

Cybernetica

CORE COMPETENCE

Cybernetica focuses on five core areas of operation: data exchange technologies, digital identity technologies, cybersecurity services, tax and customs information systems, as well as surveillance systems and marine radio communication.

REFERENCES AND KEY PARTNERSHIP

- e-Government interoperability systems for Ukraine (Trembita) and Benin
- Advisory and research of online enrolment and renewal of Dutch passports for the Dutch Ministry of Interior Affairs
- "Fiscal Reform for Strong Tunisia" (FIRST) — Building sectorial interoperability in Tunisia
- Integrated Vessel Traffic Management and Radio Communication Systems for Malaysia
- Vessel Traffic Management Information System on the Gibraltar Strait
- Long-standing partner of the Estonian Tax and Customs Board
- Leading Estonia's transition of e-governance systems to post-quantum cryptography (PQC)
- Secure Digital Military Mobility System (SDMMS)
- Multi-party secure computation solution for EUROSTAT

KEY PARTNERSHIP

European Commission, EBRD, DARPA, European Space Agency (ESA), Tony Blair Institute, Valid, OECD

Founded: 1997

Employees: 170

Want to know more?

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BUSINESS OVERVIEW



Cybernetica builds future-proof technologies for secure digital societies, combining over 25 years of experience in cybersecurity, cryptography, and e-governance solutions. As the architects of Estonia's digital transformation success story, we have provided both the research and practical applications for secure digital services. We developed the core technology that powers the e-Estonia ecosystem with its essential building blocks: time stamping, X-road, internet voting, secure mobile digital identity technology, mission-critical systems for the Tax and Customs Board, and more. Today, our expertise is trusted by governments and organisations worldwide seeking to strengthen their digital capabilities. Our unique expertise ranges from secure data exchange to digital identity, e-voting, information security, situational awareness and more. Currently our technologies are used in more than 40 countries worldwide, on 6 continents.

E-GOVERNANCE CORE TECHNOLOGIES

Secure data exchange and interoperability, enabled through the Unified eXchange Platform (UXP), are widely regarded as the backbone of any successful digital transformation. As a next-generation evolution of the Estonian X-Road, UXP connects fragmented agencies into secure, interoperable ecosystems, ensuring legal assurance and safeguarding citizen rights. By enabling governments to provide a seamless, trusted data-sharing platform for public and private sector organisations, UXP supports human-centric services and streamlines back-office processes.

References: Ukraine (Trembita), Malaysia (MyGDX), Benin, the Bahamas, Greenland (Pitu), Namibia (Nam-X), Brazil, Japan, Aruba, Tunisia, USA, NATO, etc. Splitkey. A digital identity technology that turns mobile devices into secure authentication and qualified signature devices. SplitKey technology powers Smart-ID applications across the Baltics, Iceland, and Belgium, serving 3 million users and processing 85 million transactions monthly. **References:** Entire Baltic region with expanding adoption in Nordic and European markets. Privacy preserving technologies like Sharemind enable governments and companies to analyse sensitive data without compromising individual privacy. Sharemind protects data better than standard databases thanks

to secret sharing, which allows sharing records with partners while retaining control. Use cases include genome data research, healthcare analytics, and more.

References: Italy, Denmark, Portugal, Greece, Estonia, USA, China, Switzerland, Germany, Canada, Indonesia, Norway, UK

CYBERSECURITY IN DEFENCE

In addition to e-governance, Cybernetica is an expert in cryptography and cybersecurity, especially in the defence domain. Our expertise spans from foundational cryptographic research (including post-quantum cryptography) to mission-critical defence applications.

References: Participation in numerous European Defence Fund projects and collaboration with the European Space Agency to build resilient military cybersecurity ecosystems and equipment.

MARITIME SURVEILLANCE

We build effective border surveillance systems and maritime situational awareness to ensure safety on land and sea. Our surveillance and radio communication systems are used in over 100 locations in the world, including the external borders of the EU and NATO.

References: Indonesia, Malaysia, UAE, Singapore, Estonia, Romania, Bulgaria, Poland, Germany, Denmark, Italy, Azerbaijan, Lithuania, Montenegro.

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