Estonian Vision on Smart Transport and Mobility

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ITS Estonia

essential

Best secret weapons.

+internet is a social right

+every Estonian resident has an electronic ID

+99% of services are online

+Estonians trust e-solutions

empowering

Easi**est** life: only getting married cannot be done online.

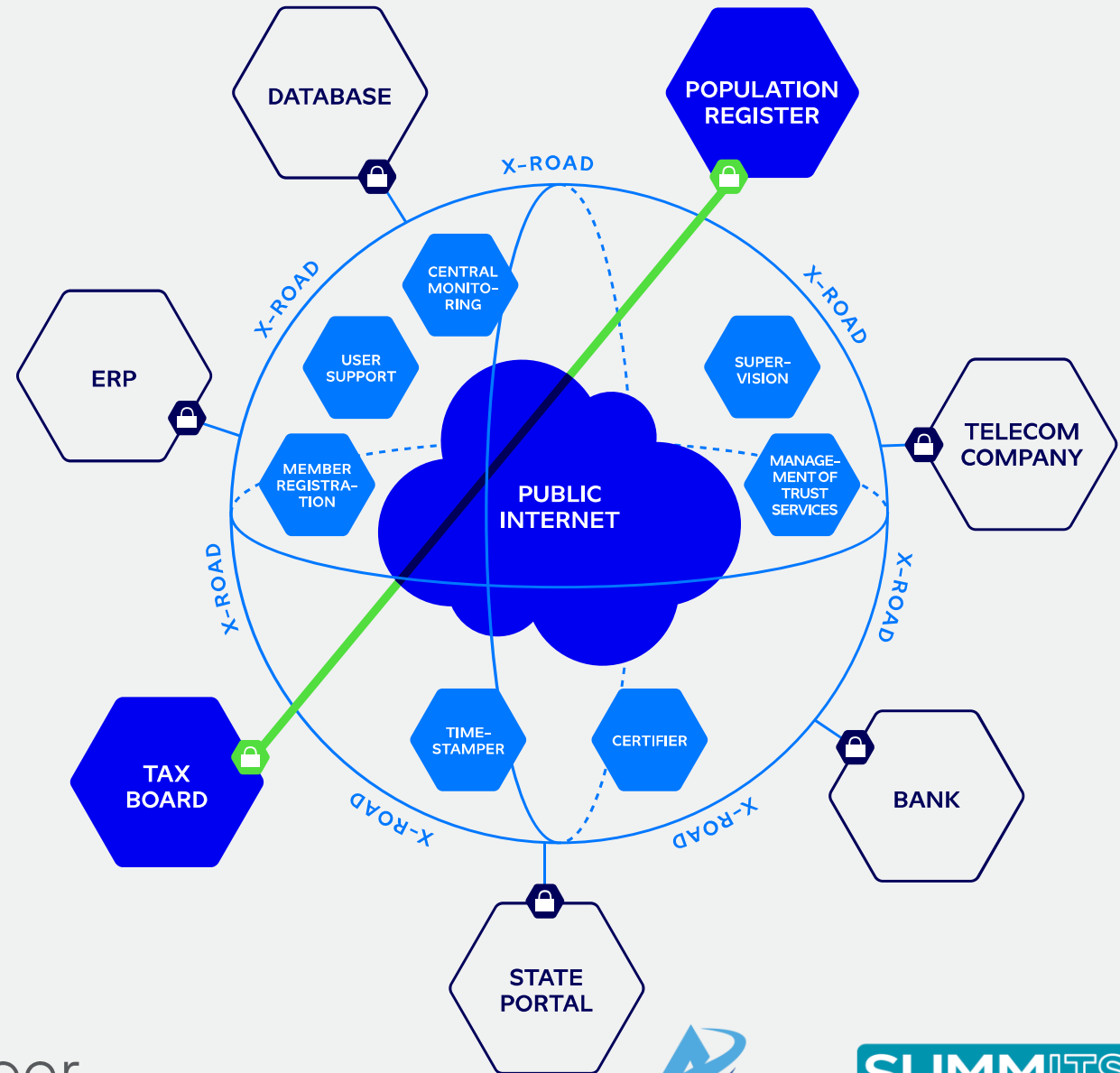AUS TÜRKİYE
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elaborated

Clear and hon*est* principles.

