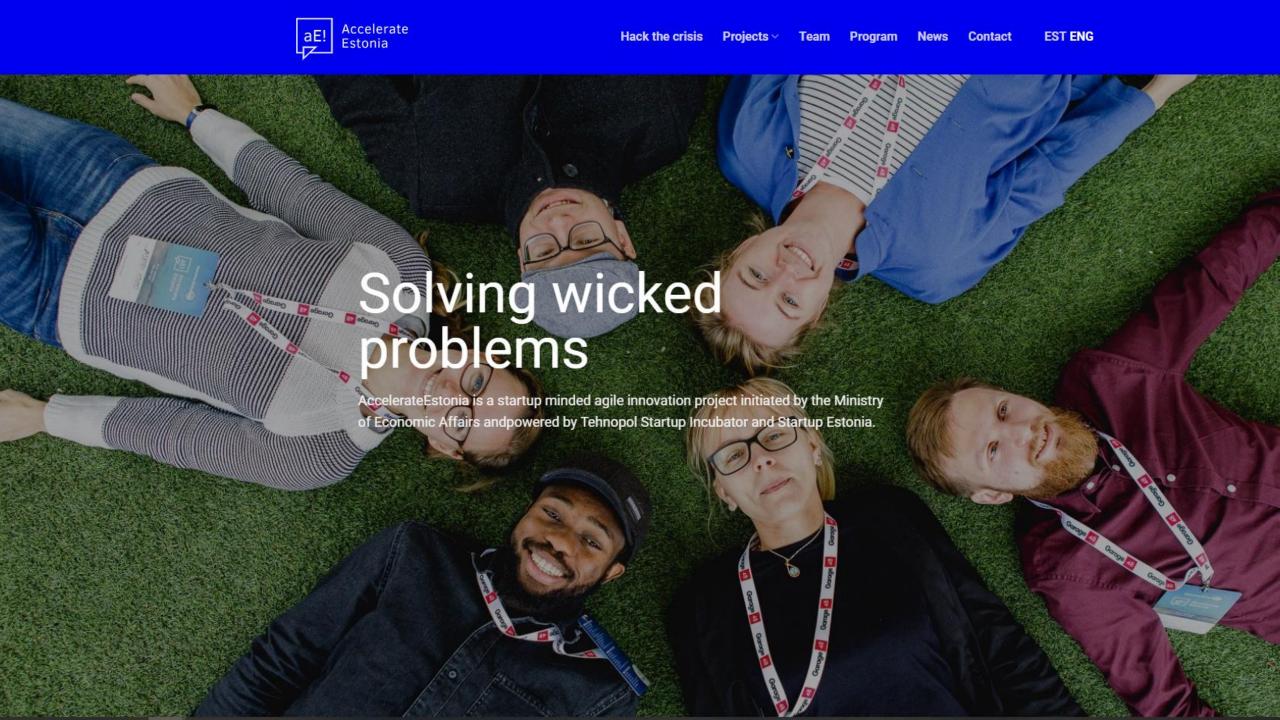
# Heiti Mering

eCMR project lead

"LogiXdigi as digital roaming service for logistics"







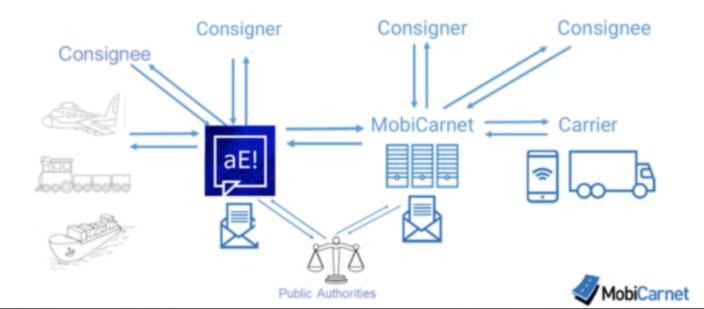


## Digital real-time ecosystem for logistics

Estonia knows how to digitalise the government. Now we take international transport and logistics.

Despite technological advances, international consignment notes, transit, export and import declarations continue to be mainly paper-based. We will make all relevant data available electronically and in real-time for any supply chain participants, including consignors, consignee's, transport providers, truck drivers and public controlling agencies. Our aim is to connect all logistics service providers, translate data exchange standards between different transport modes and to build a fully digital infrastructure for the supply chain. It will save time to submit documents as well as eliminates the need to stop and check paperwork on the road.

We know what is needed for road transportation and we have a solution for that. It's based on e-CMR standard and as Unified data exchange platform for national and international transport, it meant communication for both at the level of business as well with the state. To create electronically e-CMR, delivery note, transit declaration, import & export declarations, e-TIR and electronic guarantee documents, sign them digitally and make authorized data available for identified persons.



