
An aerial photograph of a calm lake at sunset. The sky is filled with soft, orange and pink clouds. The lake's surface reflects the warm colors of the sky. On the left side, a forested shoreline is visible, with trees and a small body of water. The overall mood is peaceful and serene.

enter e-estonia

the coolest digital society

An aerial photograph of a vast, misty bog landscape. A long, straight wooden boardwalk stretches from the foreground towards the background, where a small figure of a person is walking. The landscape is a mix of dark, wet ground, scattered trees, and patches of water reflecting the sky. The overall atmosphere is serene and ethereal.

enter e-estonia

the coolest digital society

our highest ratings

#1

TAX FOUNDATION
2023
Tax Competitiveness
Index

#3

UN E-GOVERNMENT
SURVEY 2022
e-Participation index

#18

WORLD BANK 2020
Ease of doing business

#2

FREEDOM HOUSE
2023
internet freedom

#9

EUROPEAN
COMMISSION 2022
EU digital economy
and society index (DESI)

#1

INDEX VENTURES
2021
start-up friendliness

#3

ITU 2020
global cybersecurity
index

#6

HERITAGE
FOUNDATION 2023
index of economic
freedom

a modest country

extending beyond its borders

- + population: 1.3 million
- + area: 45,339 km²
- + currency: Euro
- + member of: UN, EU, NATO, OECD, WTO, Digital Nations, etc.
- + ICT sector employees: 6,6% 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 divorced
cannot be done online.

for now.



electronic ID

the strongest identity since 2002



- + electronic ID is compulsory
- + 64% use ID-card regularly
- + 19% people use mobile-ID
- + 51% use smart-ID
- + 100,000+ e-Residents

