



REPUBLIC OF ESTONIA
MINISTRY OF ECONOMIC AFFAIRS
AND COMMUNICATIONS

Estonian strategy on transport digitalisation

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QUICK OVERVIEW ON DIGITAL TRANSPORT INITIATIVES:

- Transport sharing
- MaaS and transport on demand
- Contactless paying and smart cards
- Development and testing of automotive vehicles
- Delivery robots
- Smart road
- Via Baltica – smart E67
- ...

PROPOSAL FOR NDTPL:

- e-CMR, paperless freight transport

Transport master plan process 2021-2030

2018

2019

2020

Activity based
budgeting

Coordination
with ministry
of FIN

ITF +
Inclusion
process

Writing

- Writing transport programme
- 2020-2023

- Rewriting programme
- Strategic environmental study

Sharing economy

The Tax and Customs Board cooperation with mobility platforms, incl. Uber from autumn 2015.

Declare taxes of drivers automatically for collaborative economy companies. -> needs driver's consent

Reduce black economy.

UBER

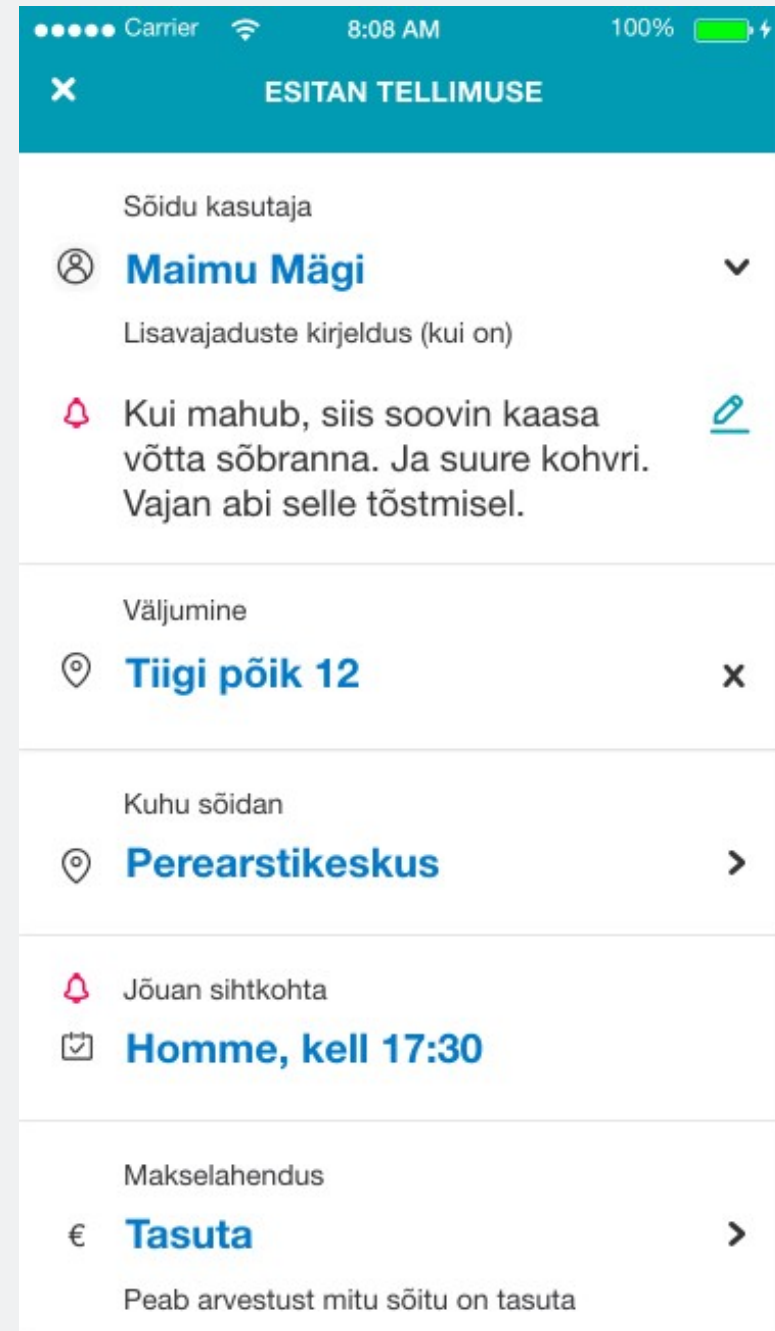
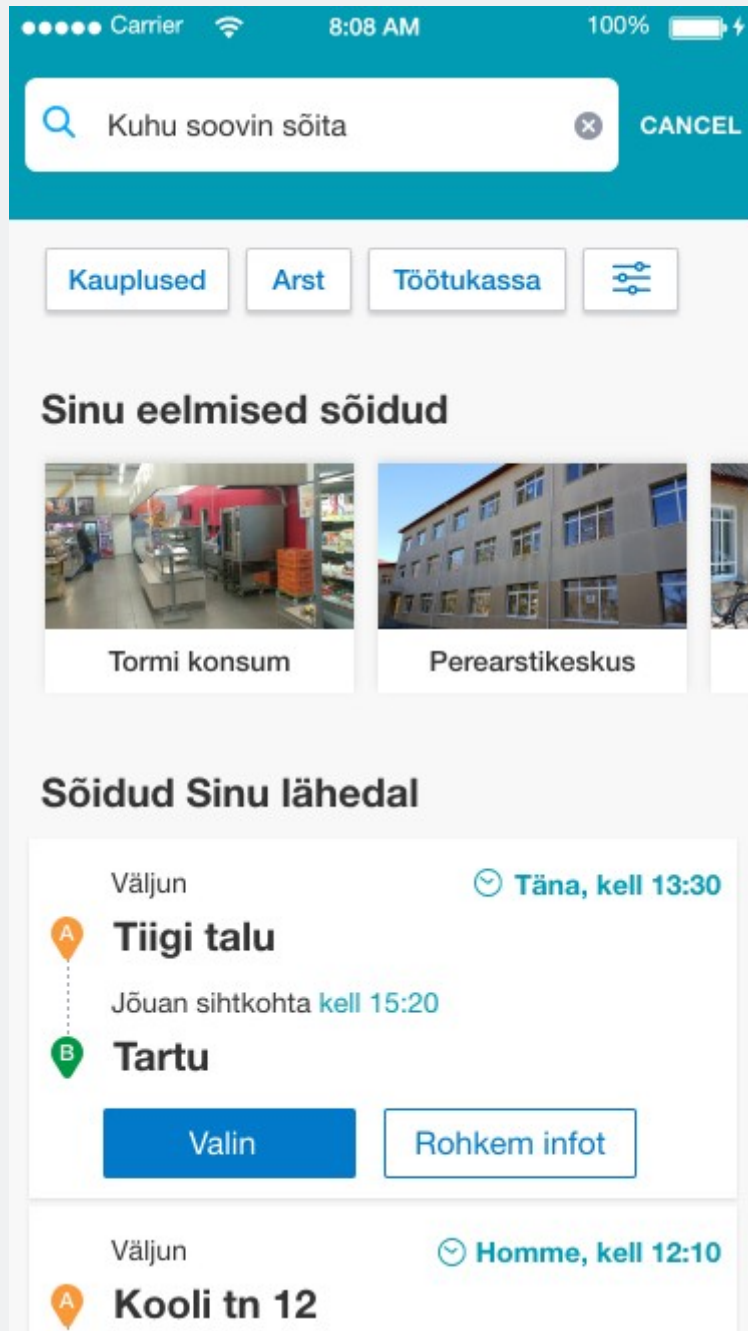


