

A white silhouette of a city skyline with various buildings and spires, set against a blue background at the top of the slide.

Moving smartly towards sustainable mobility in the cities (big picture and multiple small steps towards implementation)

Andres Harjo
Head of Tallinn Transport Department

Sustainable Urban Mobility Plan (SUMP)

- SUMP specifies the targets and measures that are set in development strategy "Tallinn 2035" in the field of mobility.
- Detailed focus has been set in SUMP on KPI-s and monitoring issues.

The main objectives of SUMP

- The modal split in Tallinn region is balanced.
- The mobility infrastructure of Tallinn region is accessible, and the destinations are well connected for all transport modes.
- The mobility environment of Tallinn region is safe.

The main topics of SUMP

- WP1: Integrated and safe urban space
- WP2: Fast and convenient public transport
- WP3: Convenient cycling
- WP4: New technologies and services
- WP5: Regional and international mobility
- WP6: Parking suitable for urban environment
- WP7: Traffic control and planning

Traffic management

- Data gathering, processing and generating decisions is a key for modern traffic management.
- Adaptive management-> focus on corridor, not just one intersection->margin of error increases.
- The transition in urban space must be the first step, then apply smart solutions and technology.
- Challenge: Detecting pedestrians and cyclists

Public transport – ticketing and RTI system

- Account based ticketing system since 2012:
 - data flow
 - integrated with real time information system
 - cross usage of cards (bank card since 2018)
 - multiple sale channels
- Launched new tender (10 years)
 - Open API
 - Dynamic QR code
 - Real time information system
 - Passenger counting
 - Interfacing with Nordic countries - ? standard
- E-ticketing project – challenge because half working integration

Public transport – clean vehicles, new lines

- Carbon-free public transport by 2035
- Battery-powered trolleybuses vs electrical buses->extension of the line network.
- Tramnetwork extension -> new lines
- Transition to demand-based PT line network

Digital traffic model for Tallinn (since late 2021)

- Based on PTV Visum:
 - Implementation of integrated supply models for cars, trucks, and public transport.
 - Determination of model area and traffic zones – derived from counts.
 - Setup of an integrated land use data model as input for passenger demand calculation.
 - Design of tour-based passenger demand model for a 24-hour workday.
 - Generation of fixed matrices for commercial traffic from existing statistics.
 - Model calibration and validation.
 - Development of forecast scenarios.

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Digital Tallinn

Test In Tallinn

Main supporting organisation –

**ITS Estonia
and
its partners**

Thank you!

Andres Harjo

Head of Tallinn Transport Department

andres.harjo@tallinnlv.ee



Tallinn