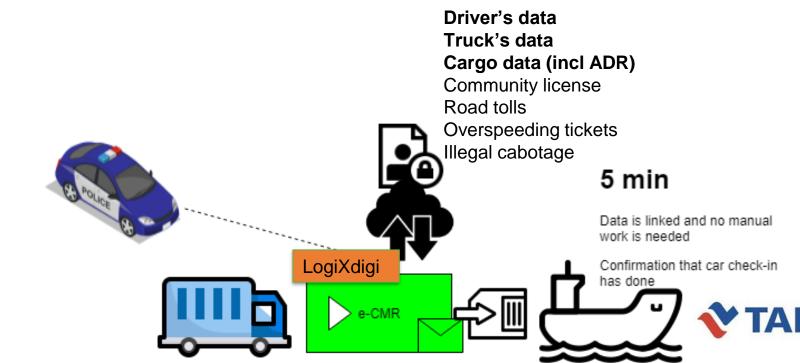
## Our target Customers

- **Digital Freight** shipping SP's
- Forwarders
- International and local Carriers
- **Public controlling** agencies
- Railway operators
- Ferry operators
- Road administations
- State statistics
- Air Cargo operators
- Warehouses
- Manufacturers
- Retail shops
- E-Commerce
- Last mile delivery





# **Green** corridor for faster transportation

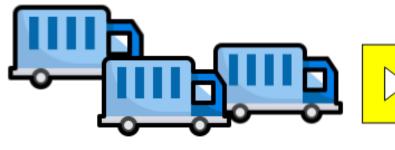


Value of LogiXdigi & eCMR:

- Fast Ferry check-in
- Confirmed boarding
- Fast Harbour entrance(incl SmartPort)
- Harbour taxes
- Fast Border Control
- Roadside check
- Road tolls collection
- Overspeeding tickets
- Overloaded cargo detection
- Illegal cabotage detection
- One to many data exchange



## **VIKING LINE**





0,5-1h

Risk that there is no space in ferry and additional 6h has to be wait



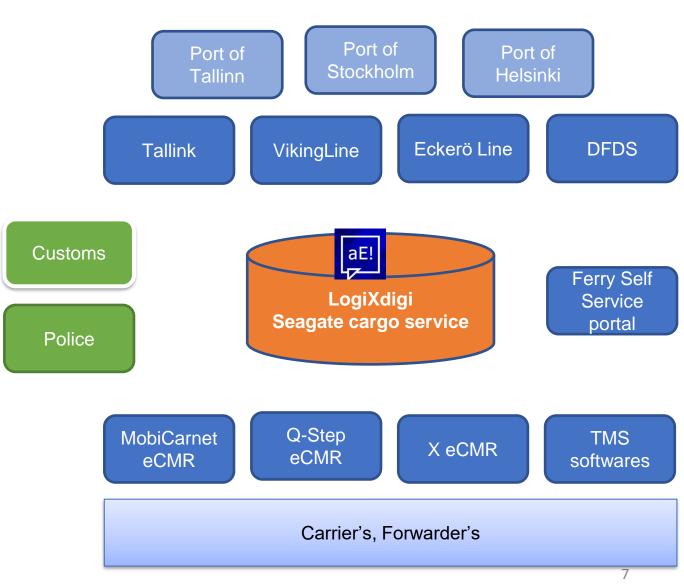


# MVP – Roaming for digital logistics service providers and transportation companies

UC1 Trial Mode XMind:ZEN UNECE Autojuhi andmed (GS1 laiendus) MobiCarnet TMS Kauba saatja Smart Port LogiXdigi Tallink UNECE Q-Step TMS Kauba saatia (GS1 GS1 standard **UN / CEFACT** UNECE standard GS-1 standard \* TALLINK 3L EMTA / Politsei Saadetise koostamine **Ospentos** <sup>'</sup>MobiCarnet (TMS, ERP) eCMR LogiXdigi (MobiCarnet, Q-Step) Air Cargo Collaboration **Thorgate** Juhi kinnitus kauba laadimisest Tallinna Sadam **ERICSSON** Tallink Cargo Juhi andmed (Smart Port)

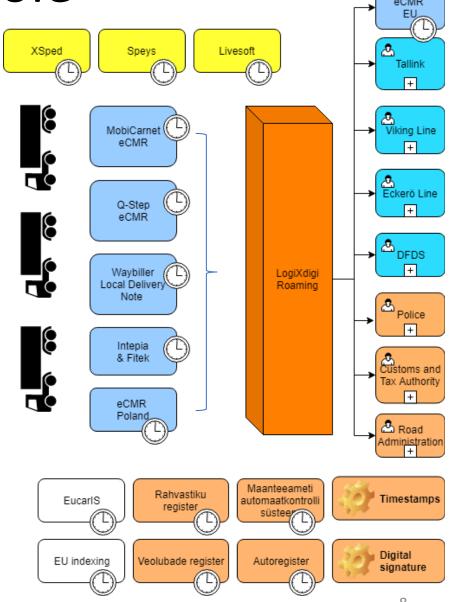
# MVP1: Online Ferry Check-in for Trucks

