Standardisation and security in multi-modal ITS – Tallinn case

Liivar Luts
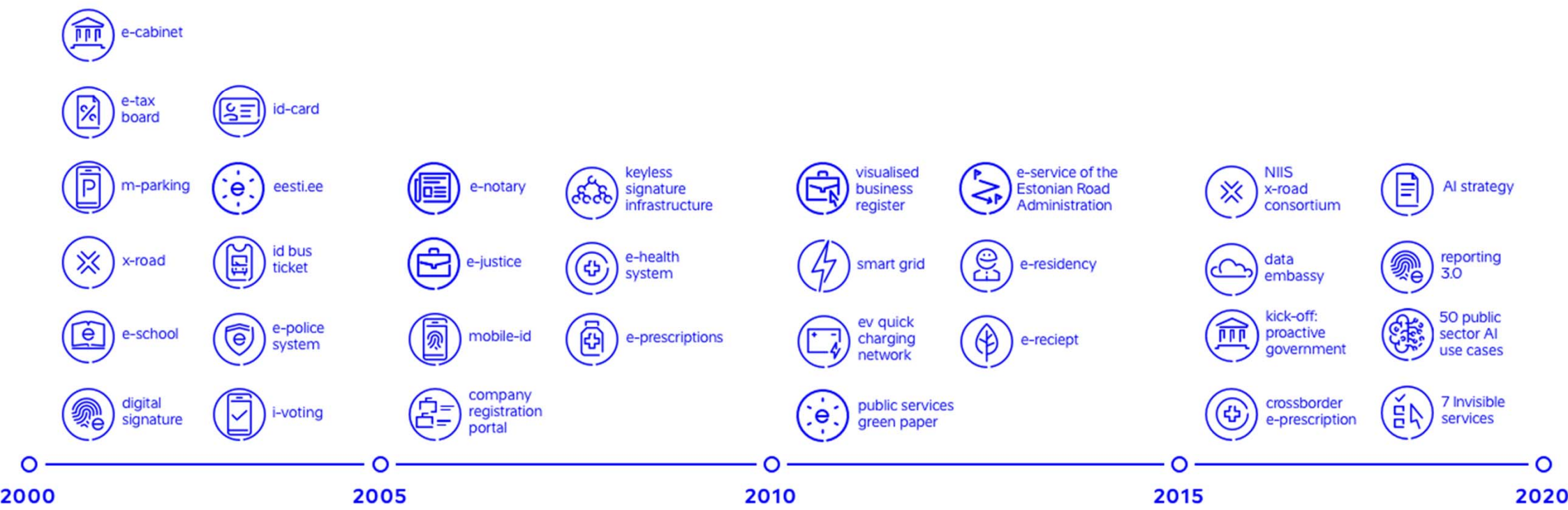
Project manager
**Tallinn Transport Department
Estonia**

