An aerial photograph of a misty landscape. In the foreground, a wooden boardwalk winds through a field of tall grass and scattered trees. A person is walking on the boardwalk, moving away from the viewer. The background features a large body of water, possibly a lake or a wide river, with a dense forest of trees on the far shore. The overall atmosphere is serene and natural.

enter e-estonia

the coolest digital society

maria belovas

Consul General of Estonia in San Francisco

covering 13 western United States

a modest country

extending beyond its borders

- + population: 1.3 million
- + area: 17,505 mi²
- + 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

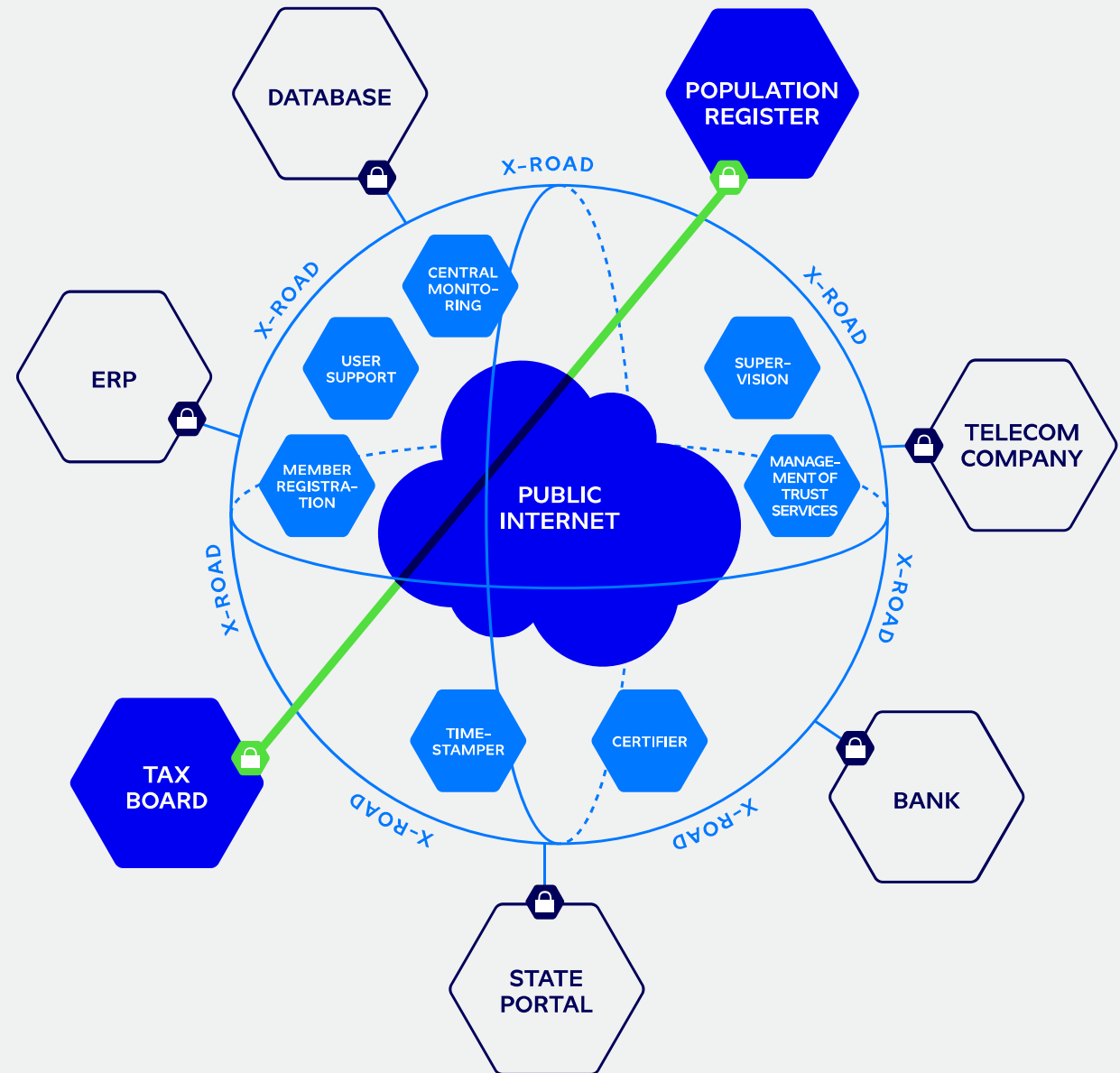
the busiest highway since 2001

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



2000

2001

2002

2003

2004

