enter e-Estonia
the coolest digital society
our highest ratings

#1
BERTELSMANN FOUNDATION 2019
digital health index

#1
WORLD ECONOMIC FORUM 2017
entrepreneurial activity

#1
CEPS 2019
Index of readiness for
digital lifelong learning

#2
FREEDOM HOUSE 2019
internet freedom

#8
EUROPEAN COMMISSION 2019
EU digital economy
and society index (DESI)

#5
WORLD ECONOMIC FORUM 2019
mobile broadband
subscriptions

#5
ITU 2018
global cybersecurity
index

#15
HERITAGE FOUNDATION 2019
index of economic
freedom
a modest country extending beyond its borders

- population: 1.3 million
- area: 45,339 km²
- currency: Euro
- member of: EU, NATO, OECD, Digital Nations
- ICT sector employees: 5.9% of workforce
essential clear and honest principles

- citizen-centric
- public-private partnership
- internet access for everybody
- all individuals own their personal data
digital government

fastest decision making

+ digital-minded leadership
+ once-only principle
+ e-state - digital by default
+ 99% of services are online
empowering

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

for now.
electronic ID
the strongest identity since 2002

+ electronic ID is compulsory
+ 67% use ID-card regularly
+ 17% use people use mobile-ID
+ 34% use smart-ID
+ 65,000+ e-Residents
x-road
the busiest highway since 2001

+ open source data exchange layer
+ decentralised and distributed network
+ saving 3 million working hours annually
+ over 3,000 different services
+ over 1,3 billion transactions per year
+ technology exported to Finland, Iceland, Faroe Islands, Ukraine, Namibia etc
e-Estonia timeline

- **2000**: e-cabinet
- **2001**: e-tax board
- **2002**: e-school, digital signature
- **2003**: m-parking, x-road, id-card, eesti.ee
- **2004**: id bus ticket
e-Estonia timeline

- 2005: e-police system, i-voting
- 2006: e-notary, e-justice
- 2007: mobile-id, company registration portal
- 2008: keyless signature infrastructure, e-health system
- 2010: e-prescriptions
e-Estonia timeline

- Visualised business register (2011)
- Smart grid (2012)
- EV quick charging network (2013)
- Public services green paper (2013)
- E-service of the Estonian Road Administration (2014)
- E-residency (2014)
- E-receipt (2015)
e-Estonia timeline

- 2017: NIIS x-road consortium, data embassy
- 2018: kick-off: proactive government, crossborder e-prescription
- 2019: AI strategy, reporting 3.0
- 2020: 50 public sector AI use cases, 7 invisible services
ease of doing business

simplest and fastest business environment

+ under 3 hours to start a company
+ paperless and hassle-free e-taxation
+ automatization in tax reporting by the end of 2020
+ Estonia #1 in International Tax Competitiveness Index (2019)
+ e-residency — Estonian e-services for every world citizen
e-residency

e-resident.gov.ee

+ first in the world
+ 160+ countries
+ 66,000+ e-residents to date
+ 10,000+ e-resident companies
+ 31m+ € taxes paid to Estonia
cyber security

the strongest competence

+ first and so far largest cyber attacks against a nation state in 2007
+ home of NATO CCDCOE and EU IT agency
+ cyber defence league and cyber command
+ non-permanent member of UNSC 2020-2021
+ data embassy
blockchain pioneers

guarding integrity since 2012

Estonia uses blockchain technology for integrity verification of government registries and data. No data is saved to the blockchain.

+ first ever state to use blockchain technology
+ 100% data privacy
+ history cannot be rewritten by anybody

Blockchain ≠ Bitcoin
data embassy

digital continuity of Estonia as a state

+ first data embassy in Luxembourg
+ strategically important datasets
+ highest level of security
+ future: additional locations
i-voting
internet voting in Estonia since 2005

+ first and still the only one in the world
+ time and location independent
+ strictly optional
+ possibility to change your vote
+ 46.7% i-voted in the 2019 EP elections
+ up to 3 times cheaper
e-tax

the first public online service since 1999

+ taxes filed in 3 minutes with digital ID
+ pre-filled forms with automated data
+ applies to all types of taxes
+ 96% of income taxes are declared electronically
e-health

the healthiest system

+ digital health data
+ e-prescription
+ e-ambulance
+ biobank with 200,000 donors
education

Europe’s smartest children

+ 1st in OECD PISA tests in Europe
+ ICT education from an early age
+ digital by default
+ saves 45 minutes of teachers’ time daily
+ reduced skipping classes by 30%
smart city
smartest living environment

+ shared platforms
+ cross-border projects — Finest Twins
+ unique semi-autonomous solutions
+ urban data collection and sharing
+ Estonia as a testbed
digitalise everything

the journey never ends

+ cut your own christmas tree
+ fishing and hunting licences
+ reporting a crime
+ vehicle history check
+ smart-road map
the pillars

the safest combination

e-ID
ID-card, mobile-ID
Smart-ID, e-residency

data exchange
X-Road

security
blockchain, cyber defence league,
data embassy
astonishing future

seamless e-services available 24/7

+ proactive government
+ AI in government services
+ cross border digital governance
+ personalised medicine
proactive government

seamless public services implementation in process

- starting a business
- childbirth
- buying a car
- driving licence
- start of school
- unemployment & job search
- marriage
- divorce
- disability
- military service
- change of residence
- retirement
- death (succession)
- building houses
- falling victim to an accident
- falling victim to a crime
kratt

national AI strategy

+ public-private partnership
+ government initiative
+ 50 use cases live by the end of 2020
lessons learned

be boldest

+ digital-minded leadership
+ 'keep it short and simple
+ transparency works
+ shared platforms are quicker
+ service design matters
+ public-private partnership
stronger together

let’s keep in touch!

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