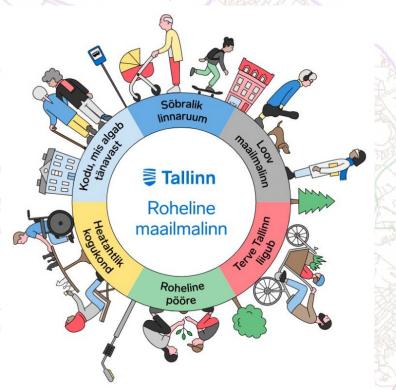
It takes you 3 minutes to boil an egg everywhere in the world. In Tallinn in 3 minutes you can for example:

- 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

## Good plan need's a vision (Tallinn 2035 development strategy)

- change of mindset and will be a valuable base for decisions
- Strategy focuses on six goals, which cover the topics of urban space, community, green revolution, world city, proximity to home, as well as a healthy and mobile lifestyle



Richard Inna linn

Richard Inna

# Tallinn Sustainable Energy and Climate Action Plan 2030

Climate-neutral Tallinn is a comprehensive system of political, economic, technological, educational and administrative activities in order to:

- •reduce the climate impact of urban living and management;
- adapt to climate change, as it will not be possible to stop climate change any time soon;
   and
- •do all this in a diversifying, innovative and economically smart manner for the economy and the urban environment.

Climate-neutral Tallinn has set goals for both climate change mitigation and adaptation:

- •To reduce greenhouse gas emissions (hereinafter referred to as GHG) by 40% by the year 2030 and to work towards climate neutrality.
- •To plan actions to better adapt to the changes and risks posed by climate change.

## Climate-neutral Tallinn

Tallinn Sustainable Energy and Climate Action Plan 2030







# **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
- Ongoing self-driving bus test



### Tallinn port





- main lines:
- 1) Finland
- 2) Sweden
- 3) Cruise ships
- Before corona 9 million passanger, now about 2-3 million.

## Tallinn port





https://www.youtube.com/watch?v=uL 4d5pe <u>lws</u>





- Inhabitants about 600 000
- 48 %, co2 emission is coming in Tallinn and Harju
- More than 40 000
   private cars commuting every day Tallinn and Harju.

Järvekülä-külk

A CONSTRUCTOR

Lehma kilta



#### **Smart Mobility**

Buses using biofuel. will reduce the urban environment by almost 25,000 tons per

year.







## P&R system

Viimsi va

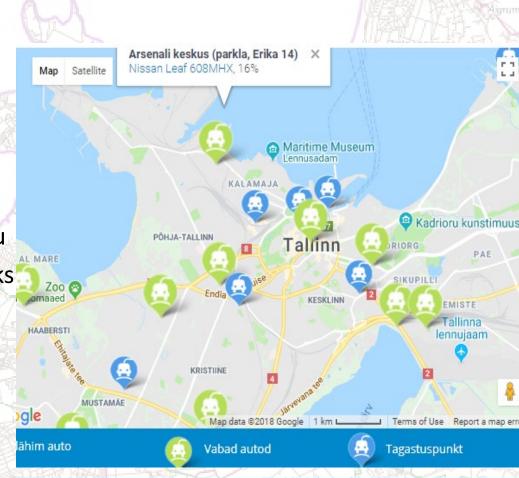
Madigarioa Auto France programme Artist

Kaardil on kirjeldatud iga liini kohta Pargi & Reisi Oru sõiduaega kesklinna. **Pirita** 44 Hobujaama 8 Hobujaama ~15 min 34A Hobujaama Narva mnt KESKLINN Kalev Paldiski mnt Peterburi mnt Rannamõisa tee 5 Vabaduse väljak Vabaduse väljak ~10 min Väike-Õismäe 14 Vabaduse väljak Vesse 18 Vabaduse väljak 16 Vabaduse väljak 20 Vabaduse väljak ~9 min 54 Estonia 22 Vabaduse väljak ~23 min 20A Vabaduse väljak 36 Vabaduse väljak 46 Vabaduse väljak 36 Vabaduse väljak R



#### Electric cars short term rent

- Key free, you just need a cell phone to rent
- 31 environmentally friendly electric and hybrid vehicles (Nissan Leaf and Mitsubishi i-Mievs)
- Rental points in Tallinn and Tartu
- The use of public transport tracks helps to avoid congestion
- Costs 4 €-6€ per/ Hour
- ELMO Rent self driving Tram



tasaneesne plakik

Viimsi va

B: 59°27' 19.2(L: 24°4 paldiski mnt TALLINN KRISTIINE Sojamäe Sadama tramm (esialgne trass) - 2,5 km Kalaranna tramm Kalaranna trammi lõpuosa variant raudtee koridori kaudu Kalaranna trammi lõpuosa variant Erika tn kaudu Tallinna haigla tramm AMAE Rahu tee tramm Rävala puiestee tramm (esialgne trass) Ülemiste järv Lubja-Las namäe-Valge tn tramm Pelguranna tramm Puhangu tn kaudu Pelguranna traamm - variant Kolde pst kaudu Peterburi tee-Punase tn tramm

Strateegiakeskus mai 2021

Tallinna trammiprojektide prioriteedid

Peetri tramm (koos Rae vallaga)

Lengue Sara

Tallinn
Car-sharing and E-Scooters

- 3 E-Scooters companies (Bolt, CoModule, PrimeBike)
- 3 carsharing companies (Elmo, Bolt, CityBee)
- E-Scooters rental point ( 60 + spaces
- Next? Bike rental and charging station







Self-driving bus in Tallinn

- It's legal to test the selfdriving bus/cars in open roads in Estonia.
- Estonian Transport
   Administration do the exam
- 2017 Estonian presidency of the council of the European unioon – First Pilot 2 EasyMile buses.



Järvekülä-kulla

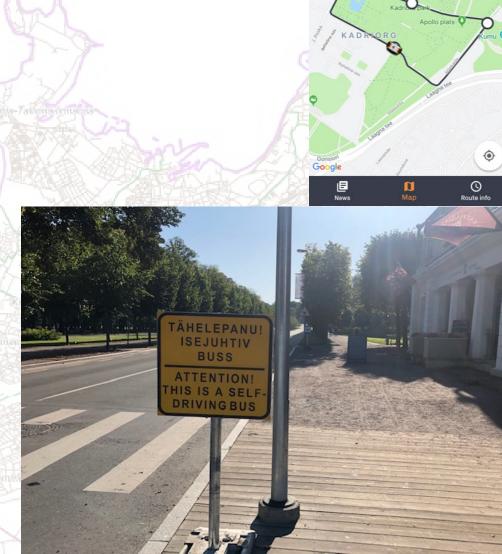
37.14



#### **Self-driving bus in Tallinn**







Tallinn: Kadrioru park

## Self-driving bus in Tallinn









Liften kille

Ulineakilla killa

According about

Lehma sitta -

physical pro-

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







Tallinn
Al for the smart mobility in Tallinn











Tallinna linn

#### **THANK YOU! JAAGUP AINSALU**

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