Wisemile



ebay

craigslist



Contactless payment and smart cards

Seamless and
contactless
validating/paying

Visa Master payment
allowed

Goals:

App and open APIs



It's legal to test AV in Estonia

Natural person has to be present,
but not necessarily in the vehicle.

Mini-pilot in Tallinn city centre

Ongoing cooperation with Finland
SOHJOA
FABULOS

Next steps –
KRATT

Testing plates and amendment to
traffic act

Last mile solution

- Robot for parcel
- 6 km/h
- Range up to 5-7 km
- Can operate on light snow



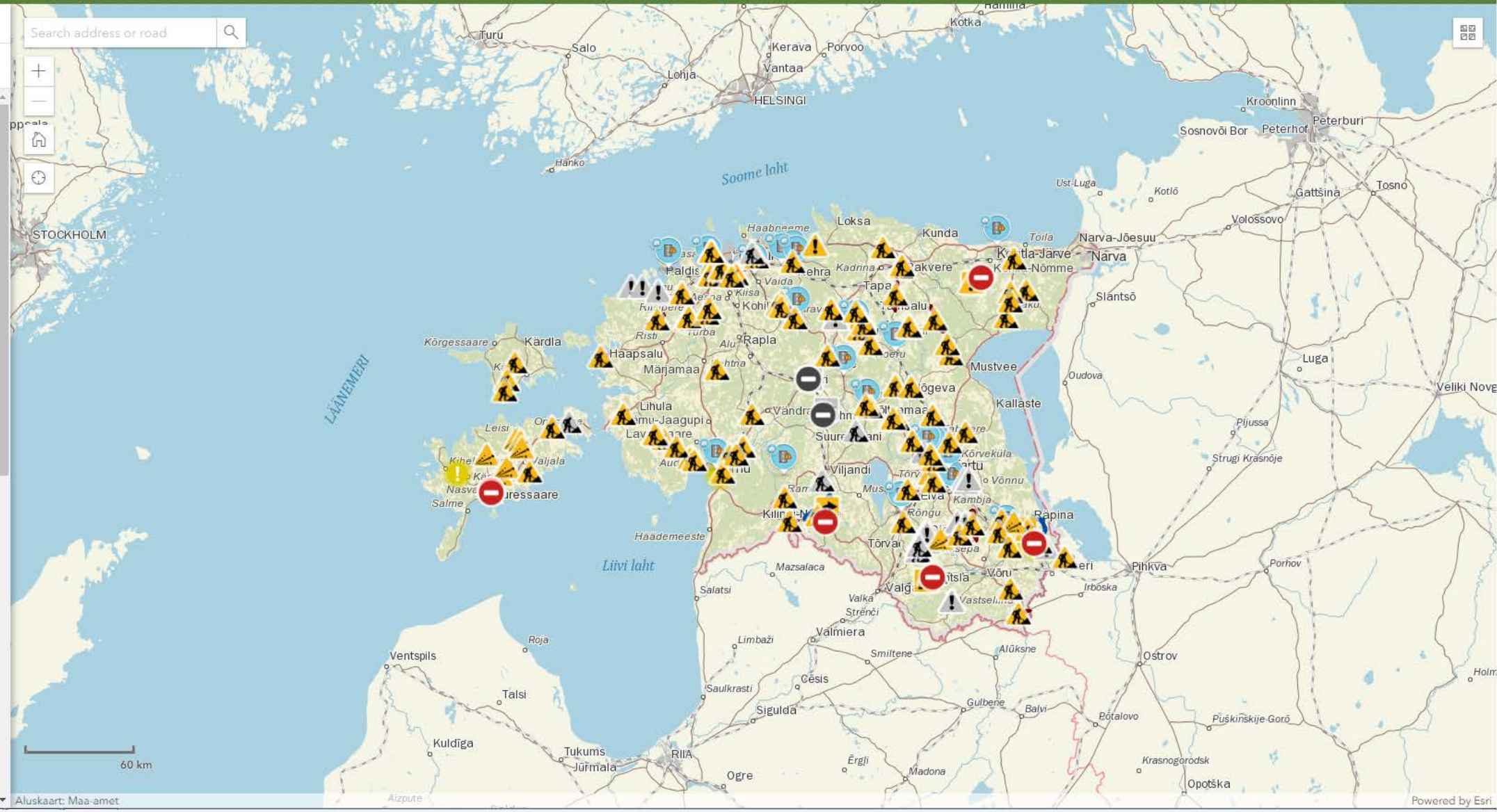
7/1/2019

Search address or road



- Pre-selections**
- Road conditions
- Mass and size restrictions
- Traffic restrictions
- Map layers**
- Traffic restrictions
 - Traffic restrictions
 - Full road closure
 - Road works
 - Surfacing
 - Events and other restrictions
 - Marking works or surveying

Only restrictions on state roads are displayed
 - Traffic restrictions in Tallinn
 - Detours
 - Detours
- Weight and size restrictions
 - Weight restrictions
 - Height restriction < 5m
 - Width restriction < 4m
- Road conditions
 - Road weather stations
 - Road cameras
- Traffic information
 - Operational information
 - Traffic obstructions
 - Significant traffic obstructions



Aluskaart: Maa-amet

Powered by Esri



REPUBLIC OF ESTONIA
ROAD ADMINISTRATION



European Union
European Regional
Development Fund



Investing
in your future



SMART
E67



Operational environment:
EE- 192 km, 4500 - 30 000 AADT
LV – 202 km, 4400 – 22 400 AADT