x-road

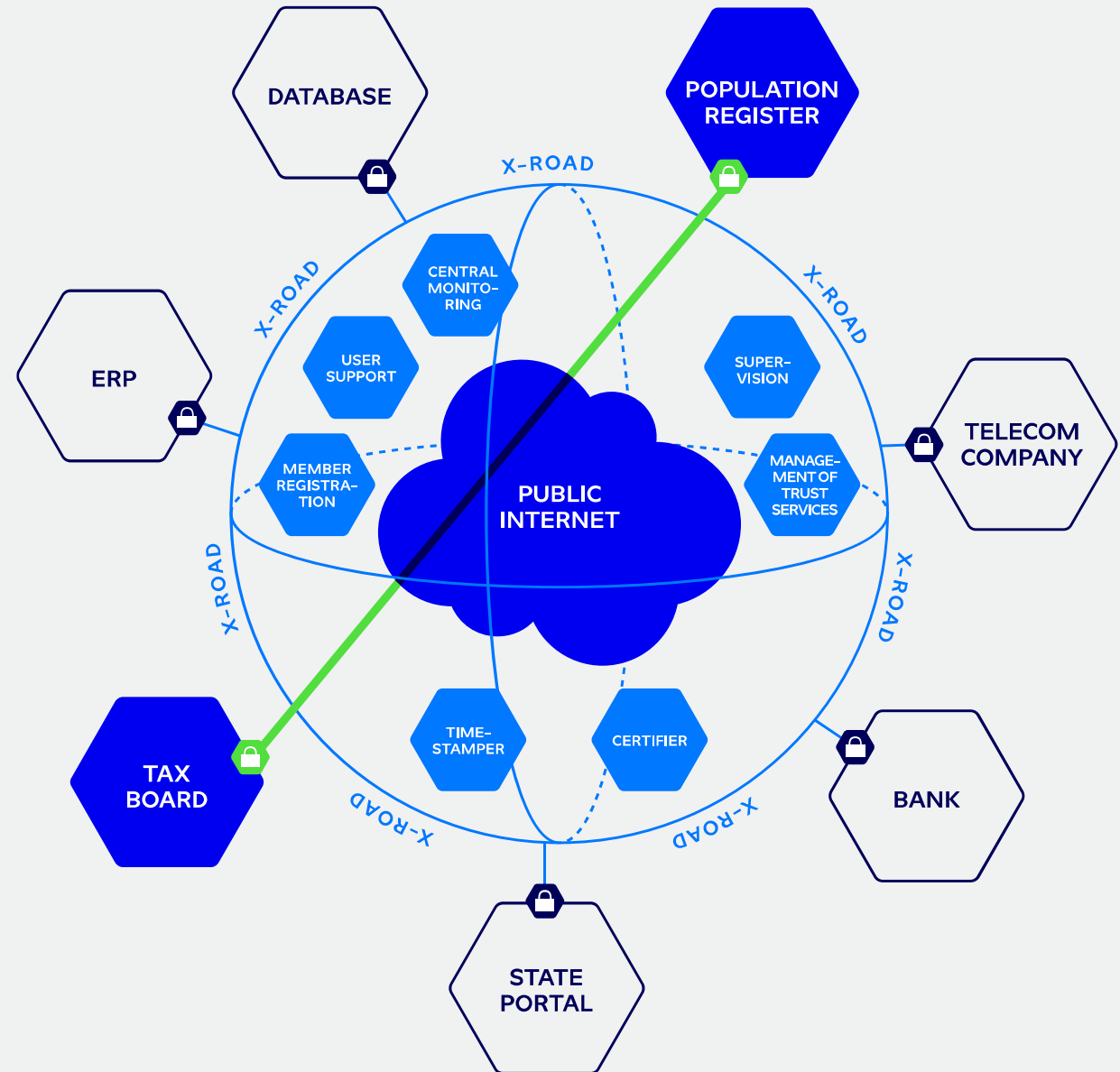
the busiest highway since 2001

X-Road – secure and interoperable open-source data exchange platform

- + operational in Azerbaijan, Argentina, Cambodia, Colombia, El Salvador, Estonia, Faroe Islands, Finland, Germany, Iceland, Japan, Kyrgyzstan, Vietnam, Brasil

X-tee – the Estonian X-Road ecosystem since 2001

- + saving 3 million working hours annually
- + over 3,000 different services
- + over 2,5 billion transactions per year



three pillars

the safest combination to information security

Confidentiality

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

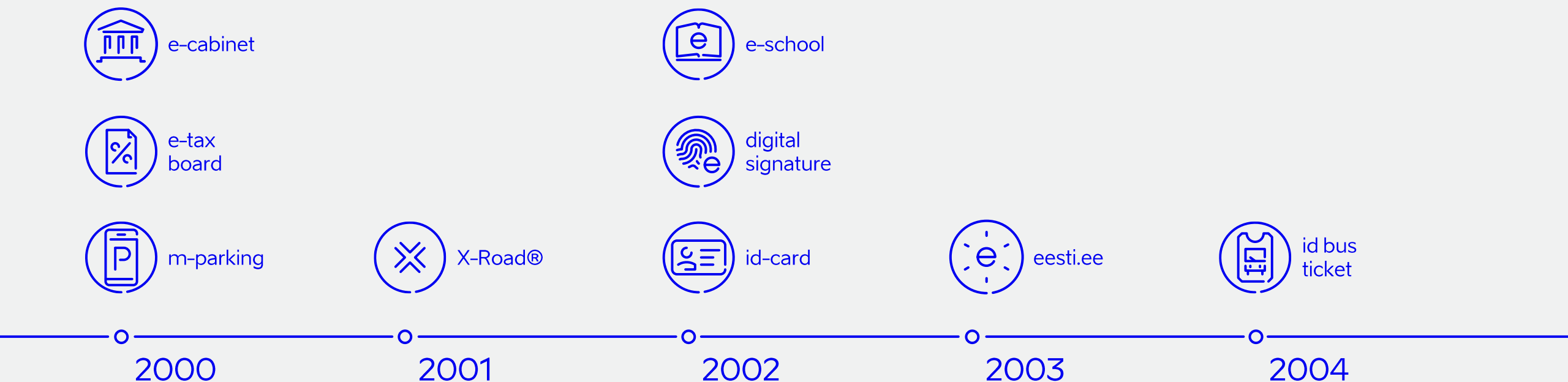
Availability

X-Road®

Integrity

KSI blockchain
Data Embassy

e-Estonia timeline



e-Estonia timeline



2005

2006

2007

2008

2010

e-Estonia timeline



visualised
business
register



smart grid



ev quick
charging
network



public services
green paper



e-service of the
Estonian Road
Administration



e-residency



e-receipt

2011

2012

2013

2014

2015

e-Estonia timeline



ease of doing business

simplest and fastest business environment

- + under 3 hours to start a company
- + paperless and hassle-free e-taxation
- + #1 in International Tax Competitiveness Index (2023)
- + e-residency — Estonian e-services for every world citizen