- Simple and fast
- Contactless and paperless
- Value for e-CMR useage
- Connection for Nordic and Baltic digital road
- Unified standard Exchange (UNECE, GS1, MMT, etc)
- Data sharing between
  - Port Authorities
  - Ferry Operators
  - Customs and Police
  - E-CMR service provider's



## Business model and state's role

- 13 000 trucks in Estonia (used in international transportation)
- 1000 trucks every day in Tallinn Helsinki
- 1,5M CMR's in Europe, daily (our target 30%)
  - By the 2022, 80% of CMR's will be digital
- Fast growth: eCMR price 0,60€ 1€ = 0,30€ to LogiXdigi exchange
  - First phase (Estonia-Finland), 1st year target: 100 000 transactions/month
  - Second phase (Finland-Poland), 2nd year target: 100 000 transactions/day
  - Third phase (EU and other), 3rd year target: 500 000 transactions/day
  - 300 customers during first year
- States registres and public services included:
  - X-Road, RIA, SMIT, Politsei, MKM (Maanteeamet, Veeteede Amet, RTE, Digiinno),
    EMTA, RMIT, Rahvastikuregister, Äriregister, Statistikaaamet
  - Eesti Raudtee, Operail, Tallinna Sadam
- Legislation
  - Continue with Government's Decree and Traffic Law change
  - eFTI (Electronic Freight Transportation Information) draft
  - Continue representation in DTLF (Digital Transport Forum)
- New Markets:
  - Finland, Sweden, Baltics, Germany, Balkan, Africa



# eCMR regulation

## Has been done by now:

- I step: Compose an amendment with explanatory notes to the Traffic Act to empower Estonian Government to establish eCMR regulation
- Excellent cooperation with MKM, Ministry of Finance, Tax & Customs Board, Ministry of Internal Affairs and Police Forces.
- II step: Compose eCMR regulation with explanatory notes
- Timeline: 30th of April 2020 final document versions
- Final coordination: 1st of May 31st of July 2020

## Next steps:

- Draft version of the documentation is ready but it will be amended according to the input from stakeholders. Next consultations are agreed:
- 8th of April online consultation with Tax and Customs Board, Association of International Road Carriers
- 9th of April online consultation with Ministry of Economic Affairs and Communications
- Regular feedback from project internal steering group
- Google design sprint with Tax & Customs Board in beginning of May
- The consultation with Ministry of the Interior and Police and Border Guard Board needs to be arranged.

#### ELEKTROONILISE SAATELEHE KONTROLLIPROTSESSI KONTSEPTSIOON

2022 aastal ei ole pabersaatelehe Maksu- ja Tolliametile esitamine vajalik, vaid see on digitaalselt kättesaadav. Vajadusel toimub andmete taaskasutus üle Euroopa.



#### e-CMR loomine

Veo korraldaja loob e-CMRi ja toimub e-CMRiga seotud andmepaketi loomine



#### Veo alustamine

Veo korraldaja kinnitab veo alustamise. e-CMR andmepakett saab oleku, et on vedu on alustatud



#### Auto numbri tuvastus

MTA ANTS (numbrituvastussüsteem) tuvastab autonumbri



#### Andmekorje

MTA SAS (teabeanalüüsi programm) saab e-CMRist ja ANTS süsteemist reaalajas sisendiks vajalikud andmed



#### Salvestamine süsteemi

MTA valib Eestisse saabuvad veokid ja salvestab need MTA süsteemi



#### Füüsiline kontroll

Toimub füüsiline kontroll ja kontrollitulemid fikseeritakse MTA TOTS2 süsteemis



#### Kontrolli teavitus

MTA süsteem saadab ametnikule SMSga automaatselt teavituse, et sellist autot peaks kontrollima



#### Online kontroll

Toimub MTA on line kontroll ja veoauto jätkab rahulikult teed



#### Täiendav andmekorje

MTA SAS saab e-CMRist ja täiendavast reaalajatuvastuse sisendist vajalikud lisaandmed



#### Täiendav auto numbri tuvastus

Täiendav autonumbri resalajatuvastus (Maanteeameti Tark Tee), et välistada keda ei pea kontrolliks kinni pidama



#### Kinnitus kauba maha laadimisele

Juht saabub sihtkohta. Kauba saatja saab e-CMR kinnituse kauba mahalaadimise osas. Andmepakett saab oleku, et on vedu on lõpetatud



#### Järelkontroll

MTA Saab tagantjärgi saadetise eCMRI andmeid vaadata vedajaga kokkuleppel





MAKSU- JA TOLLIAMET

## Thank You!

In any questions:

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