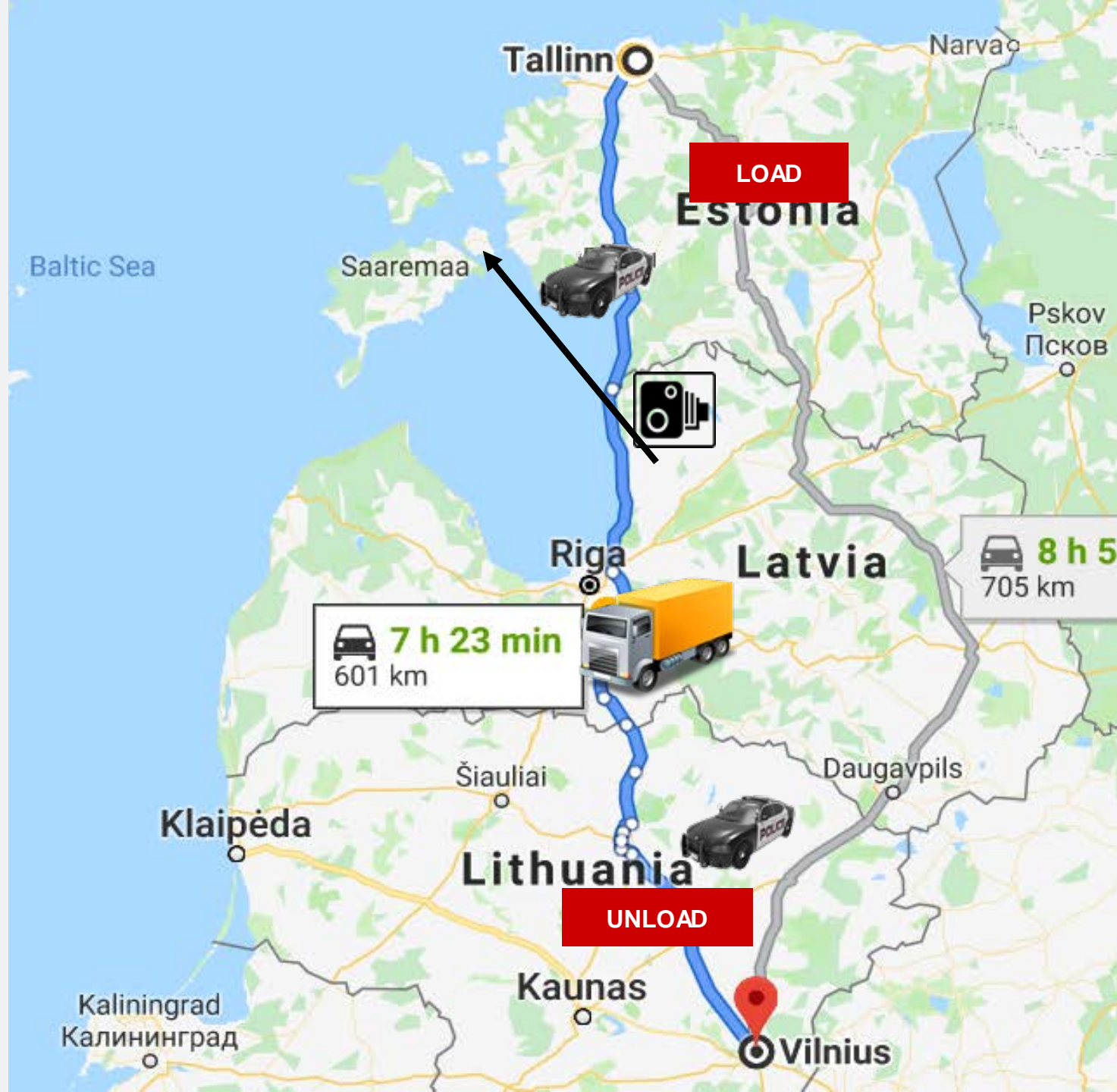
The project includes ITS elements:

- Variable message signs (VMS)
- Road weather stations (RWS)
- Traffic detectors
- Modernized Traffic lights
- Traffic cameras
- Traffic Management Software
- Traffic Management/Info Centre trainings/upgrades (cross-border TMP and VMS guidelines)



Proposal for NDTPL:

e-CMR,
digital realtime ecosystem
for paperless international
logistics



Two projects launched last month:

1. **Cross-Border eCMR indexing scheme** prototype development is funded from Digiinno-Proto. Partner countries are Estonia, Latvia, Lithuania and Poland.
2. The **e-ecosystem** project proved to be the best in Häkaton and is now being implemented with the support of the Ministry Economic Affairs and Communications and Tallinn University of Technology.

