

Cornerstones of e-Estonia

the coolest digital society

Andrus Kaarelson
Director of State Information System
Information System Authority, Estonia

a modest
country that extends
beyond
its borders



- + population: 1.3 million
- + area: 45,339 km²
- + currency: Euro
- + member of: EU, NATO, WTO, OECD, DIGITAL 7
- + ICT sector: 7% of GDP
- + pathfinder in establishing e-society

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+ Estonia introduction video:

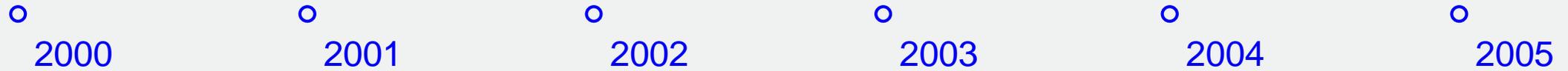
<https://www.youtube.com/watch?v=H2qGxw7EVGg>

essential

Best secret weapons.

- + internet is a social right
- + every Estonian resident has an electronic ID
- + Estonians trust e-solutions:
 - 99% people use online banking
 - Given over 500 million digital signatures
 - unique i-Voting (33% are giving i-votes)

e-Estonia timeline



A horizontal timeline axis with six blue circular markers positioned above the year labels. The years are 2000, 2001, 2002, 2003, 2004, and 2005, spaced evenly along the axis.

○ 2000 ○ 2001 ○ 2002 ○ 2003 ○ 2004 ○ 2005

Unique I-voting

Estonia is the only country in the world offering its citizens to cast legally binding votes over the internet.

- + I-voting carried out 9 times since 2005
- + Participation from 2% in 2005 to 32% in 2017
- + Widely used among all voters
 - 52% female, 48% male
 - Age 25 – 34: 25%
 - Age > 55: 25%
- + 5,7% votes from abroad
- + From 116 countries

e-Estonia timeline

○
2007

○
2008

○
2010

○
2011

○
2012

○
2013

e-Estonia timeline

○
2014

○
2015

○
2016

○
2017

○
2018

je

empowering

Easiest life: only getting married or divorced and selling real estate cannot be done online.

Yet.

- + 99% of services are online
- + Hassle free tax declaration
- + Only 18 minutes to establish company online
- + e-Residency – Estonian business environment & e-services for anyone anywhere in the world



elaborated

Clear and honest principles.

- + once-only
- + digital by default
- + truth-by-design
- + secure data exchange over public internet



TIME

The smartest digital solutions.

- + Seamless interaction between a person and a government
- + Things can be done for citizens automatically and invisibly
- + Time is the most valuable resource
- + Spending time on bureaucracy reduces the state's competitiveness and people's quality of life

The cornerstones of e-Estonia

The safest combination.

