THE LEAP TO CRYPTOGRAPHIC AGILITY

The Challenge

Cryptographic algorithms embedded in application code have become a systemic liability. Every time a standard changes, organizations face code rewrites, compliance validation, and coordinated deployments — across dozens of applications. Repeatedly. The "Harvest Now Decrypt Later" approach is no longer decades ahead. It is here. Now.

- **Executive Risk**
  Quantum risk is no longer a back-office IT issue; it reaches the Board and C-suite through regulatory and legal liability.
- **Regulatory Pressure**
  U.S. and EU regulations (NSM-10, DORA, CNSA 2.0) now mandate cryptographic resilience and PQC readiness as part of operational risk management.
- **Fragmented Solutions**
  Current market offerings (KMS, HSM, Secrets Management) protect keys but don't govern cryptography. The result: fragmented actions, no unified policy, and algorithm transitions that still take months — not minutes.

ANKASecure© vision

ANKASecure© is a software platform built on the concept of **CAPA (Crypto Agile Posture Architecture),** a framework developed by ANKATech that defines the structured path from embedded cryptography to full cryptographic agility.

CAPA establishes where your organization stands today and where the Control Plane takes you: from hardcoded algorithms locked inside application code, to a **governed**, **policy-driven cryptographic infrastructure** that evolves without rewrites.

Five capabilities. One platform.

Crypto-agility · **Cryptographic sovereignty** · **Frictionless modernization** · **Policy-driven governance** · **Regulatory compliance** — aligned with **14+** international standards.

Our platform introduces a structural separation between applications and cryptographic execution. Algorithms move out of application code and into the Control Plane — where they are governed, rotated, and migrated through policy, not engineering projects.

Companies that deploy ANKASecure© gain the ability to continuously evolve their cryptography: migrating algorithms without rewriting applications, securely decrypting and re-encrypting data at scale with zero exposure, and enforcing a unified cryptographic policy across the entire enterprise.

Embrace the Next Step

Visit our technical documentation:

Start exploring how **ANKASecure©** works and integrates:
www.ankasecure.com

The path to cryptographic agility

Three tracks, one program. Action from day one.

PHASE 01
Discovery & Risk
2–6 weeks

- Map crypto landscape
- Identify critical apps
- HNDL exposure mapping
- Stop the crypto debt

PHASE 02
Governance (CAPA)
4–8 weeks

- Define crypto policies
- Establish algorithm catalog
- Agility framework

PHASE 03
Control Plane
4–12 weeks

- Deploy ANKASecure©
- Integrate KMS / HSM
- Policy enforcement active
- Critical apps onboard

ANKASecure© platform

PHASE 04
PQC Migration
12–36 months

- Migrate by risk priority
- Full PQC Coverage
- Re-encrypt at scale

ANKASecure© platform

PARALLEL TRACKS

GREENFIELD	PQC by default — all new apps under Control Plane from day one		
CRITICAL	Analyzed	Migration planned	Governed
GENERAL	Inventory		Phased migration

ANKASecure© delivers full cryptographic agility as a software platform. Getting there follows a proven four-phase program — from risk discovery to complete PQC coverage.

ANKASecure© Control Plane



Crypto-agility engine

Change algorithms via policy update, no application redeploy required.



Key lifecycle management

Generate, rotate, revoke, and audit cryptographic keys across all your systems.



Policy-driven governance

Cryptographic policies enforced centrally, propagated in under one second.



Audit & traceability

Every cryptographic operation logged, traceable, and compliance-reportable.



125+ algorithms

80+ single-component, 40 hybrid, 21+ families, and 14+ international standards.



PQC-ready architecture

NIST FIPS 203/204/205, ML-KEM, ML-DSA, SLH-DSA and hybrid coexistence.

See ANKASecure© in action. Request a demo and see how enterprise cryptography becomes crypto-agile, governed infrastructure – not embedded code.

ANKA TECH SOLUTIONS

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