Toulouse 22

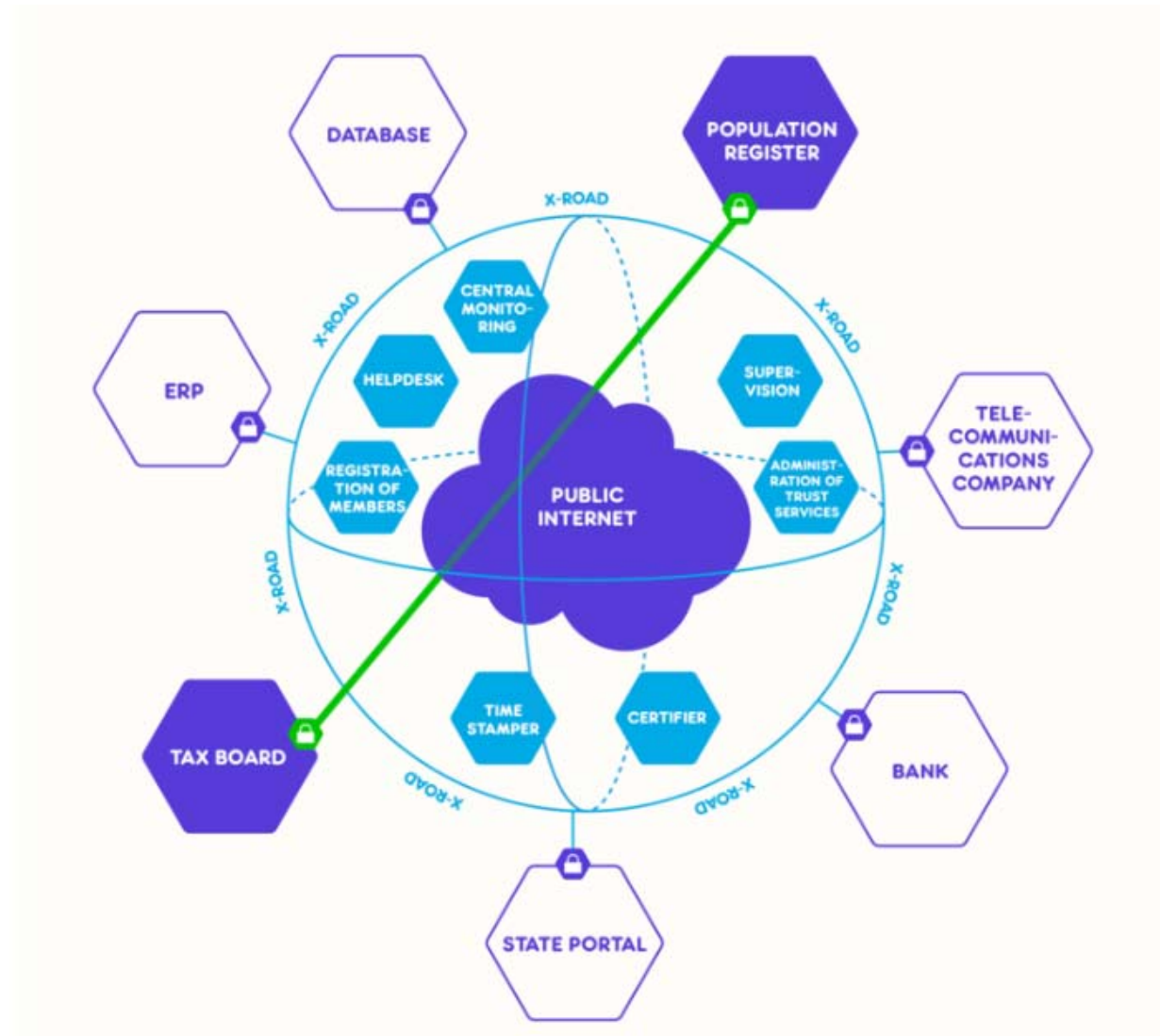# e-Estonia timeline

e-cabinet

e-tax board | id-card

m-parking | eesti.ee | e-notary | keyless signature infrastructure | visualised business register | e-service of the Estonian Road Administration | NIIS x-road consortium | AI strategy

x-road | id bus ticket | e-justice | e-health system | smart grid | e-residency | data embassy | reporting 3.0

e-school | e-police system | mobile-id | e-prescriptions | ev quick charging network | e-reciept | kick-off: proactive government | 50 public sector AI use cases

digital signature | i-voting | company registration portal | public services green paper | crossborder e-prescription | 7 Invisible services

2000 — 2005 — 2010 — 2015 — 2020

Data Exchange Layer X-Road interoperability

Mayor's directive "Tallinn City Information Security Policy"

TALLINNA LINNAPEA

KÄSKKIRI

Tallinn   21.06.2017 nr LSB-28/14

Tallinna linna infoturbepoliitika

Kohaliku omavalitsuse korralduse seaduse § 50 lg 1 p 3 alusel ning kooskõlas isikuandmete kaitse seaduse § 6 p-ga 6, avaliku teabe seaduse § 43 lg-ga 1 ja Vabariigi Valitsuse 20. detsembri 2007 määrusega nr 252 „Infosüsteemide turvameetmete süsteem"

