Symmatrics™

The New Trust Layer for the Post-Quantum Internet

Mathematically Unbreakable · AI-Resistant · Quantum-Secure · One-Time Pad Deployable at Internet Scale

Mathematically Unbreakable
Built on Shannon's 1949 proof of perfect secrecy — security that holds regardless of an adversary's computing power.

AI-Resistant
No mathematical puzzle underlies the encryption, so there is no pattern for AI to learn, model, or predict.

Quantum-Secure
Nothing for a quantum computer to factor — secure by design, not by degree, today and after Q-Day.

More Affordable
Wraps existing infrastructure instead of replacing it. No rip-and-replace, and cheaper than the weaker standards it beats.

WHAT WE SOLVED

Symmatrics has made a **breakthrough** that eluded cryptographers for 75 years: We are the first company to make One-Time Pad Symmetric Key distribution deployable at internet scale — a patented protocol that continuously delivers fresh, single-use true random keys over ordinary networks. A model of Continuously Expiring Trust™: every key is used once, then destroyed, leaving nothing behind to steal or replay.

THE ORIGIN: PROVEN UNBREAKABLE IN 1949

In 1949, Claude Shannon proved that the one-time pad is mathematically unbreakable — the ciphertext reveals nothing about the message, no matter how much computing power an adversary brings. Defense and intelligence agencies trusted it for their most sensitive communications for 50+ years. What kept it out of everyday use was distribution: getting a truly random, one-time-use key to both sides, in secret, every time.

HOW IT WORKS

A small two-server blade hardware component, coupled with QRNGs, comprises the Key Distribution Center, generating and delivering true random keys to authenticated devices and users through a Secure Access Portal — using no trust certificates – leaving nothing to intercept. Because there is no mathematical algorithm underneath, there is nothing for classical computers, quantum computers, or AI to break: Unrefuted for 77 years in the open source as the most secure form of encryption ever invented.

THE PRODUCT SUITE

Integrated Trust Platform
Our product suite unifies to form an easy, fast, more effective and more affordable Integrated Trust Platform, allowing organizations to better identify devices and users, and secure all transmissions, transactions, and communications in the AI and Quantum Eras.

Encryption Protocol (SEP SDK)
Embeds AI-immune and quantum-secure symmetric key delivery into any application — drop-in libraries, no changes to code.

QPN™ — A Truly Quantum Secure VPN
A drop-in replacement for traditional VPNs that removes certificates and key-exchange exposure entirely.

AuthAM — Identity & Access Management (Coming soon)
Eliminates passwords and usernames enterprise-wide (the cause of a significant portion of today's cybercrime), replacing them with biometrically validated single-use symmetric keys.

PATENTS & PEDIGREE: CATEGORY-DEFINING IP

- **Four issued US patents and 25+ pending**, with an independent IP valuation of **$836M-$1,712M** (AiPi Solutions, Sept 2026).

- **Led by veterans of the NSA, DARPA, CIA, White House, and Wall Street** with a prior tech exit of $230M (Matrics/Symbol Tech.).

WHY NOW — The Threat Window Is Already Open

▸ **AI-accelerated attacks.** ▸ **Harvest Now, Decrypt Later underway.** ▸ **Q-Day breaks today's encryption.** ▸ **Migration takes years — start now.** ▸ **Cybercrime is exploding.** Global cybercrime losses sit near $10 trillion a year today and are projected to reach $23 trillion by 2027 — making prevention, not detection, the only viable defense.

Built for Systems That Can't Go Down.

Banking & Finance	Healthcare	Public Sector & Defense	Data Centers & Cloud	AI Infrastructure	Digital Assets & Crypto
Casino & Gaming	Identity & IAM	Email Security	Mobile & Telecom	E-Commerce	Data In Transit

Symmatrics — **Enabling mathematically unbreakable, AI resistant and quantum secure encryption.**
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