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

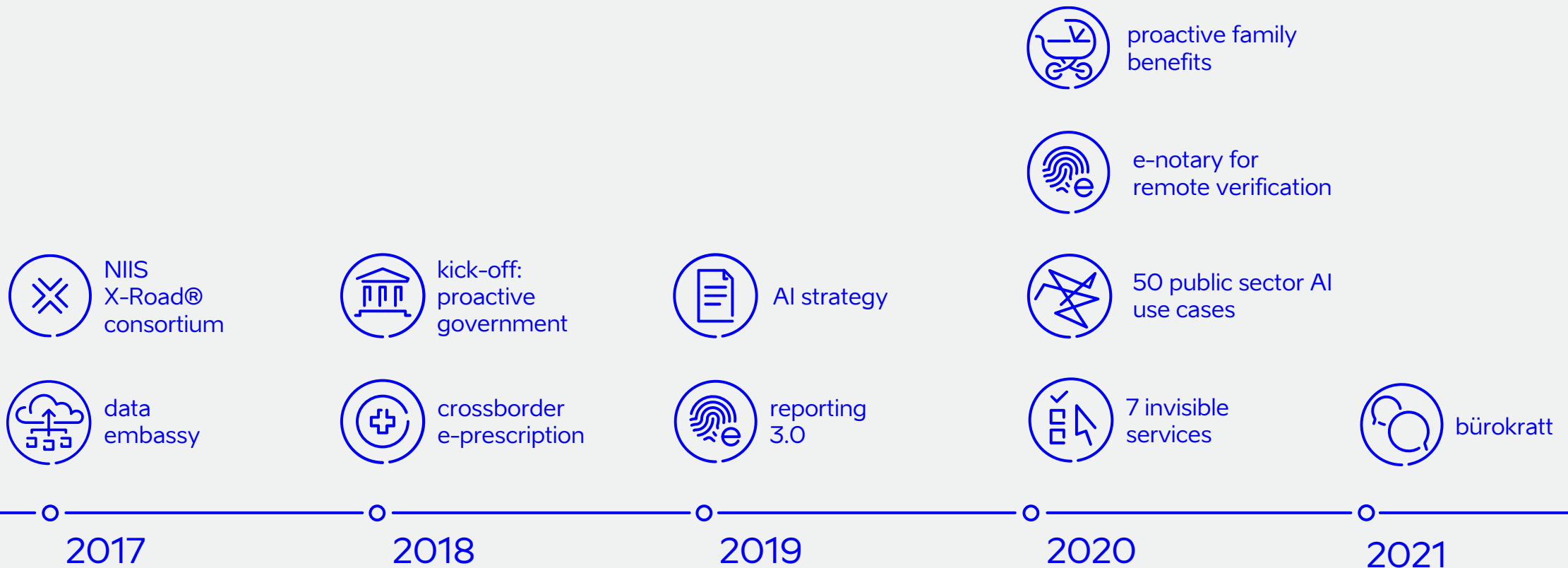
2012

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



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

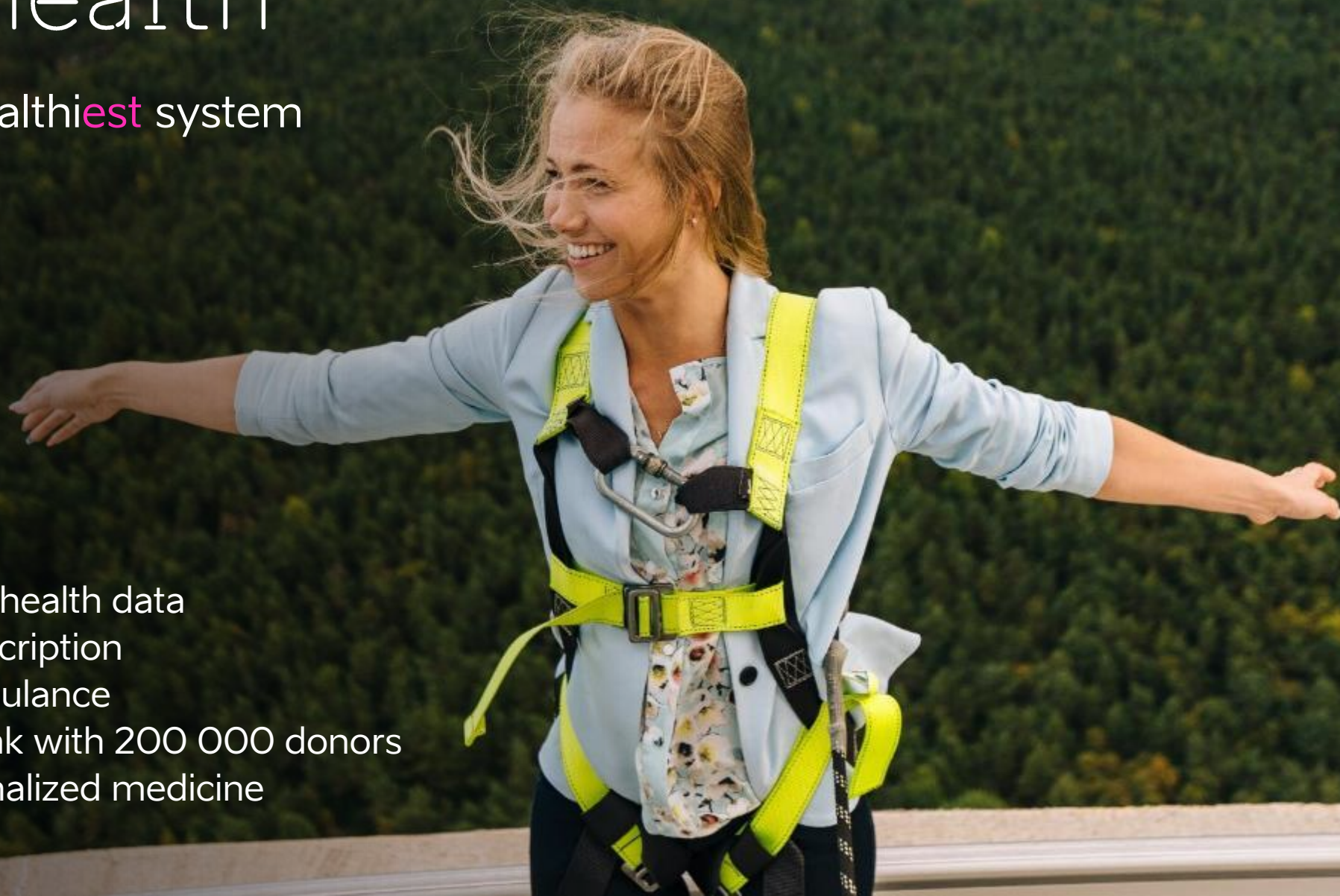
- + taxes filed in 3 minutes with digital ID
- + pre-filled forms with automated data
- + applies to all types of taxes
- + 99% of income taxes are declared electronically