1. Rakendusala
1.1 Tallinna linna infoturbepoliitika sätestab Tallinna linna (edaspidi ka *linn*) infoturbe eesmärgid ja nende saavutamise juhised, infoturbe korralduse ja turvameetmete rakendamise.
1.2 Infoturbepoliitika põhimõtteid arvestatakse ning selle elluviimiseks vastavad tegevused kavandatakse valdkondlikes linna õigusaktides.
1.3 Infoturbepoliitika puudutab Tallinna kui kohaliku omavalitsuse üksuse sisest ning Tallinna linna ametiasutuste ja nende hallatavate asutuste (edaspidi koos *asutus*) suhtlust riigiasutustega, teiste kohaliku omavalitsuse üksuste ja lepingupartneritega.
1.4 Infoturbe põhimõtteid on kohustatud järgima Tallinna Linnavalitsuse ja Tallinna Linnavolikogu liikmed, Tallinna linna ametnikud ja töötajad (edaspidi koos *teenistujad*),

Three-level Baseline Security System ISKE

Objective

ISKE is based on the description of information assets which require protection by means of standard modules and includes means for assigning a security class to each standard module and assigning the required security level to a module based on its security class.

Security levels

Agencies generally have different systems in place for the level of security requirements and services. It is expedient to apply security measures of different strengths to them:

- Low
- Medium
- High

+ Compared to one-level baseline security -> much more accurate
- Compared to detailed risk analysis -> relatively inacurate

From ISKE to E-ITS

It is compliant with the internationally acknowledged ISO/IEC 27001 information security management standard.

