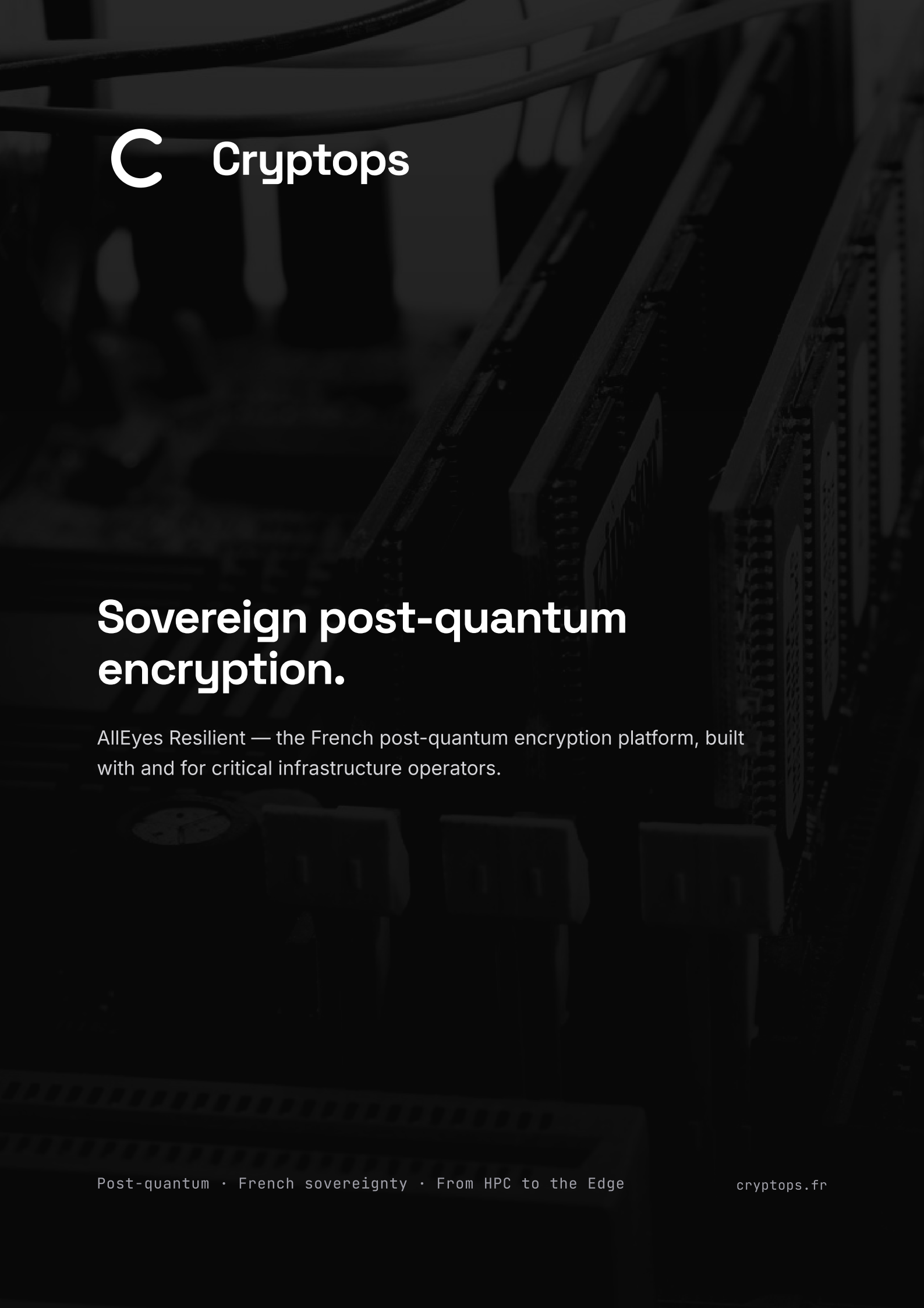


Cryptops

Sovereign post-quantum encryption.

AllEyes Resilient — the French post-quantum encryption platform, built with and for critical infrastructure operators.

Post-quantum · French sovereignty · From HPC to the Edge

cryptops.fr

The quantum challenge, taken seriously.

The challenge

Quantum computers threaten RSA and ECDH on the 2030-2035 horizon. Data intercepted today — “harvest now, decrypt later” — will be decryptable tomorrow. Critical infrastructure must migrate now.

Our approach

A sovereign platform where every link is post-quantum: standard NIST primitives, hardware isolation on AMD FPGA, keys never exposed to the host. Designed and operated in France.

ML-KEM-1024

FIPS 203

ML-DSA-87 ⊕ SLH-DSA

FIPS 204

Our products.

AllEyes Resilient

FPGA ENCRYPTOR · 4U / 2U

Line-rate encryption, CPU-Blind architecture on AMD FPGA. AES keys live inside the silicon, out of the host's reach.

GARANCE PKI

TRUST AUTHORITY · 100% RUST

Sovereign post-quantum PKI. Composite ML-DSA-87 ⊕ SLH-DSA signatures, a controlled key ceremony, a verifiable trust chain.

GLUON

PQC-WAN AGENT · 1U NEBS TO EDGE

FPGA-free post-quantum tunnel. Our in-house IKEv2 stack protects your links, from NEBS to compact Edge.

Sovereign HPC

CONFIDENTIAL COMPUTING · CPU/GPU/FPGA

HPC and AI workloads accelerated, encrypted end to end, orchestrated by REDSHIFT — never exposing your keys or data.

REDSHIFT — sovereign orchestration.

A platform where the entire chain is post-quantum and sovereign: end-to-end security, operated and hosted in France. REDSHIFT orchestrates your HPC and AI workloads without exposing your keys.

- End-to-end post-quantum security
- Sovereign trust PKI
- From the HPC core to the Edge

Our services.

FPGA engineering

Development across the entire AMD portfolio — Versal, Alveo, RFSoC, UltraScale+, Kria. From bring-up to a production image.

Post-quantum integration

ML-KEM-1024, ML-DSA-87 ⊕ SLH-DSA, AES-256-GCM-XPN — anchored on published NIST vectors.

Sovereign security

CPU-Blind architecture, hardening, CSPN / EUCC evaluation readiness.

Cryptography.

Key exchange	ML-KEM-1024 (FIPS 203)
Signature	composite ML-DSA-87 ⊕ SLH-DSA (FIPS 204)
Symmetric encryption	AES-256-GCM-XPN
KEM hybridization	ML-KEM-1024 · FrodoKEM-1344 · P-384 · PSK

Certifications.

CSPN ANSSI	Targeted 2027
EUCC / CC EAL4+	Goal 2029
NIS2 · DORA	Regulatory framework
Sovereignty	Designed and operated in France

> No certification obtained to date. We always distinguish what is committed from what is obtained.

Cryptops

Let’s talk about your post-quantum architecture.

Confidential demonstration. Assessment of your crypto perimeter. Led by an engineer.

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