confidentiality

ID-card & Mobile-ID
Smart ID, e-Residency

Secure data
exchange

X-ROAD

integrity

KSI Blockchain

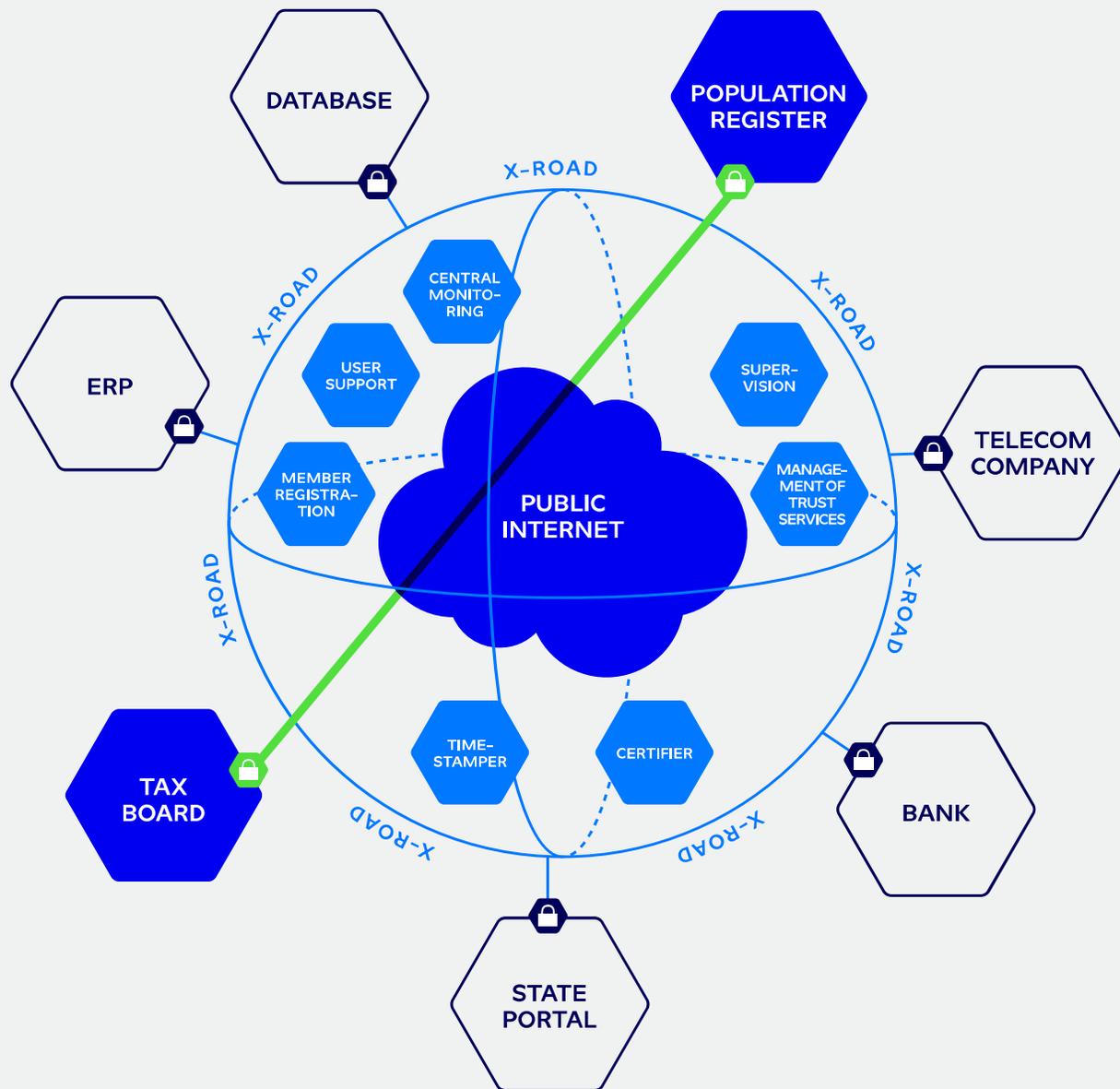
electronic ID

The strongest identity.

- + 94% of e-ID – celebrating 15 Years!
- + 12% of PKI based mobile-ID
- + 7% of smart-ID
- + e-Residency

exchange

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



- + saving 800 years annually
- + over 900 connected organizations, databases
- + over 500 million transactions per year
- + exported to Finland, Azerbaijan, Kyrgyzstan, Namibia, Faroe Islands

blockchain

The safest combination.

operational
from 2007

Availability, Redundancy
Scalability

cloud
assurance

Accountability, attribution
and transparency

real-time awareness

Insider threat
Data breach management

estonishing future

The strongest leadership brings enlightenment.

- + Technology or money is not the solution
- + zero-bureaucracy: invisible services
- + cross-border digital governance
- + real-time economy
- + e-residency
- + continuous experimentation and learning

experiment

Smartest Mobility: from free public transport to self-driving vehicles.

- + First self-driven bus in July 2017
- + Starship door-to door robot transport



Follow our path

Thank you for your attention

Andrus Kaarelson
andrus.kaarelson@ria.ee



e_Estonia



e_Estonia



e-Estonia



Estonian ICT

showroom@eas.ee