estonian startup ecosystem

- + 1500+ startups
- + 10 unicorns - #1 per capita in Europe
- + raised around € 4.1B in funding since 2010
- + Estonian Startup Visa & Scale-up Visa
- + supportive ecosystem



e-residency

e-resident.gov.ee

- + first in the world
- + 170+ countries
- + 100,000+ e-residents to date
- + 26,000+ e-resident companies
- + over 180 million € direct economic benefits 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
- + KSI Blockchain



blockchain pioneers

guarding integrity since 2012

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



Estonia uses
blockchain technology
for integrity verification
of government registries
and data.

No data is saved to
the blockchain.

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
- + Estonia as a host country



i-voting

internet voting in Estonia since 2005

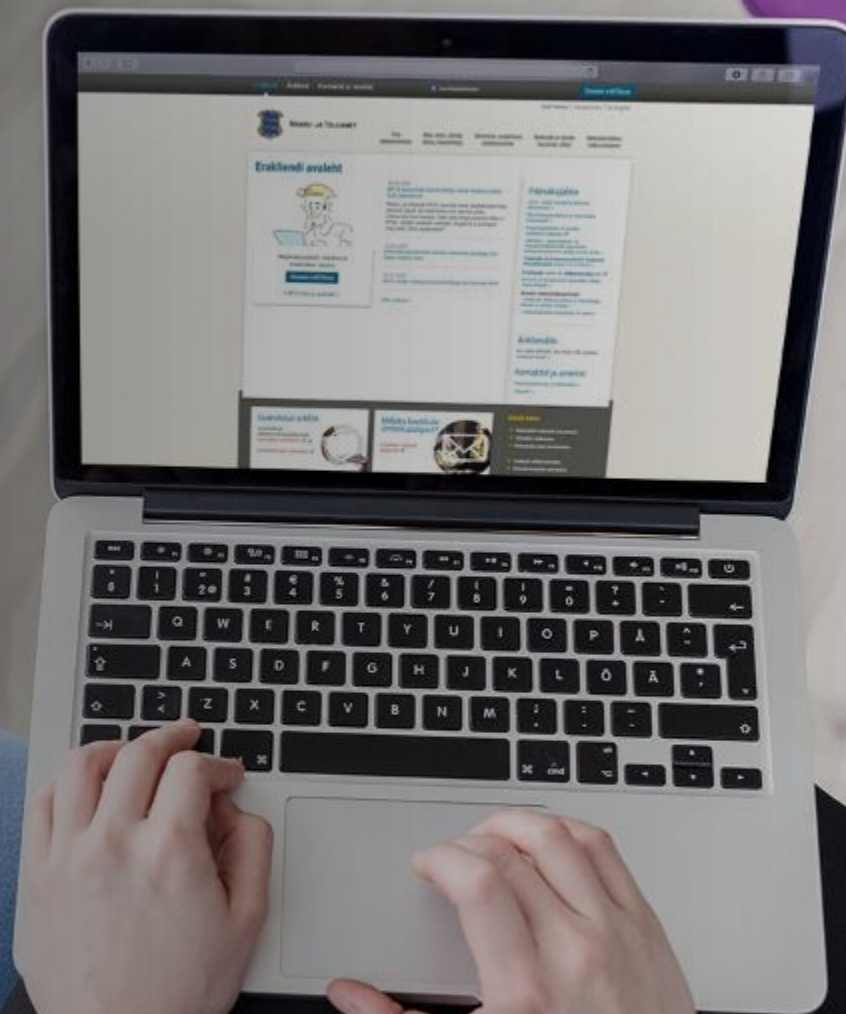
- + first and still the only one in the world
- + time and location independent
- + strictly optional
- + possibility to change your vote
- + 51% i-voted in the 2023 parliament elections



