FOR IMMEDIATE RELEASE

Qwyit, LLC Files Provisional Patent for Breakthrough

AI-Driven Dynamic Encryption Security Technology

Great Falls, Virginia December 2, 2025

Qwyit, LLC today announced the filing of its latest U.S. Provisional Patent Application titled **"Artificial Intelligence Enabled Dynamic Encryption Security,"** a pioneering advancement that merges artificial intelligence with Qwyit's proven Quantum-Secure Authentic Encryption engine to create the world's first **AI-enabled dynamic security architecture**.

Developed by inventor **R. Paul McGough**, the patent introduces a next-generation cybersecurity model, **Dynamic Security,** designed to counter the rapidly escalating threat of AI-driven cyberattacks. Unlike current systems that merely detect attacks or rely on static cryptographic standards, Qwyit's new approach enables networks, devices, and software to **reconfigure authentication and encryption in real time**, responding instantly and invisibly to malicious activity.

A New Era: AI-Protect vs. AI-Attack

The patent outlines a future in which artificial intelligence is used not only to enhance cyberattacks but also to **own, operate, and autonomously adapt cybersecurity defenses**. With global cybercrime losses exceeding six trillion dollars annually and the emergence of AI-driven intrusions, Qwyit's invention asserts that protection must become as adaptive and dynamic as the attacks themselves.

The application describes how **AI-Protect** dynamically manages the entire digital ecosystem—hardware, firmware, and software using **Qwyit's Provably Secure Authentication & Encryption (PSAE)** engine to instantly:

- Create new secure connections
- Reconfigure devices
- Redirect or isolate compromised processes
- Flash new firmware on-the-fly
- Deploy encryption ubiquitously across networks

The Only Algorithm Built for AI-Driven Threats

According to the patent filing, no currently deployed or NIST-standardized cryptographic system can meet the speed, flexibility, and provable-security requirements needed for true dynamic protection, **except Qwyit's PSAE engine**, originally disclosed in earlier patents and refined into the "QwyitChip," "QwyitSDK," and "QwyitKey" components. This engine enables perfect secrecy, instant key regeneration, and unbreakable encryption across all digital platforms, including future quantum environments.

Dynamic Security: How It Works

The new patent introduces a multi-layered AI-driven security system with three dynamic operational domains:

- **AI-PH (Hardware):** chip-level, FPGA-compatible Qwyit cores that can be turned on/off dynamically
- **AI-PF (Firmware):** on-the-fly firmware rewriting and re-flashing with Qwyit-enhanced code
- **AI-PS (Software):** dynamic insertion of Qwyit libraries into servers, devices, and application stacks

These systems enable **quarantine**, **redirection**, and **full reconfiguration** (illustrated in Figures 6–8 of the application) to neutralize cyberattacks instantly, even while they are underway.

A Call for AI Collaboration

The filing emphasizes that Qwyit's technology is positioned as the "**nuclear deterrent**" to future AI-enabled cybercrime, and Qwyit is now seeking strategic partners to help deploy the platform globally. "The pieces of the constantly changing digital puzzle can't be hindered by outdated security techniques," the application states. "Qwyit is ready to deliver the necessary security, now we need AI partners to help build AIQwyit as the premier Dynamic Security solution."

About Qwyit, LLC

Qwyit, LLC is a Virginia-based cybersecurity innovation company specializing in provably secure encryption and authentication technologies. With a portfolio spanning more than 25 years of patented breakthroughs, including the Fast Unbreakable Cipher, Real-Time Trust protocols, and Universal Unbreakable Encryption engines. Qwyit continues to advance the global state of digital security across hardware, software, financial, communication, and government sectors.

Qwyit LLC is a wholly owned subsidiary of Virginia Beach, VA based HST Global, Inc. For more information, please visit www.HSTGlobal.com.

Forward-Looking Statements

This press release may contain "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Such statements reflect current expectations regarding future events, including anticipated commercial performance, regulatory outcomes, and distribution expansion. Actual results may differ materially due to risks and uncertainties, including regulatory delays, market acceptance, manufacturing capacity, and other factors described in the company's public filings. The company undertakes no obligation to update or revise any forward-looking statements except as required by law.

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