e-health

the healthiest system

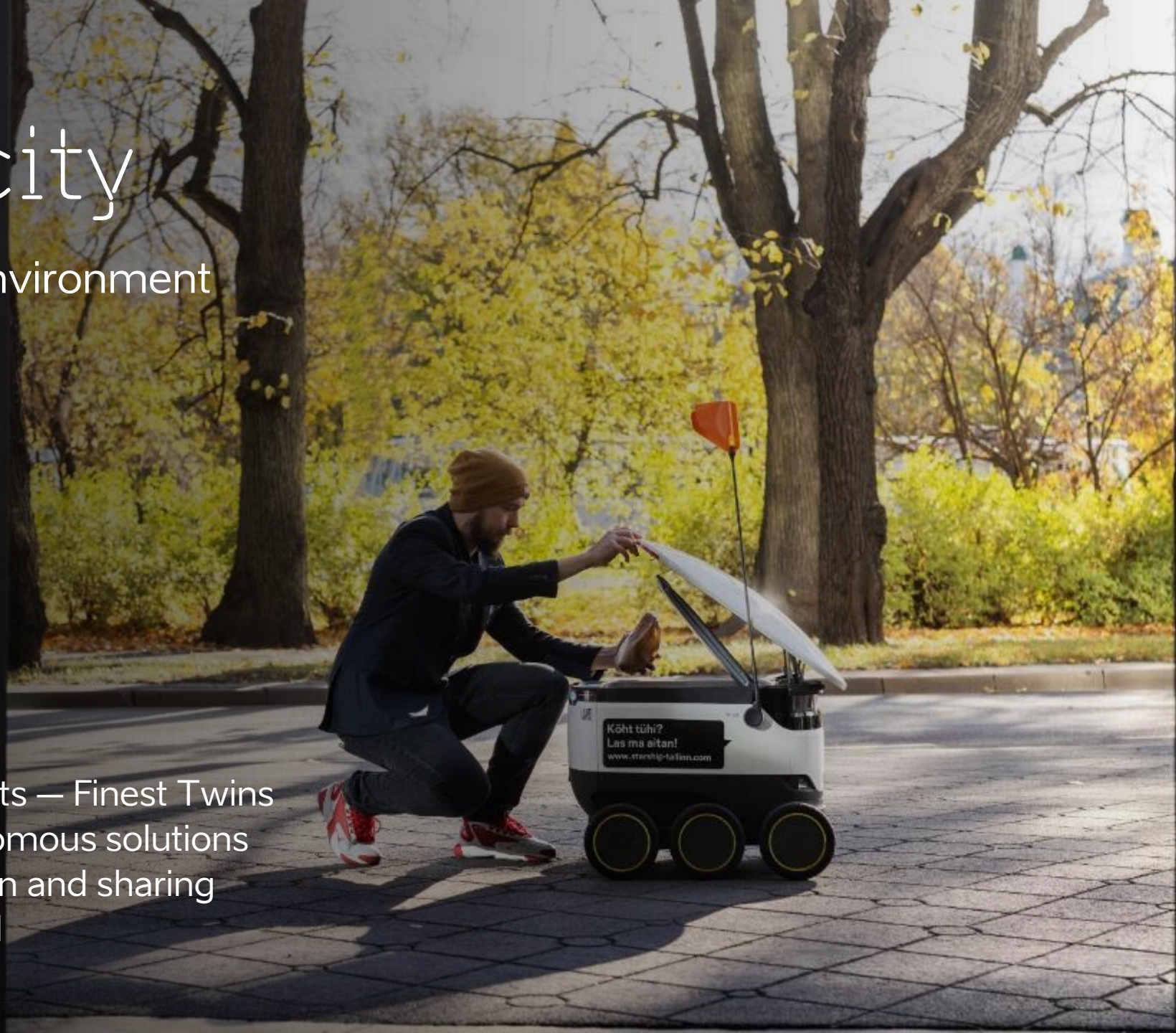
- + digital health data
- + e-prescription
- + e-ambulance
- + biobank with 200 000 donors
- + personalized medicine