e-tax

the first public online service since 1999

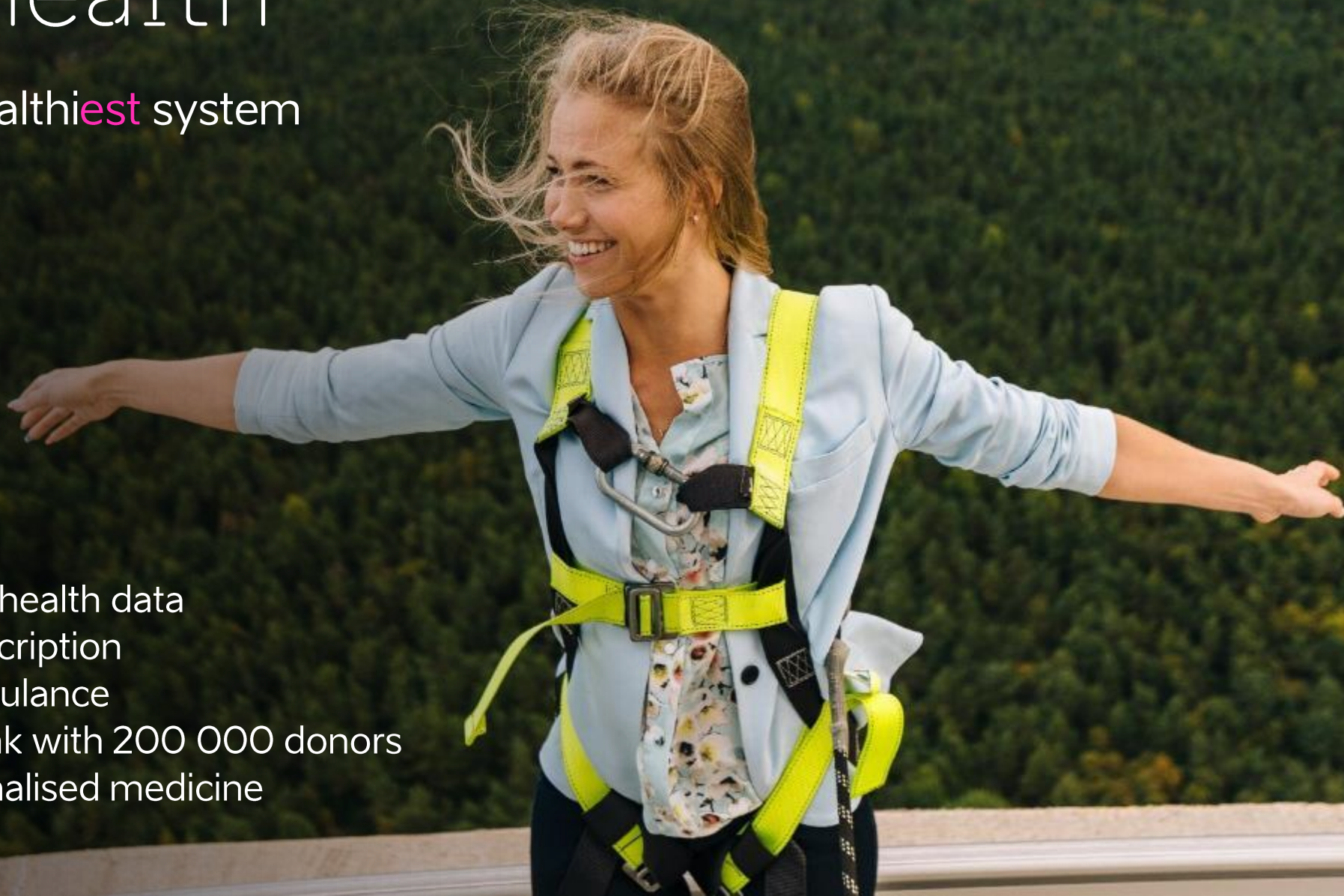
- + taxes filed in 3 minutes with digital ID
- + pre-filled forms with automated data
- + applies to all types of taxes
- + 99% of income taxes are declared electronically