Working group lead by the Ministry of Economic Affairs and Communications: ministries, police, tax and custom, freight carrier organisations and IT companies.

Value of digital eCMR against paper documentation

Private sector

Lower costs

- Handling costs can be up to three to four times less expensive;
- Faster administration with reduced data entry, no paper handling, no fax/scan/letter exchanges, no paper archiving, etc.;
- Faster invoicing;
- Reduction of delivery and reception discrepancies;

Greater transparency

- Data accuracy;
- Control and monitoring of the shipment;
- Real-time access to the information & proof of pick-up and delivery.

Public sector

More transparency

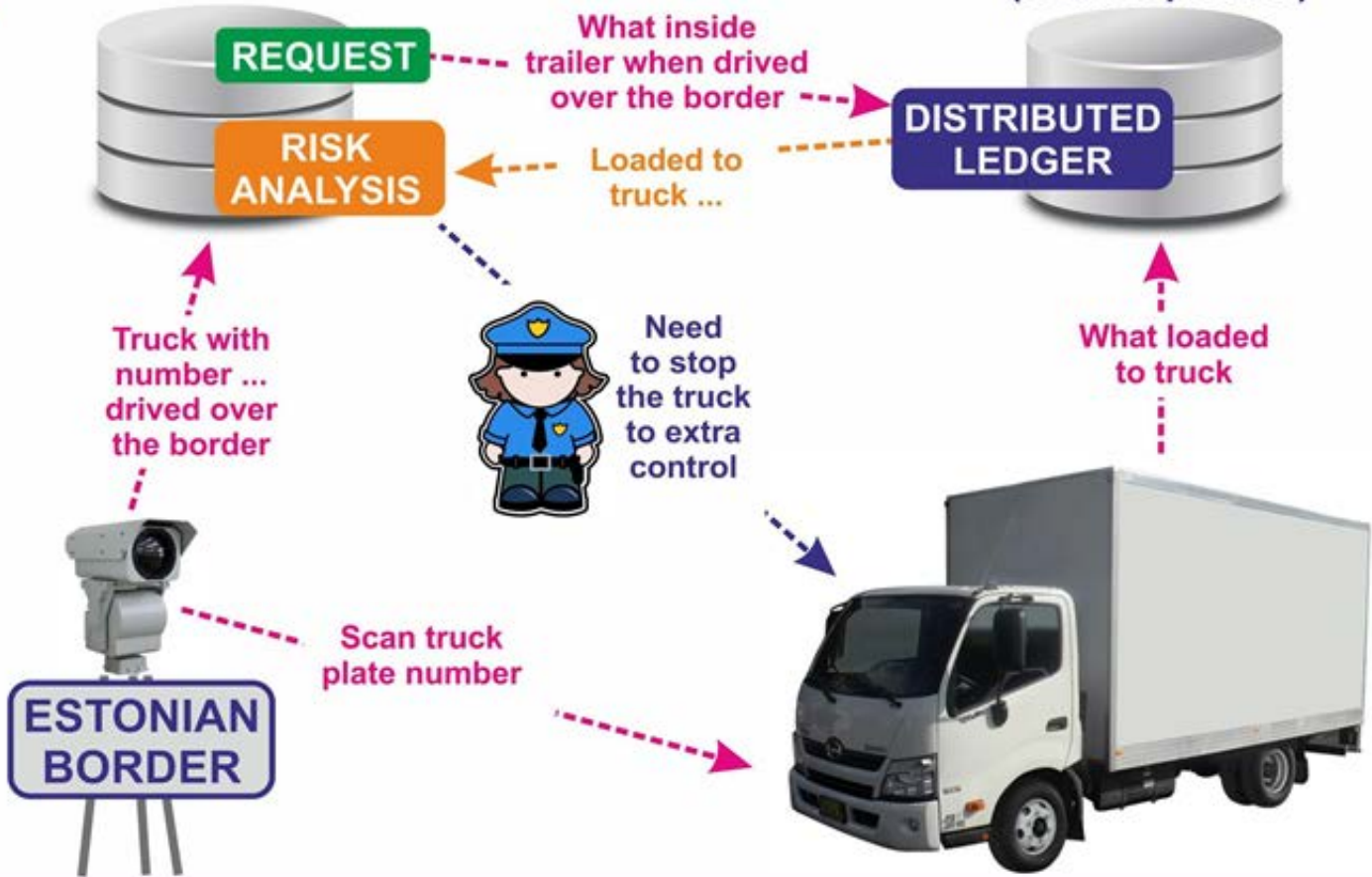
- automated info to **Statistics department**;
- realtime information to **Tax inspection**;
 - info about movement of cargo throw country (realization of tax inspection Single Window conception);
 - risk analyze;
 - online calculation of taxes
- **The police** has possible control road taxes and overweight from distance;
 - extra tool to police preliminary analysis
- **The customs** can make preliminary automatic control of documents in the border (Norway, Russia, etc.)



