

# BLOCKCHAIN SECURITY CENTER



## Resolving the Challenge of Trust with Enterprise Blockchain Solutions

Blockchain and Distributed Ledger Technology (DLT) have the potential to revolutionize business by facilitating secure, trustless relationships between organizations, applications, and individuals.

Blockchain technology is not inherently secure. The code and cryptography underpinning blockchain architecture are complex, and security often takes a backseat as solutions are rushed to market. Blockchain and DLT also raise unique security challenges, and lack of talent, industry regulation, and enterprise grade development tools makes it difficult to secure and launch solutions with confidence.

The Blockchain Security Center (BSC) is home to some of the world's foremost cryptography and blockchain experts, who provide trusted enterprise-grade solutions and consultancy services to facilitate every stage of development — from inception, assessment, and design to implementation and training. Kudelski Security empowers blockchain and DLT adopters to build and secure powerful solutions for any enterprise need. Our experts work with enterprise clients to realize the business value of blockchain technology in a simple, secure, and scalable manner.

## Kudelski Security Advantage



*"The Kudelski Security team played an important role in auditing every aspect of our smartcard wallet code. With their defense-in-depth approach to security, they provided [...] the defenses to deliver our solution to the market with confidence" —*

**Andrey Kurenykh, Founder & CTO, Tangem**

# Blockchain Security Center

The Blockchain Security Center (BSC) makes world-class cryptography expertise available to enterprise blockchain and DLT adopters. Kudelski Security's blockchain and cryptography experts provide a full range of services and solutions to reduce technical and business friction in the practical application of blockchain innovation.

Kudelski Security's growing ecosystem of strategic alliances provides additional, complementary services to disruptive enterprise and startups looking to adopt blockchain and DLT technologies and concepts to build and secure solutions.

## Enterprise-Grade Security

We provide full stack blockchain development and security services.

### Security Audit, Assessment, and Validation

Security audits are essential to the blockchain development process. Kudelski Security experts use rigorous proprietary tools and techniques to identify security flaws in hardware and software blockchain solutions, then work with client-side developers to implement fixes.

### Security Architecture Review

An external review of blockchain architecture helps uncover weaknesses before they can be exploited. Kudelski Security experts review the security architecture of blockchain applications, solutions, and platforms, and work with clients to improve security, availability, and scalability.

### Security Design and Implementation

Cryptography is the underlying technology of blockchain and DLT. Our cryptography experts and full stack developers make it easy for enterprise clients to build secure blockchain solutions by designing and building the necessary algorithms, hardware, cloud environment and software.

### Security Training

Lack of talent is the #1 hurdle faced by enterprise blockchain adopters. The BSC is home to some of the world's leading blockchain and cryptography trainers, who can provide developers with the tools and knowledge they need to build secure blockchain solutions.

### Regulatory Sandboxes and Incubators

Designed to bring innovative products to market quickly while ensuring customer protection, Kudelski Security works with regulatory sandboxes and incubators, providing a comprehensive and pre-packaged security offering designed for governments and participants.

### Custom Projects

Integrations into existing IoT, manufacturing, and supply-chain processes are essential to delivering trust at all levels – devices, data and communication – with multi-party coherency. We have experts in each layer of this ecosystem to design, run and sustain innovative solutions.