e-health

the healthiest system

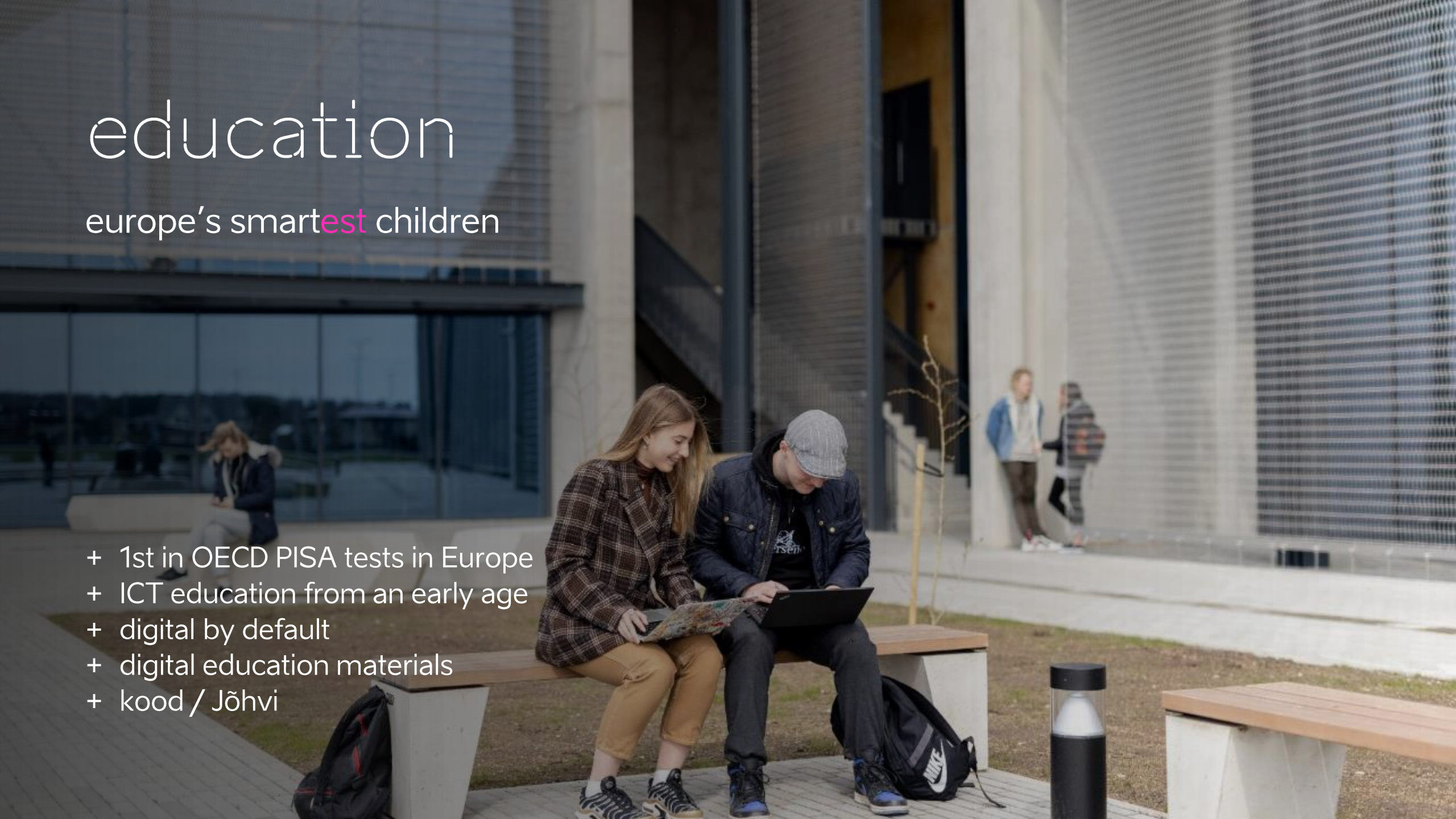
- + digital health data
- + e-prescription
- + e-ambulance
- + biobank with 200 000 donors
- + personalised medicine