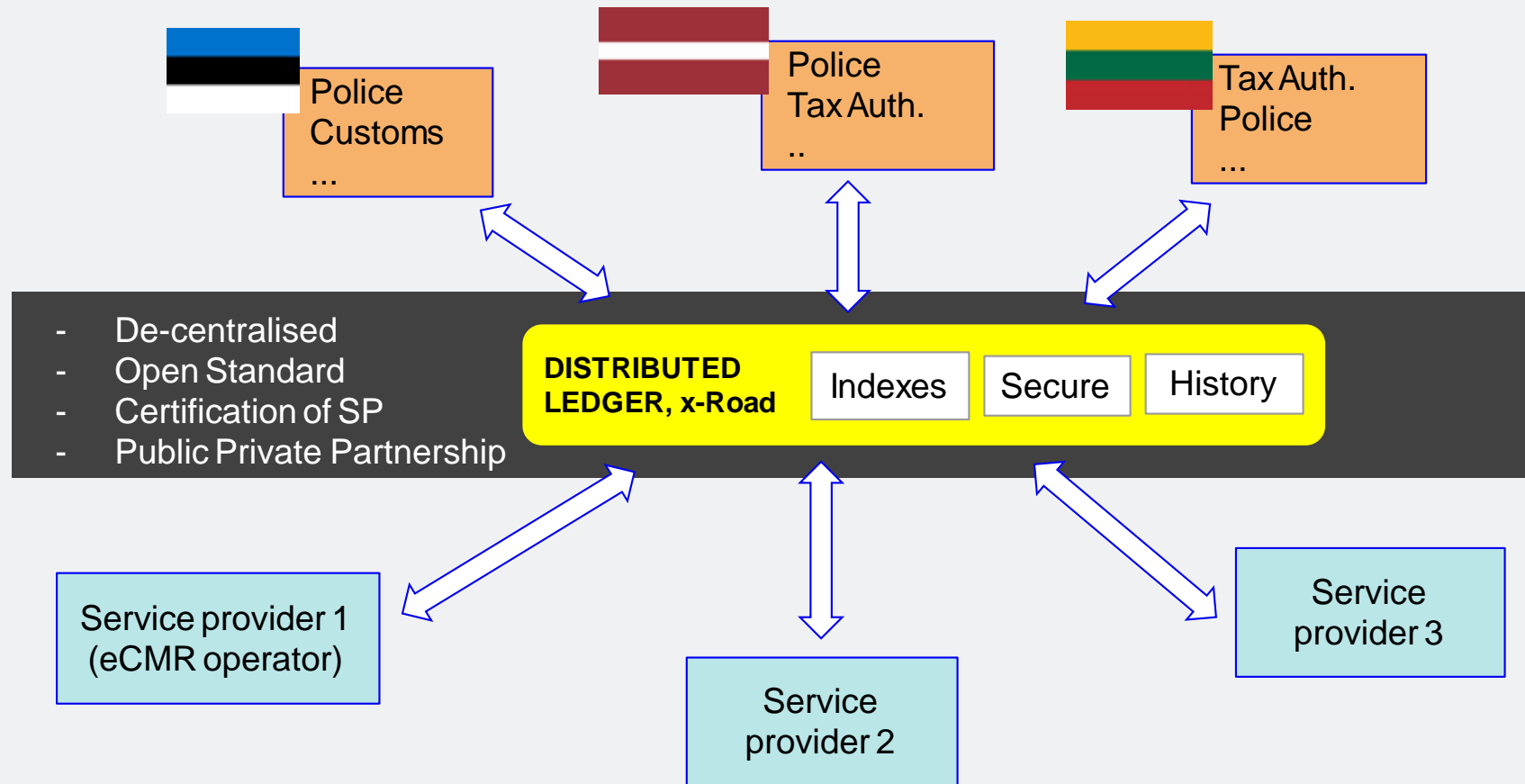
CARGO BORDER CONTROL

Estonian Tax and Customs e-service

Service provider (eCMR operator)



Network of Trust, technical perspective



Thank You!