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



digitalize everything

the journey never ends



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

digital agenda 2030

estonia full of digital might

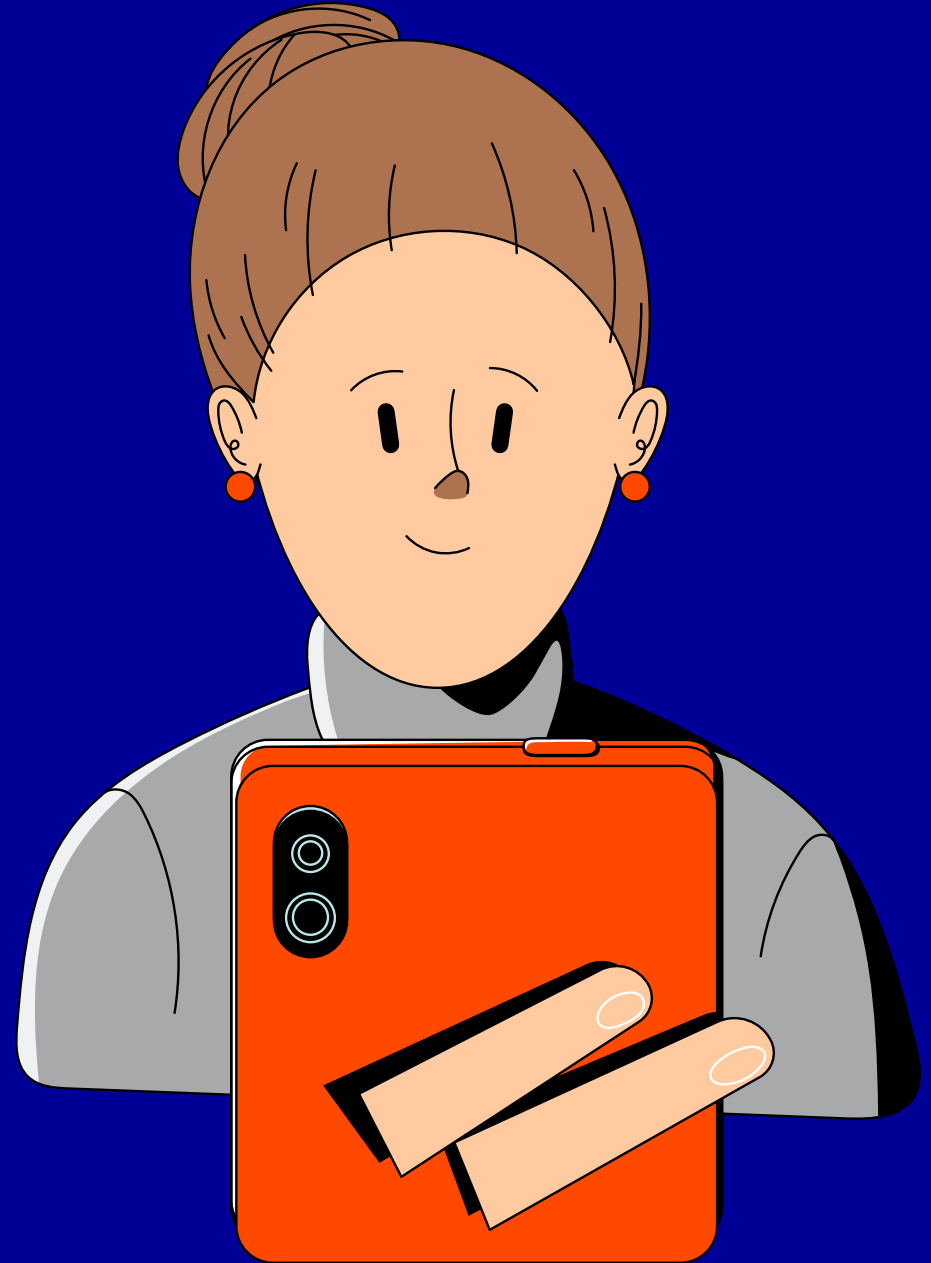
- + satisfaction with public digital services
- + super fast, trustworthy and affordable connectivity
- + secure and trustworthy cyber space