+once-only
+digital by default
+trust-by-design
+open internet

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exchange

The busiest highway of e-Estonia – X-Road from 2001.

+ saving 844 years annually
+ over 450 institutions and enterprises
+ 150 public sector institutions
+ over 3000 different services
+ over 900 million transactions per year

Main challenges in mobility

- How to ensure the accessibility of mobility for everyone, especially in the energy crisis situation?
- How to achieve the climate targets?
- How to get closer to vision zero in transport safety?

The answers to these questions are - innovation and digitalisation.

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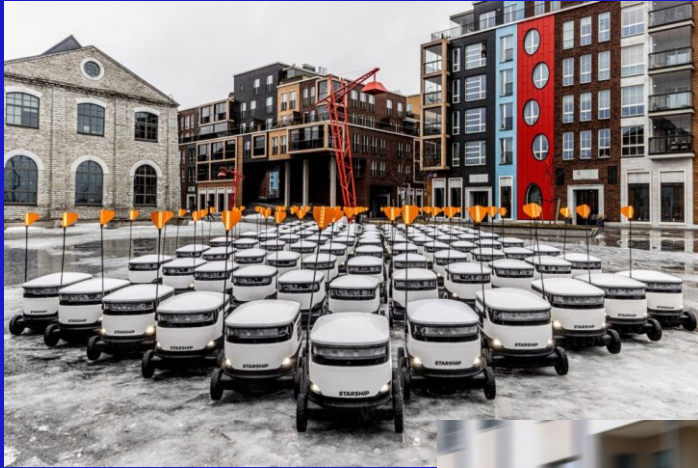Safe | Secure | Green | Integrated | Resilient

Making automated mobility a reality for passengers

- Testing AV allowed on public roads since 2016
- Integrated with public transportation – covering last and first mile to mobility hubs
- Piloting on-demand approach
- Worlds first autonomous hydrogen vehicle
- Remote-controlled electric cars in open traffic

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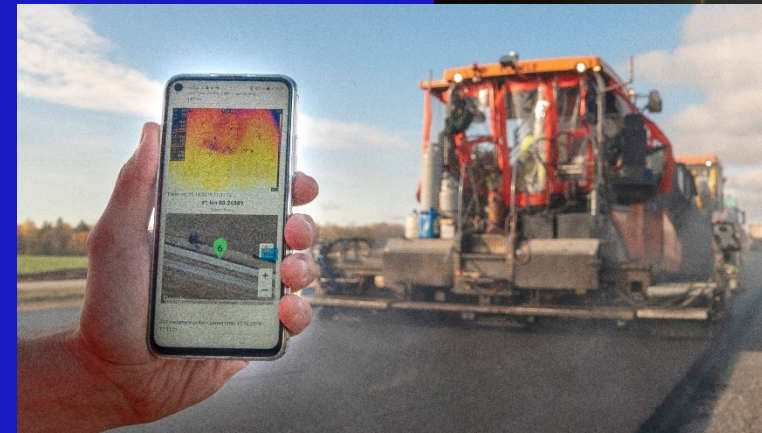
Using autonomous solutions for last mile of freight

- Parcel delivery robots on the streets since 2017
- Unmanned semi-autonomous last mile delivery vehicles in open traffic since 2021

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Implementing smarter and digitalised infrastructure

- Smart pedestrian crosswalks
- Smart road pavement
- Road weather information service
- Technology for ensuring quality of
  road pavement

...and other solutions in use for ensuring
better and safer environment
for users.

