



# Unified eXchange Platform (UXP)

Interoperability and  
data exchange technology  
for secure digital states

# Interoperability — the backbone of any digital society

Interoperability and secure data exchange are the key foundation of any digital state or ecosystem. Overcoming fragmented data silos enables the provision of seamless digital services, creating value and new business models. Whether you are taking your first steps towards digitalisation or want to redesign your current systems, we are there to assist you.

## Future-proof technology

Cybernetica's strong focus on R&D places our technologies at the forefront of technical innovation. Infinitely scalable architecture supports gearing up for the future.

## Security by design

Data should belong directly to the owner, with encrypted peer-to-peer communication enforcing strong security practices for data confidentiality and integrity.

## Comprehensive implementation

Achieving interoperability can be a complex task. We offer knowledge and support from initial consulting to licensing, technology set-up and configuration.

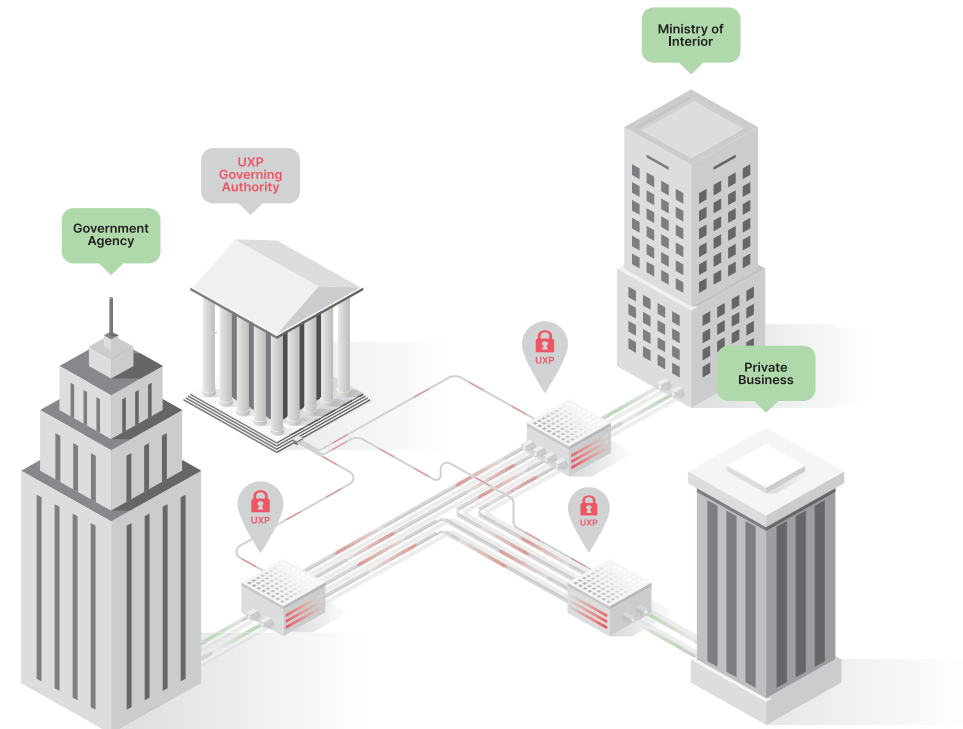
## From creators of digital societies

With over 20 years of experience in driving digital transformation, we are the architects of the Estonian X-Road, the backbone of the world's most advanced digital society.

# UXP-based digital state ecosystem

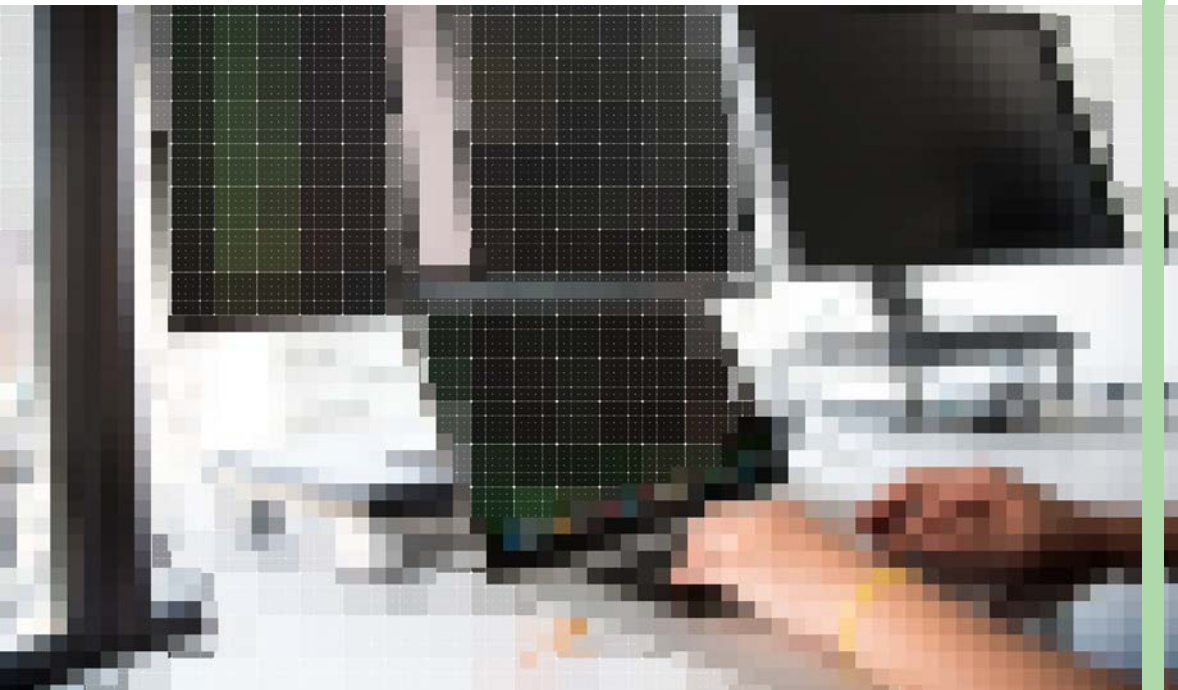
Cybernetica's interoperability offering is based on our UXP (Unified eXchange Platform) technology.

