

Cyber Challenges in Digital Transformation



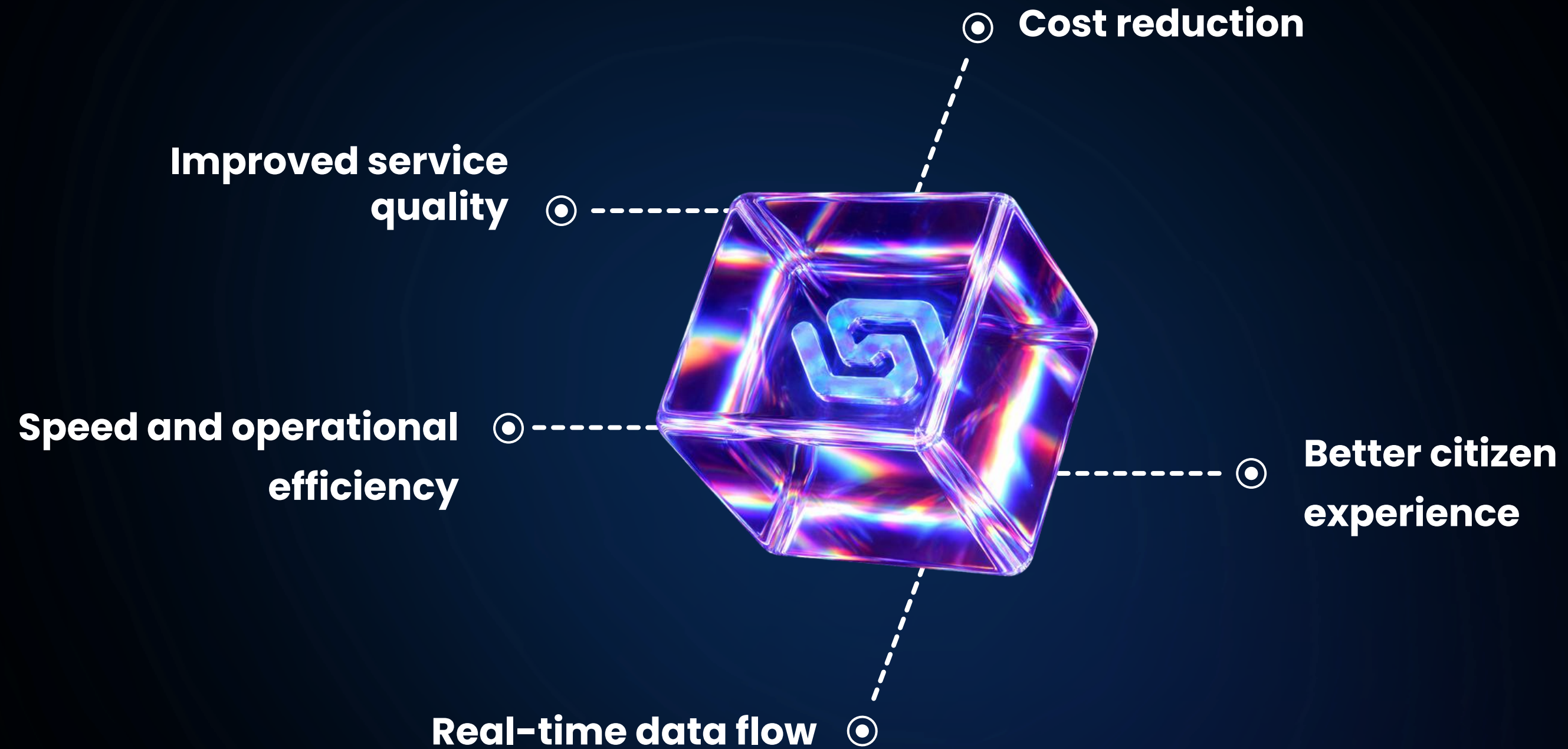
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Why digital transformation matters?



Real-world implementations

Examples from Government + Business:

CRM systems

ERP systems

E-government services

Mobile applications

Payment systems

Digital transformation creates new dependencies



Digital transformation is not just about digitizing systems – it is about connecting them through APIs, cloud, and data-driven architectures.

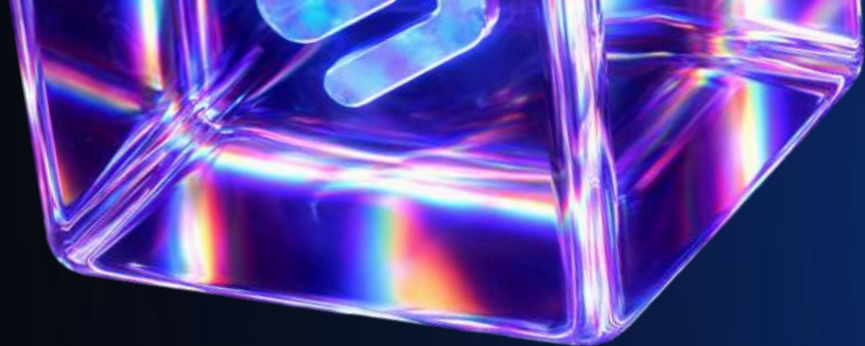
Strategy → Process → Technical

Digital transformation depends on trust

No Trust → No Transformation

Digital transformation is not just about digitizing systems — it is about trusting them.





Integrity risks in digital transformation Integrity challenges

Government

Citizen records

Tax systems

Digital identity

E-notary services

Business

CRM data

ERP records

Financial transactions

Supply chain systems

New integrity challenges in the AI era

AI depends on data integrity

Data poisoning

Model manipulation

Hallucinations

Synthetic content

Deepfakes

Poor data integrity creates unreliable AI outcomes.



Building integrity by design

How do we protect Integrity?

● Governance controls

● Process controls

● Technical controls



Strategic controls

Shared threat intelligence

Information Classification

Joint incident response

**Common Security Standards
& Regulatory Framework**

**Workforce & Awareness
Development**

**Business Continuity &
Disaster Recovery plan**



Process controls

Separation of Duties

Change Management

**Input Validation
at every layer**

Non-repudiation

Secure by Design

Secure SDLC

Technical controls

Cryptographic Hashing

Digital Signatures

Code Signing

**File Integrity Monitoring
(FIM)**

RBAC / Least Privilege

Zero Trust Architecture

API Security

Penetration testing

Every bit of data must be verifiable.



B&B Security – Your Trusted Partner

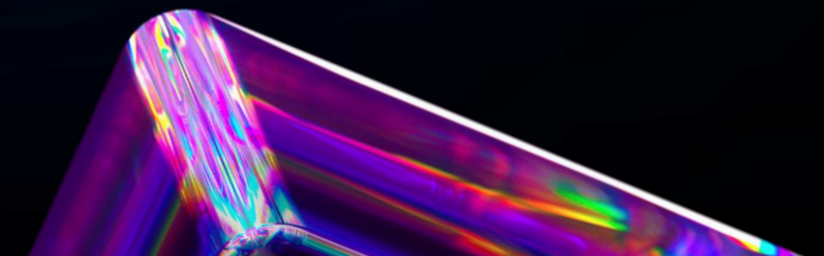
7 Years Experience

**International Experience
& Certificates**

50+ Experts

Services:

1. Security Operation Center (SOC)
2. Cybersecurity solutions implementataion and support
3. Audit and GRC sevices
4. Red team and Penetration testing
5. Security Awareness Training
6. Digital Forensics





Thank you!
Təşəkkürlər!

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