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Building seamless multimodal mobility

- Procuring MaaS for two biggest cities

- Demand-responsive transportation in rural areas

- Innovative contactless multimodal ticketing solutions
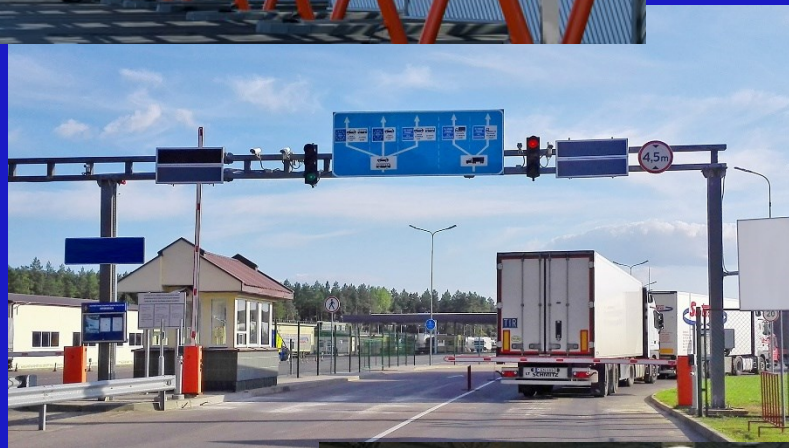
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Moving towards greener and active mobility

- Integrating micromobility solutions with other transport modes

- Developing micromobility infrastructure networks
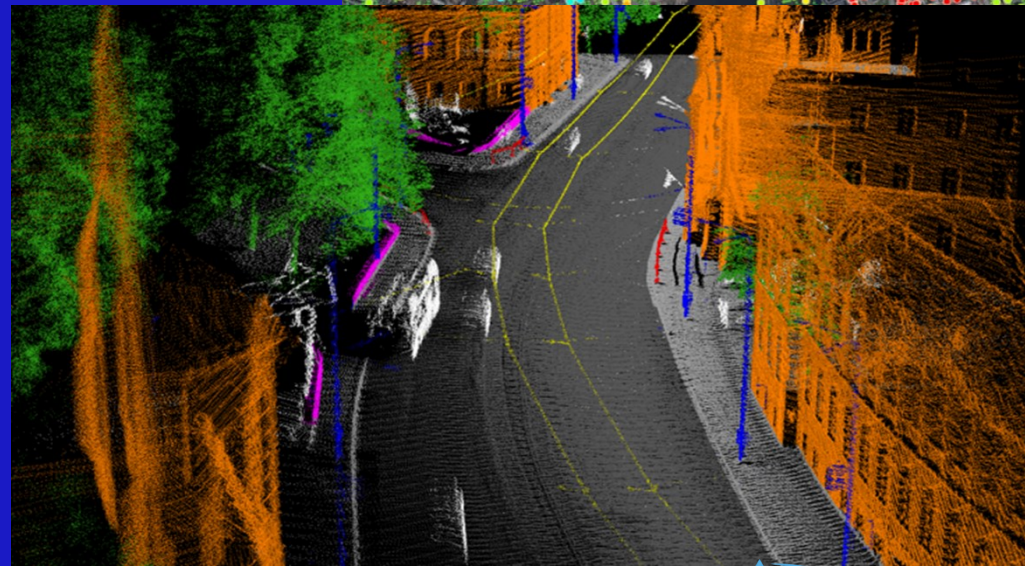

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Implementing automated and paperless logistics

- Digital cargo information exchange between countries (eCMR and eFTI)
- Digital queue management systems for borders, ports and logistic terminals
- Solutions for real-time and automated logistics

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Boosting the use of data and AI for smarter mobility

- Whole country is covered with 3D map

- Space-based technology to monitor and detect deformations on bridges, roads, ports etc.

- AI-based technologies for predicting potential risks of traffic accidents and planning infrastructure

- Data-based public transport network
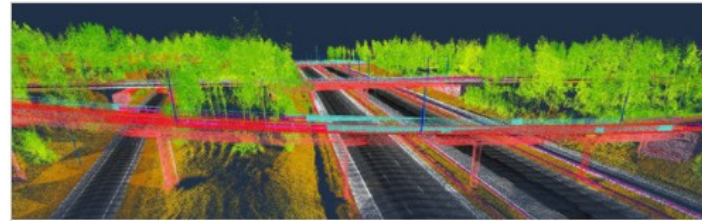
ITS Estonia members

Check for more: its-estonia.com

Showcases

Autonomous Electric Shuttle Bus

On-demand mapping technology

The Early Warning System SILLE

TGS Pavement

Scheduling System for Ports and Terminals

Fleet and Team Management Service

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Thank you!

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