bürokratt

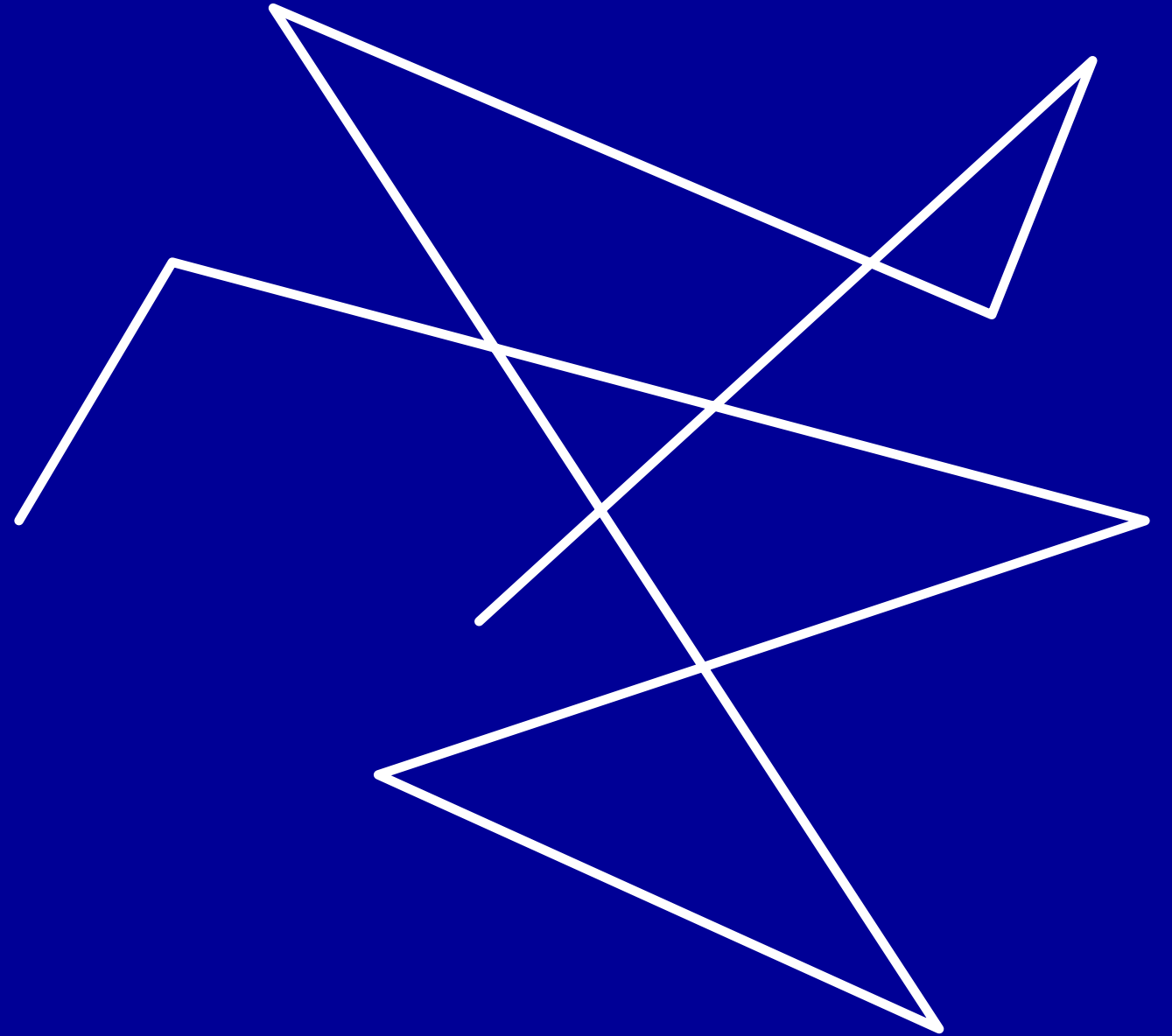
virtual assistant for government services

- + 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

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

Questions?