education

europe's smartest children

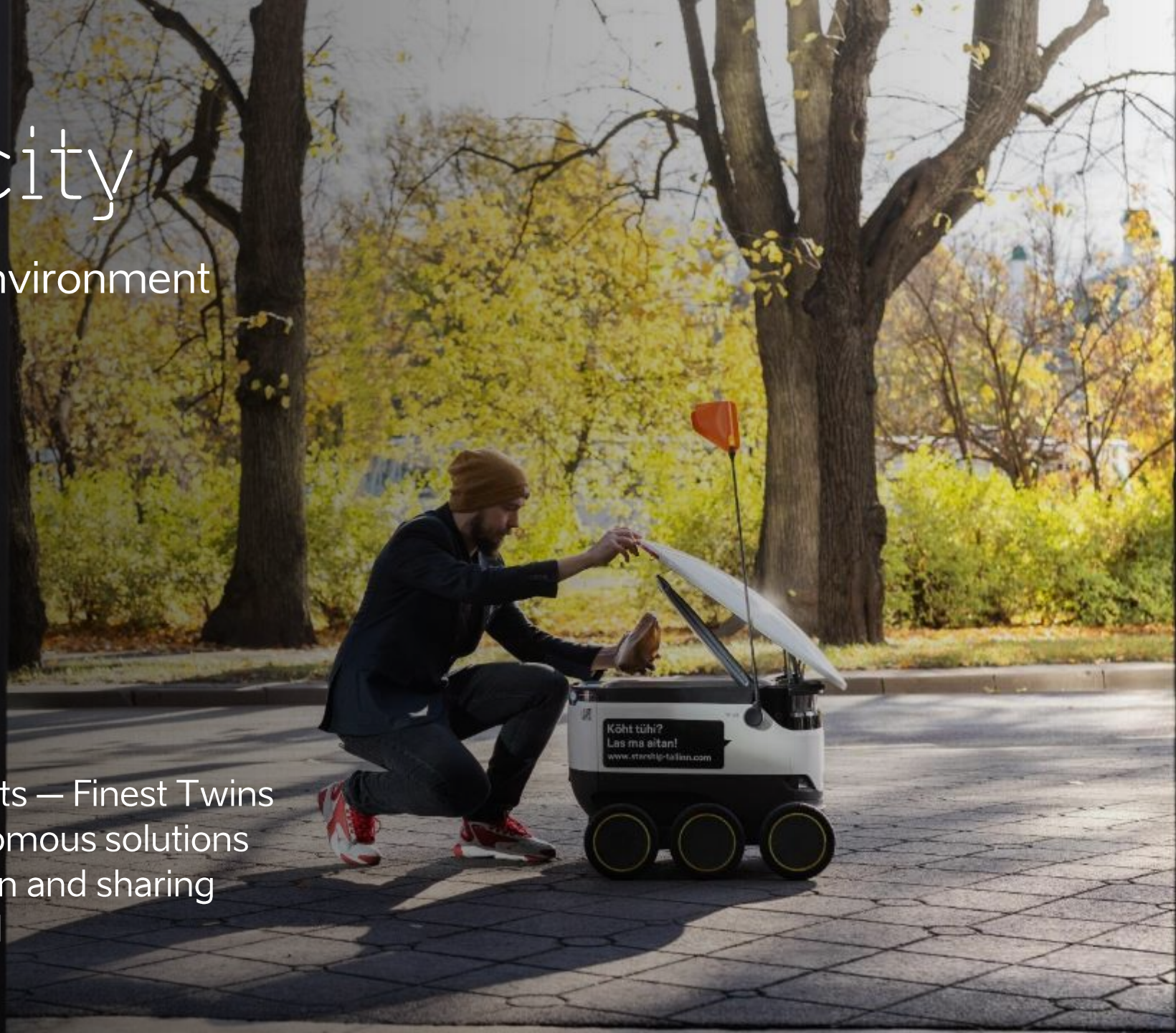
- + 1st in OECD PISA tests in Europe
- + ICT education from an early age
- + digital by default
- + digital education materials
- + kood / Jõhvi



smart city

smart^{est} 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
- + cemetery Portal Haudi
- + vehicle history check
- + smart-road map



building a world free from financial crime

- + revolutionising fight against financial crime
- + combating crime with smart tech and collaboration
- + building up global crime-fighting networks
- + AML Bridge by regtech Salv and leading banks

