

From quantum risk to **operational** **resilience.**

Assessment, roadmap, migration, and ongoing management to build tomorrow's **Digital Trust** today.

→ Harvest now

→ Decrypt later

→ Compromised algorithms

→ At risk data

→ Quantum ready

→ Crypto-agility

→ Digital trust

→ Continuous protection



STRATEGIC PARTNER
FOR POST-QUANTUM
DIGITAL TRUST

QUANTUM IS **HERE.**

Post-quantum Security & Digital Trust

Together with **eMudhra**, we guide public and private organizations through the transition to post-quantum cryptography and towards quantum-ready Digital Trust infrastructures.



relevant.com

+41 91 2292855

info@relevant.com

HQ: via A. Ramelli 5, 6900 Lugano CH

PLT: via Soldini 10, 6830 Chiasso CH

LUGANO | MILAN | EUROPE



POST-QUANTUM
CRYPTOGRAPHY



PKI & DIGITAL
SIGNATURES



DIGITAL IDENTITY
& TRUST SERVICES



CRYPTO-AGILITY &
RISK MITIGATION

THE QUANTUM THREAT IS ALREADY HERE.

Encrypted data can currently be intercepted and stored for future decryption.

Traditional **cryptographic algorithms** (RSA, ECC) are being deprecated starting in 2030 (NIST source).

What is **risk**?

- Digital certificates and PKI
- Sensitive data requiring long-term retention
- Secure communications (TLS, VPN, email)
- Digital signatures
- Digital identities and machine identities
- Infrastructure, systems, and applications (crypto and services)

THE ANSWER: A STRUCTURED PATH TOWARDS BECOMING **QUANTUM-READY**

1 DISCOVER the exhibition

- Cryptographic inventory
- Certificate and key discovery
- Algorithm mapping
- Application dependencies

2 ASSESS assess the risk

- Quantum risk analysis
- Data longevity
- Prioritization
- Gap analysis

3 DESIGN define the strategy

- Crypto-agility architecture
- Migration roadmap
- PQC and quantum-safe PKI
- Target architecture definition

4 MIGRATE implement

- Adoption of PQC algorithms
- PKI modernization
- Replacement of certificates and digital signatures
- Testing and validation

5 OPERATE protect and evolve

- Certificate lifecycle management
- Continuous monitoring
- Algorithmic updates

CRIPTO AGILITY | DIGITAL TRUST | BUSINESS CONTINUITY

FROM QUANTUM RISK TO OPERATIONAL RESILIENCE.

A single, integrated capability to guide the entire journey toward the post-quantum era.

From risk assessment and migration to business continuity and the long-term protection of data, identities, and critical infrastructure.

A complementary and **specialized** partnership

Relevant

- Quantum risk assessment
- Tailored architecture and migration roadmap
- Integration and implementation of crypto-agile, compliant solutions
- Operational management and ongoing support



- PKI and digital signature solutions
- Certificate lifecycle management
- Digital identities and trust services
- Quantum-ready cryptographic infrastructure

EMUDHRA: DIGITAL TRUST ON AN INTERNATIONAL SCALE

Some of the organizations served by **eMudhra**:



SECURITY, TRUST & REGULATORY: certifications held by eMudhra



Certification Authorities



20000-1:2015
27001:2017
27001:2015
27001:2014



SOC 2
TYPE II
CERTIFIED



Clients who have already adopted eMudhra's solutions