MaaS X-road

Definition

Mobility as a service (MaaS) is a type of service that, through a joint digital channel enables users to plan, book, and pay for multiple types of mobility services.["Mobility as a Service". International Encyclopedia of Transportation.] The concept describes a shift away from personally-owned modes of transportation and towards mobility provided as a service.
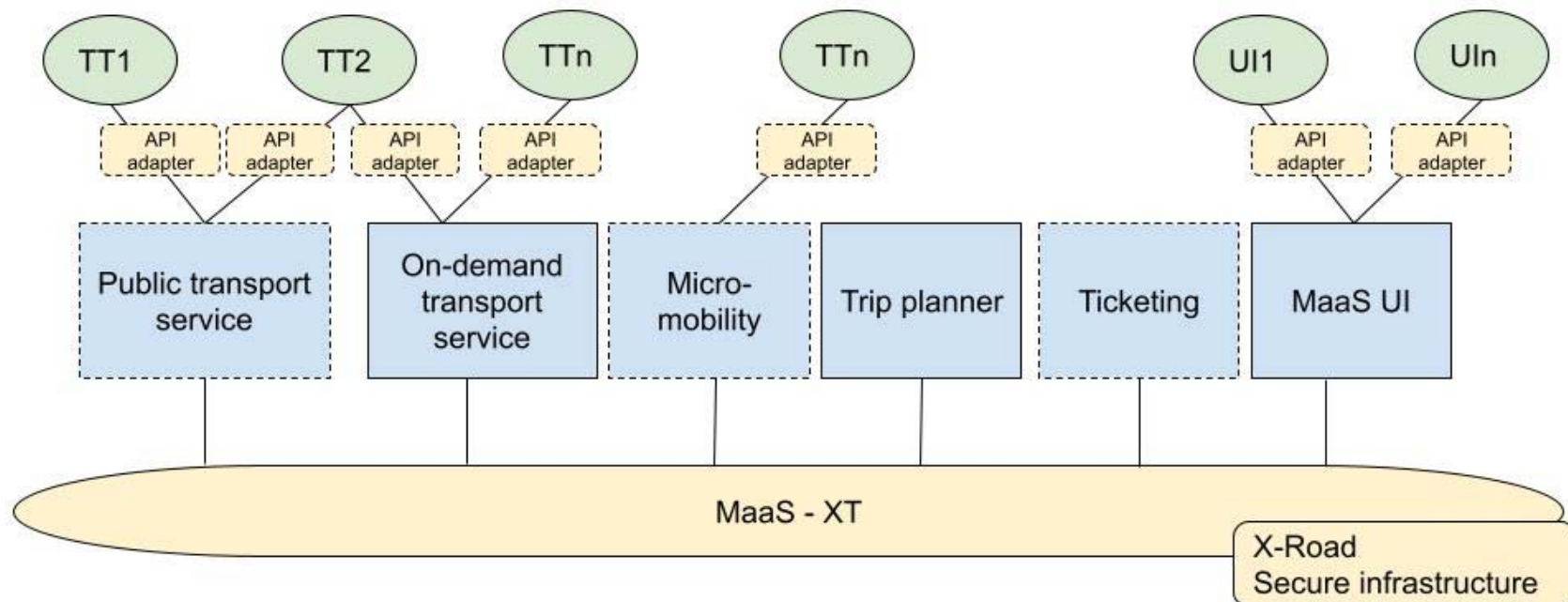
Cybersecurity MaaS XT
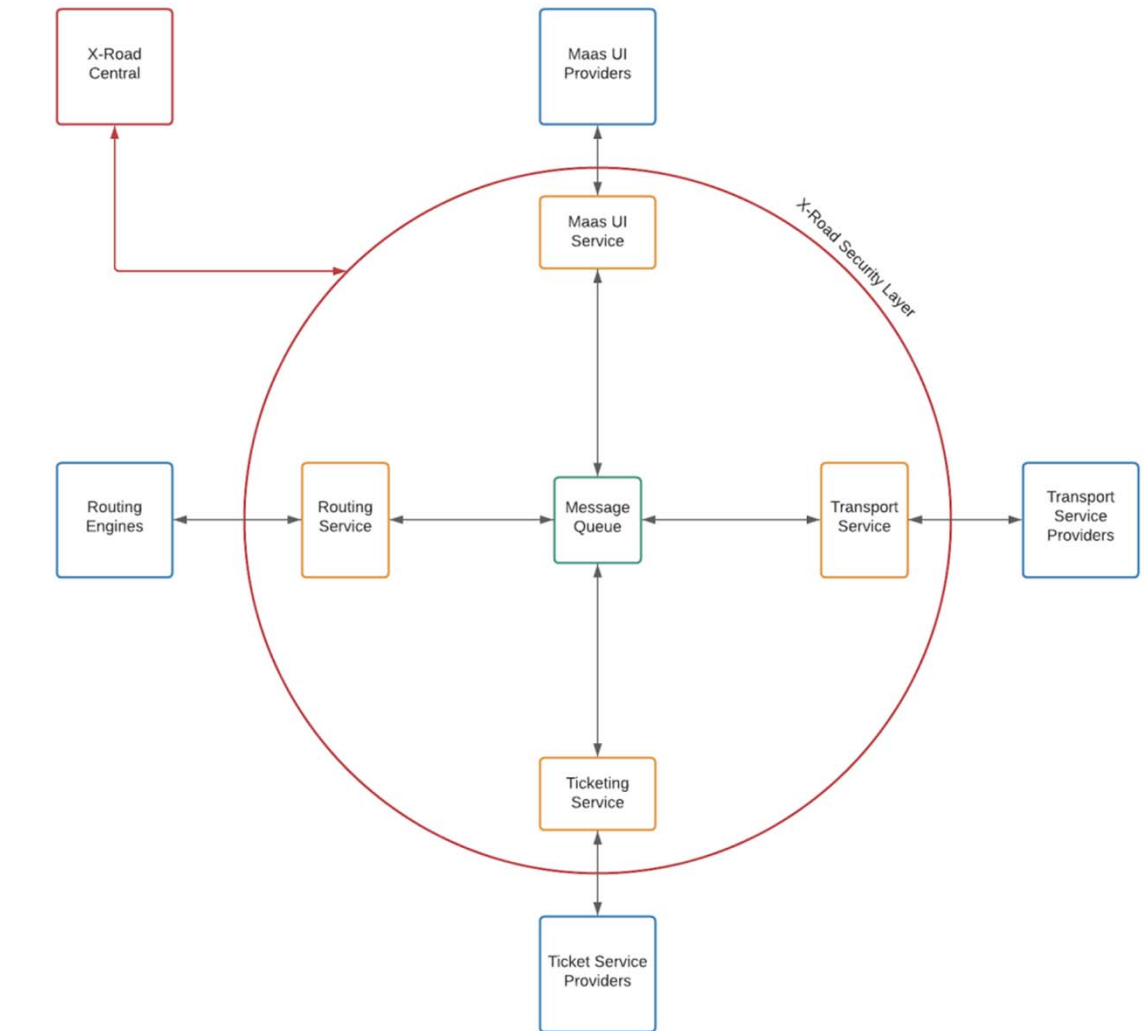
Source: finestcentre.eu

Smart and Sustainable Mobility for all.

its EUROPEAN CONGRESS TOULOUSE 30 May - 1 June 2022

Thank you!