digital agenda 2030

estonia full of digital might

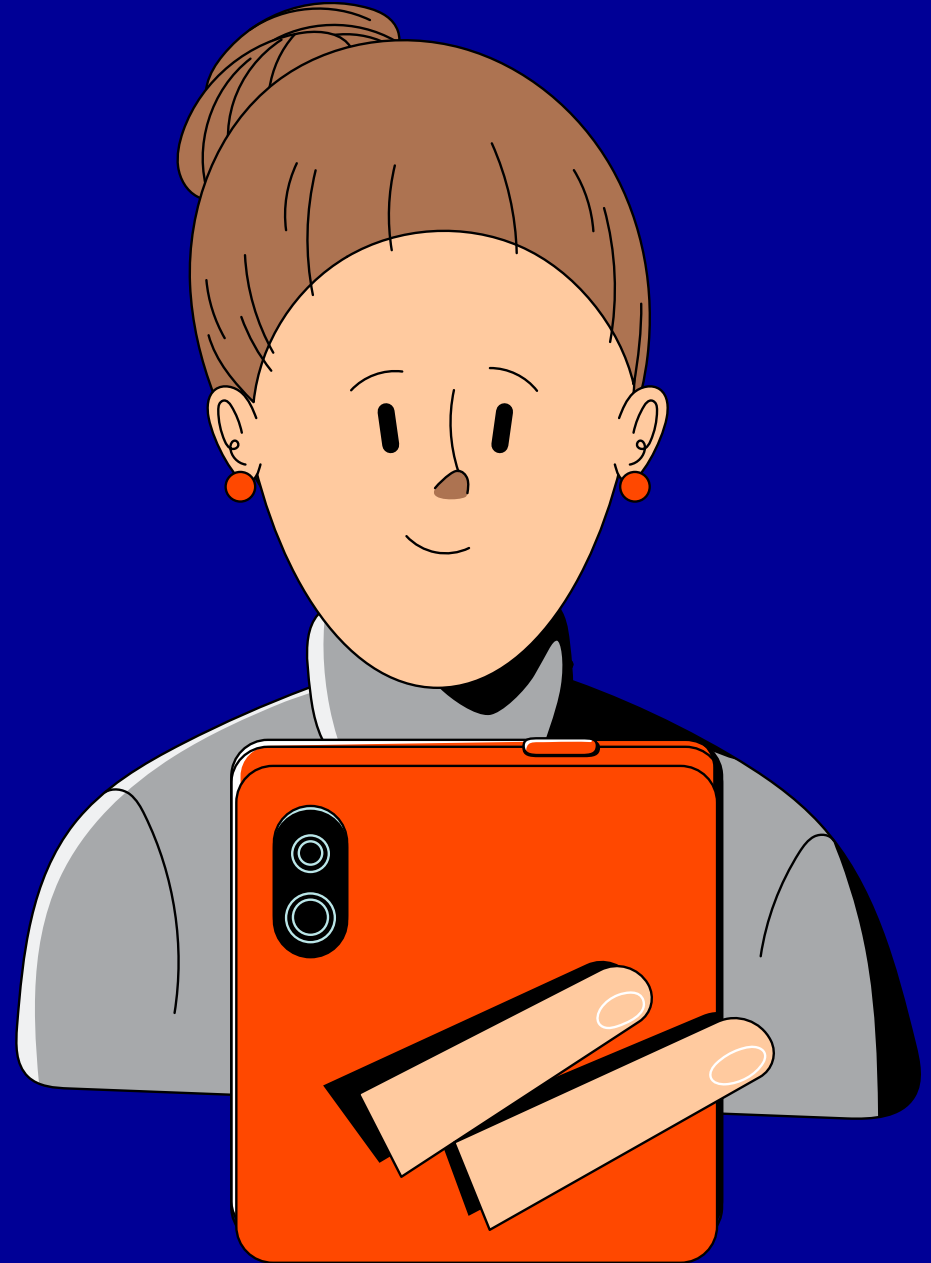
- + satisfaction with public digital services
- + super fast, trustworthy and affordable connectivity
- + secure and trustworthy cyber space



