

eID & Digital Identity

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Raul Kaidro

- ▶ **CEO of RaulWalter**
- ▶ **15+ years of experience**
- ▶ **International presence**



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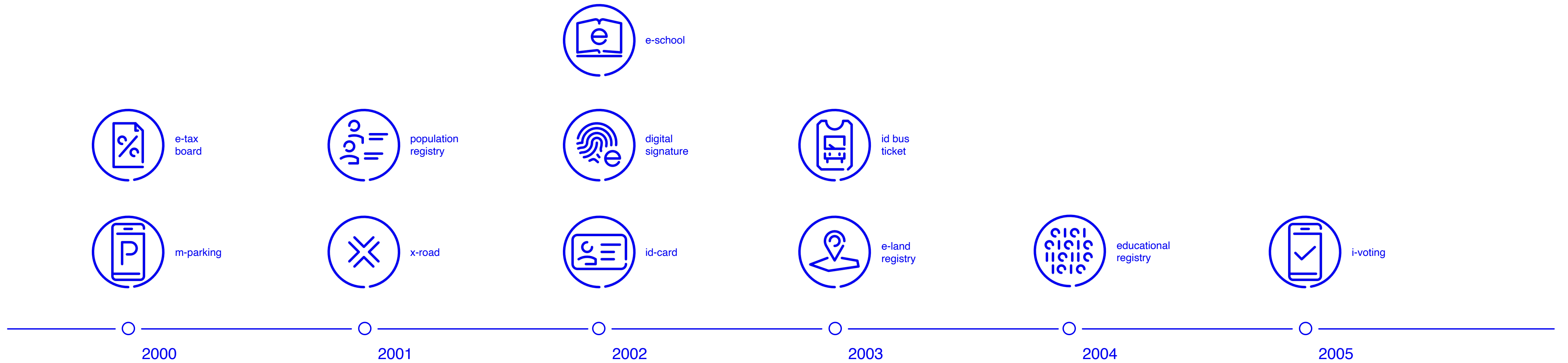


Historic Background

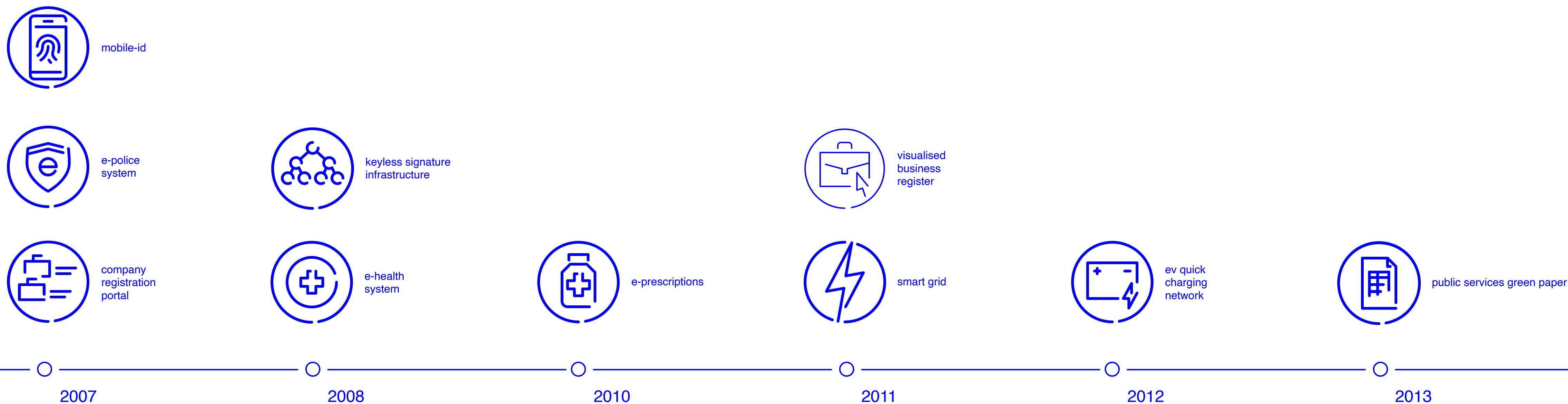
- ▶ **Pilot project for USSR**
- ▶ **Standardised after regaining independence**
- ▶ **Driven by banks and telcos**
- ▶ **Replicated from the best practices**
- ▶ **State provided ice scratcher**