UXP as the technical foundation of interoperability brings together data of different organisations and information systems for state-wide connectivity. This decentralised infrastructure platform is governed, maintained and monitored by a central authority. The security of the ecosystem is assured by encryption and the use of trust services.



# What we can do for you

Our seasoned team of interoperability and data exchange experts is capable of technical support and guidance irrespective of domain or digital maturity.



## **Unified eXchange Platform (UXP)**

Interoperability technology enabling peer-to-peer data exchange over encrypted and mutually authenticated channels. UXP software is licensed with flexible models to suit the unique needs and preferences of customers.

## **Interoperability as a Service**

Managed UXP is a cloud-based interoperability service that allows full-scale interoperability without investment in physical infrastructure or excess operational overhead. Hand over complexity and risk so you can focus on value generating activities.

## **UXP Data Privacy tools**

Transparency-enhancing Access Tracking and Consent Management technologies for data protection compliance. Providing users full control over data use allows to increase trust within the digital ecosystem.

## **Advisory services**

Full suite of consulting services to complement technical implementation. Ensuring a successful transition with expert support for use-case discovery, capacity building, and more.

## **Custom software development**

We also build tailor-made solutions based on customer needs to add value to the UXP data exchange layer, such as a citizen portal for increasing access to digital services.



# Proven track record worldwide

Hand-picked interoperability references



## X-Road in Estonia

Cybernetica was the technical architect of Estonia's interoperability platform called the X-Road. X-Road is the backbone of secure data exchange in Estonia, supporting all digital public services since 2001. As a result of its adoption, today 99% of government services are available online, minimising bureaucracy and back-office overheads. Our UXP data exchange technology has grown out of the groundwork done with the X-Road in Estonia and by now surpasses it in terms of security and scalability.



## UXP-based public services in Benin

Cybernetica implemented its data exchange technology, the UXP, as the full-scale interoperability platform in the Republic of Benin. Since 2019, a new digital government platform was set up from scratch and new public digital services were launched within just 1 year. Today, the UXP platform has become a significant enabler of improved public sector productivity, leading to phenomenal changes in the society.



## UXP as the core of Trembita in Ukraine

In 2017, Cybernetica implemented UXP as the foundation for Ukraine's interoperability platform, Trembita. Among other benefits, Trembita supports Ukraine's public service application Diia that offers wideranging digital services. Despite the full-scale war and ongoing cyberattacks, the foundation of Ukraine's digital government remains stable, resilient and constantly adding new value to the people.



# Hear from our customers

“Our collaboration with Cybernetica has been very successful. The Trembita is fully functional and serves as the backbone for public e-service development. To date, 2,000 electronic interactions between public authorities are made daily through the Trembita system and some 50 government institutions have shown willingness to connect their databases to the system.”

**Mari Pedak**

Team Lead of the EGOV4Ukraine project  
of e-Governance Academy

“Success of the Estonian e-government model has inspired us to further develop the e-government system in Benin and redefine how we communicate with our citizens and how we build business opportunities. Launch of the secure data exchange framework is one step in our digital transformation process and it will not be the last.”

**Maximilien Kpodjedo**

Digital Adviser to the President of Benin

“Cybernetica has been a strategic partner to Estonian government through the years - from creation of X-Road and cybersecurity foundations to preparing for the future through R&D.”

**Siim Sikkut**

Former Government Chief Information Officer of Estonia

# Cybernetica

Cybernetica has 25 years of experience in building future-proof products that rely on research & development. Currently our technologies are used in more than 35 countries globally, including a list of successful interoperability deployments such as in Ukraine, Japan, Benin, Tunisia, Bahamas, Greenland and others.

“We are extremely proud of our decades-long journey. We are certain that with our values, our people, and our capabilities, we will continue to be the driving force in emerging technologies.”



**Oliver Väärtnõu**  
CEO

## Essential facts

Established  
**1997**

Roots in academia  
**since 1960**

Architects of  
**e-Estonia  
ecosystem**

Awards and  
recognitions  
**22**

Contact our sales team for more information:



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**[cyber.ee/solutions/interoperability](https://cyber.ee/solutions/interoperability)**

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