bürokratt

virtual assistant for government services

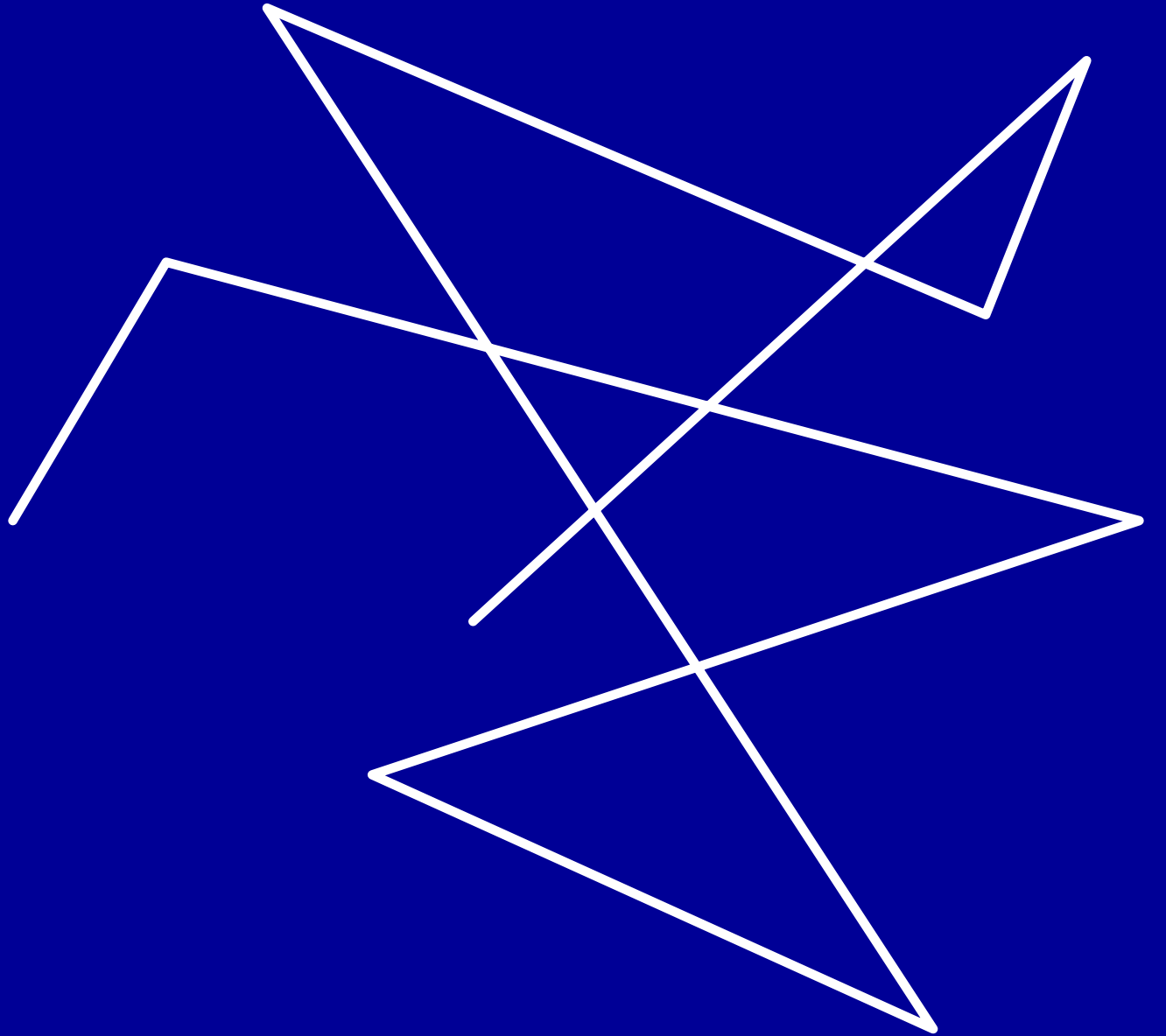
- + all government services & info from one place
- + works 24/7
- + channel and device agnostic (chat, sms, e-mail, phone, voice assistant)
- + open-source and free



kratt

national AI strategy

- + public-private partnership
- + government initiative
- + 120+ use cases in public sector



international cooperation

- + Estonia cooperates with digital-minded countries: D9+, Digital Nations, DGX
- + public-private partnership that works beyond borders
- + NGOs' power in digitalisation: eGA, NIIS



estonishing future

seamless e-services available 24/7

- + proactive government
- + AI in government services
- + cross border digital governance
- + personalised medicine
- + reduce footprint of ICT



proactive government



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

lessons learned

be bold**est**





- + digital-minded leadership
- + keep it short and simple
- + transparency works
- + shared platforms are quicker
- + service design matters
- + public-private partnership
- + start-up mentality



stronger together

let's keep in touch!

sign up to our newsletter and follow us:

    e-Estonia

e-estonia@eas.ee