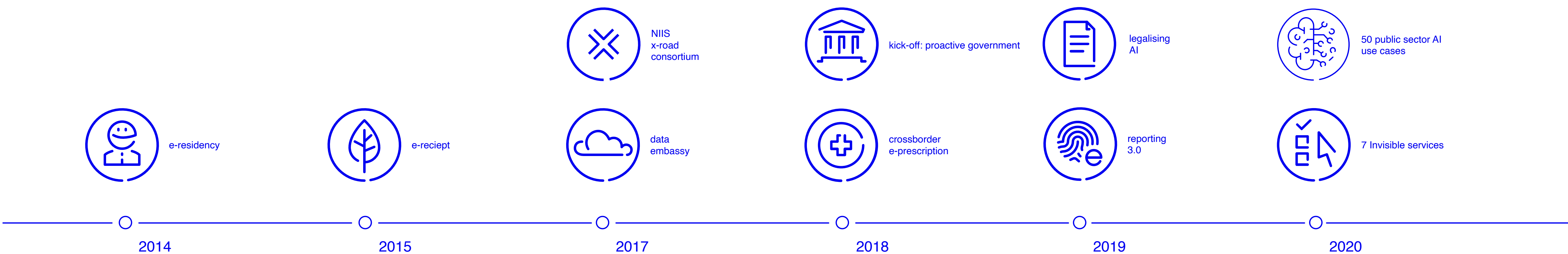
e-Estonia Timeline



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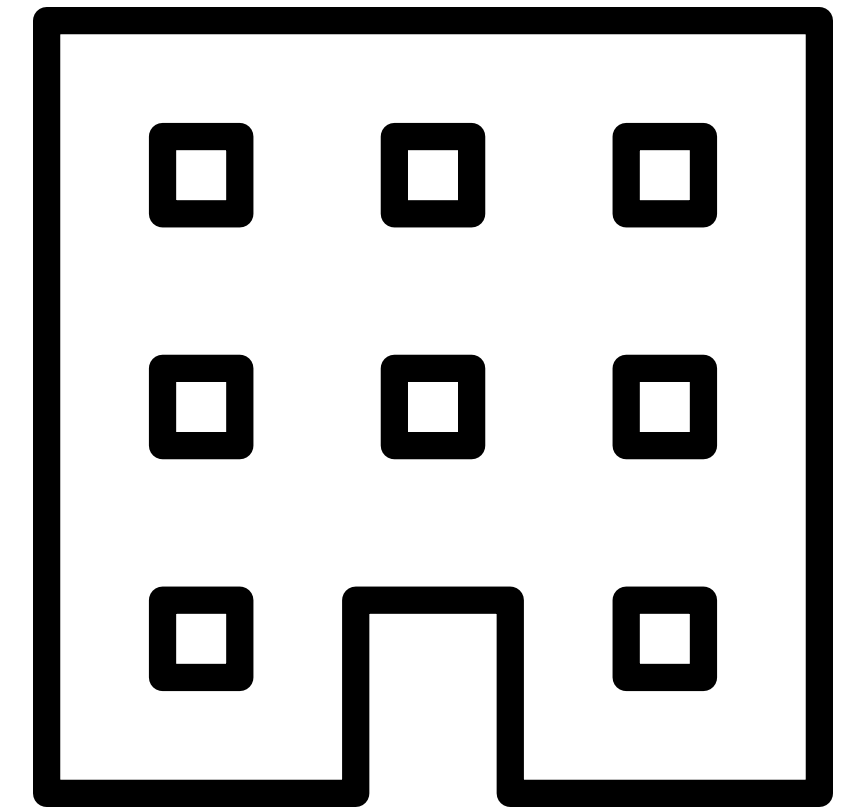
Legal Framework

- ▶ **Population Register Act**
- ▶ **Digital Signatures Act** (now eIDAS)
- ▶ **Data communication layer X-Road**
- ▶ **Data Protection Act**
- ▶ **Identity Documents Act**



