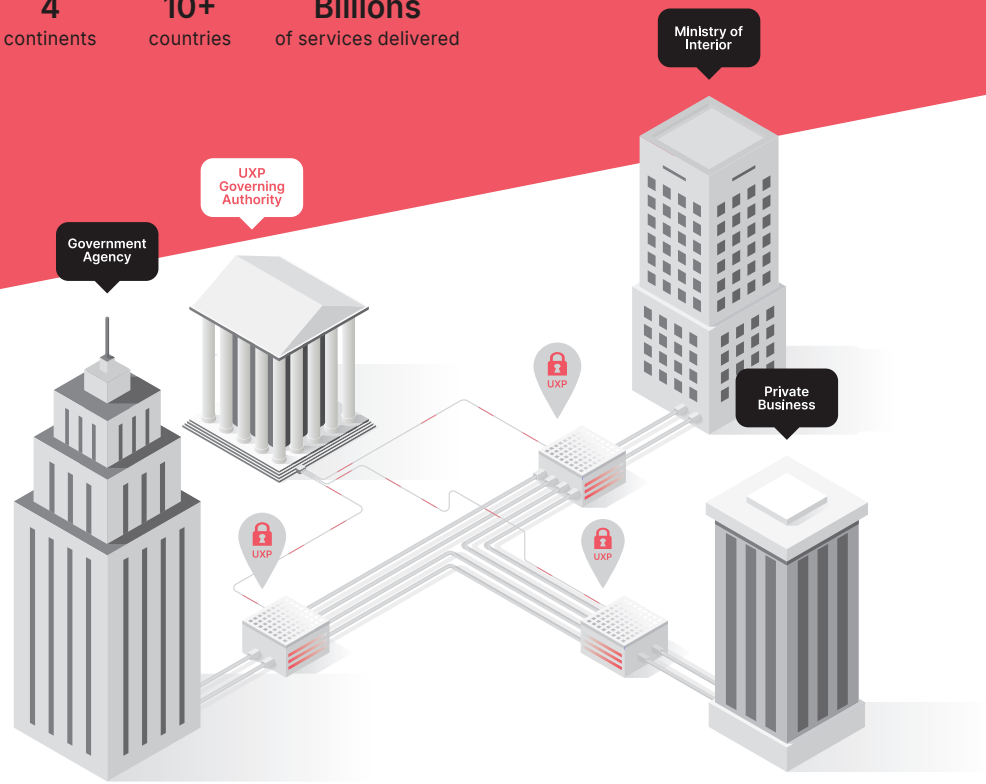
CYBERNETICA

Unified eXchange Platform (UXP)

Interoperability solution powering seamless public services.

Trusted by governments worldwide

4	10+	Billions
continents	countries	of services delivered



THE COST OF DISCONNECTED SYSTEMS

For nearly three decades, we have seen governments and businesses struggling with the same obstacles in sharing sensitive data for service delivery.

- Data locked in silos creates friction
- Manual processes and duplication drain resources
- Integration costs multiply exponentially
- Non-standardisation poses security threats
- Gaps in compliance and privacy erode trust
- Fragmentation holds back innovation

HOW UXP HELPS OVERCOME THESE OBSTACLES

Infinitely scalable data exchange with built-in security and compliance

Designed specifically for national data exchange, UXP provides access to fragmented data from public and private organisations on a single interoperability platform. Deliver seamless services to citizens without compromising security, privacy or regulatory compliance.

EFFICIENCY

SHARED TOOLS, SHARED STANDARDS

Common digital public infrastructure

UXP reduces duplicative overheads and enables collaboration across siloed structures.

Standardised governance

Each organisation manages its own data transactions, but governance stays centralised, ensuring every organisation in the ecosystem operates under the same security and trust standards.

SECURITY

GUARANTEED BY DESIGN

Distributed architecture

Organisations communicate directly without intermediaries. Removing central hubs eliminates the risk of catastrophic breaches or service interruptions.

Robust cryptography

Every data exchange is cryptographically verified and automatically recorded as legal evidence, so you always know your data is accurate, comes from trusted sources, and is fully provable.

SCALABILITY

BUILT TO SCALE

Infinite scalability

As your ecosystem grows, performance doesn't suffer. UXP handles thousands of organisations and billions of transactions without the operational headaches.

Private sector / cross-border services

Engineered for global scale, the system supports onboarding private sector and enables cross-border services with built-in federation.

COMPLIANCE

EMBEDDED FROM DAY ONE

Legal and procedural assurance

Built for public administration, UXP natively ensures every digital exchange meets all procedural rules and is legally sound thanks to cryptographic means.

Data sovereignty and privacy

Each organisation retains full ownership of its data, simplifying data governance while preventing data pooling or mass surveillance.

THE BENEFITS OF UXP

Higher efficiency. Lower costs. Better citizen services. Zero compromises.

Seamless whole-of-government service delivery

Provide 24/7 digital services that process requests instantly. Data sharing across domains means that citizens complete tasks remotely from their devices instead of visiting offices.

Automation of manual work

Eliminate manual data re-entry burdening citizens and officials, and adopt a once-only policy. Your teams can focus on serving citizens with complex needs instead of paperwork.

Personalised and innovative experience

Create innovative services that benefit specific needs of individuals.
Accessing data from multiple sources makes sure nothing blocks progress.

Considerable cost savings

Cut operational overhead. Automated exchange, duplicate removal, and standardised security free up budget for innovation and improved services.

Enhanced operational resilience

No single point of failure means critical services stay online even when individual systems fail. Citizens access vital services when they need them most.

Privacy and compliance guaranteed

Every transaction is cryptographically authenticated, time-stamped, signed, then logged. This ensures data sovereignty and complete audit trails for legal compliance and citizen privacy.

PROVEN TECHNOLOGY WITH REAL-WORLD SUCCESS

UXP-based solutions power government services for citizens
in more than 10 countries across 4 continents.

UKRAINE – Trembita

UXP powers Ukraine's national interoperability platform, Trembita, helping the DIIA e-government app deliver hundreds of services and handle billions of transactions even under adverse conditions.

BENIN – XRoad.bj

UXP serves as the interoperability platform and backbone of the government services portal in Benin. Rolled out within a single year, it has since rapidly scaled to support hundreds of services.

MALAYSIA – MyGDX

Designed to support large-scale ecosystems, UXP has enabled the Malaysian federal government to eliminate the critical bottlenecks that constrained the expansion of digital public services.

CYBERNETICA

We are an R&D-intensive, mission-critical system development company with almost 30 years of experience. Our technologies are deployed in more than 40 countries worldwide.

Established
in 1997

Roots in academia
since 1960

Architects of
e-Estonia



Ready to transform public services?



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