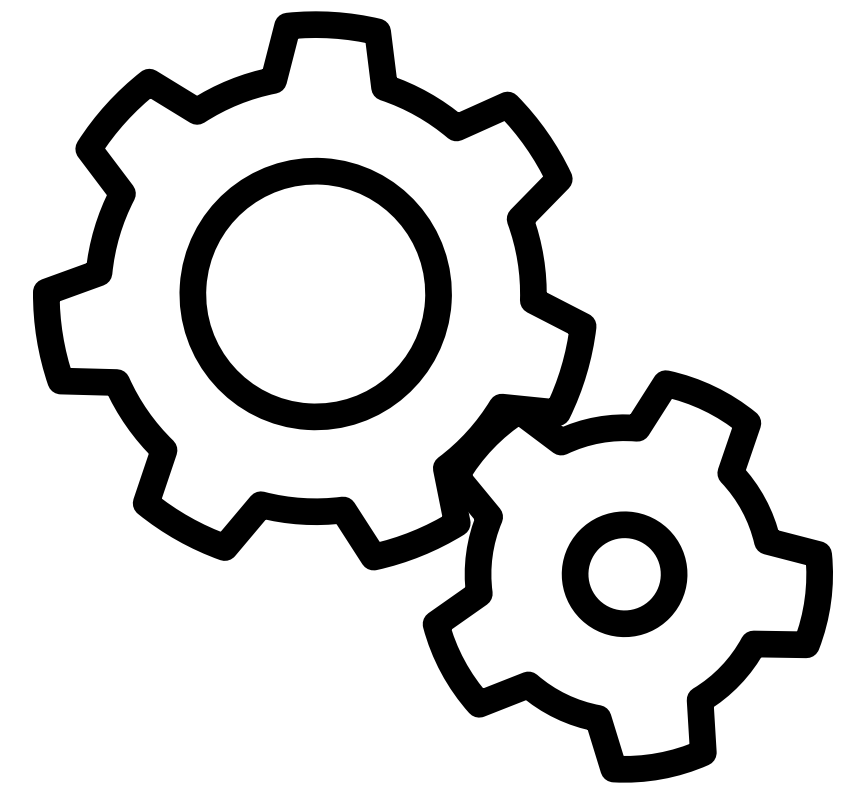
Institutional Framework

- ▶ Population Register
- ▶ Citizenship and Migration Board
- ▶ Data Protection Inspectorate
- ▶ Technical Regulatory Authority
- ▶ Information System Authority



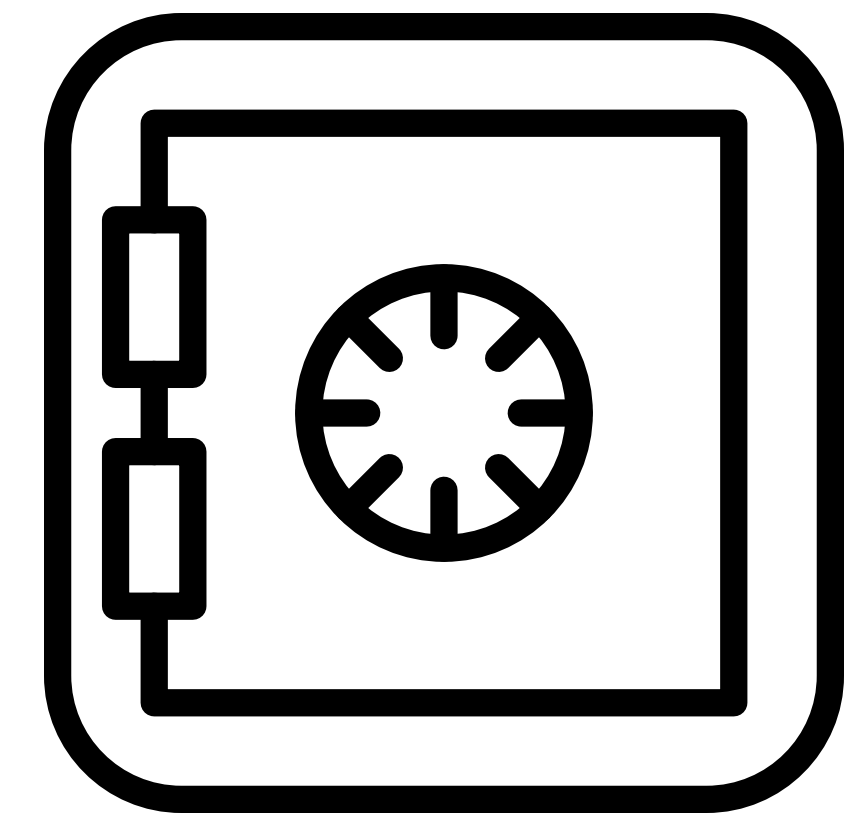
Making Connections

- ▶ Unified identifier for all
- ▶ Concept of Digital Name
 - ▶ *My digital name is 37702272723*
- ▶ X-Road for data exchange
- ▶ Citizen control over data



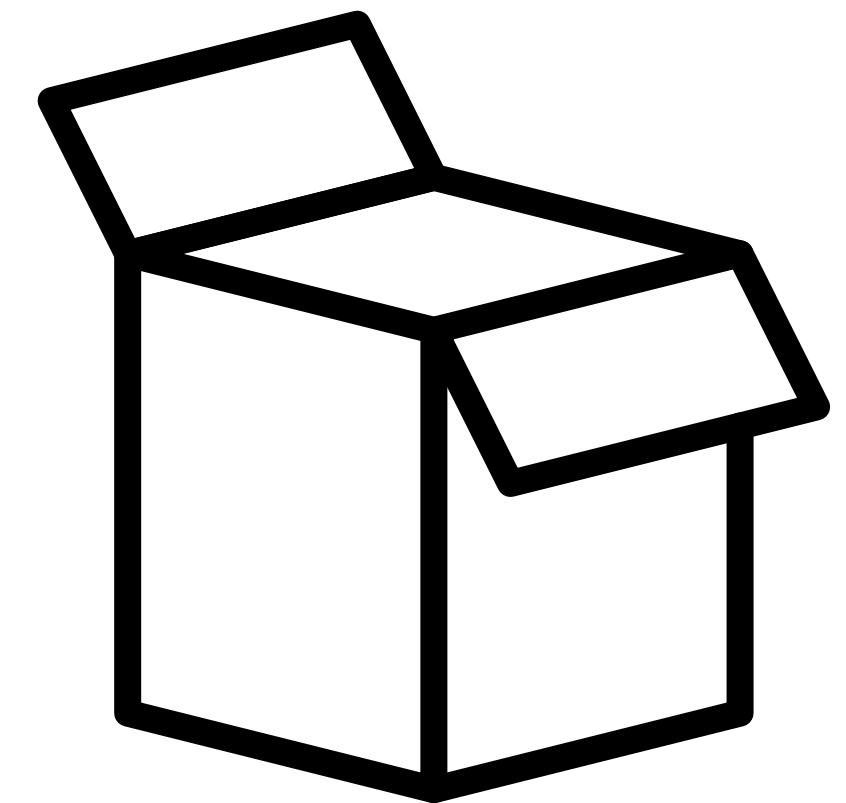
Trust Service Provider

- ▶ Owned by banks and telcos
- ▶ Subcontractor to Gemalto
- ▶ Supplied along with ID1
- ▶ Separate contract for Mobile-ID
- ▶ App based Smart ID
- ▶ Used to provide all the tools
- ▶ Still provides the user support



Variety of Documents

- ▶ ID-card
 - ▶ Digi-ID
 - ▶ Residence Permit
 - ▶ Mobile-ID
 - ▶ e-Resident
-
- ▶ Smart ID
 - ▶ SEB Enterprise ID



Application

► Everywhere!

Both public and private

2400+ e-services available

1 296 712 active ID-cards

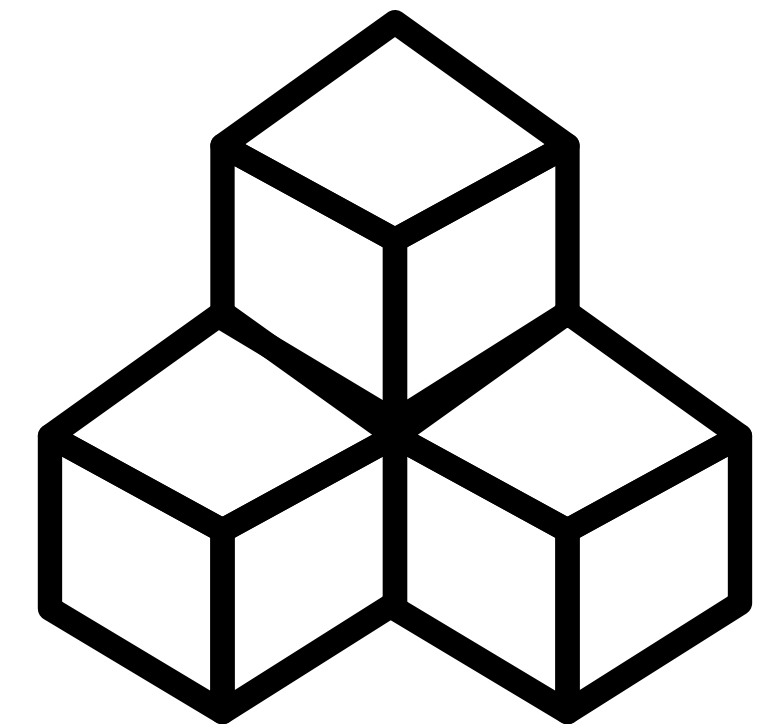
171 351 Mobile-ID users

194 585 Smart ID users

39 049 e-residents

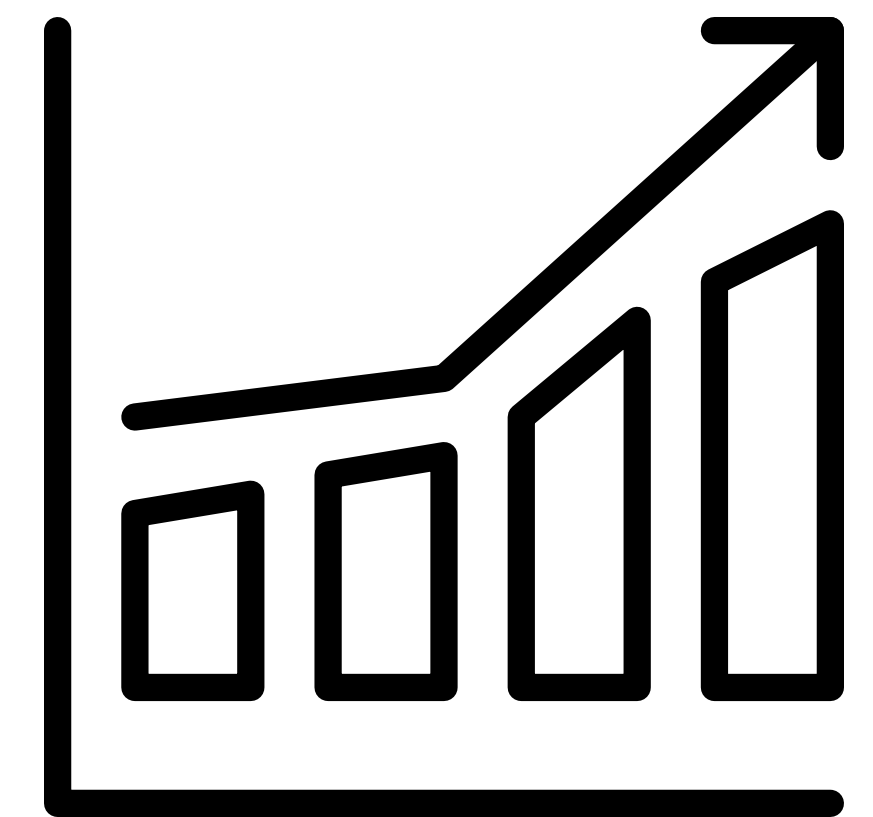
476 621 816 digital signatures used

During previous election 186 034 votes casted electronically



Keys to Success

1. Connectivity
2. Skills
3. Citizen control over data
4. Single digital identity
5. Government IT architecture
6. No-legacy!



Thank You!

