

**Qwyit LLC – True Cryptography Innovation: Introducing QwyitChip™ (H/W FPGA), *The World’s Fastest Encryption Chip*. We will create/build the QwyitLab™ as a demonstration laboratory for superior Qwyit™ security technology proliferation.**

<p><b>PROBLEM</b></p> <p>Nothing is more tragic than the <i>entire digital security industry</i> continually creating, offering and adamantly insisting on using the same constantly failing fundamentals: Why isn't everything secure?</p> <p><b>There's no universal, simple, fits-everywhere security method</b> – Current methods are: too big, too complex, too slow, too insecure</p> <p><b>Networks have become multi-dimensional where End-to-End authentication/encryption is impossible w/current methods</b></p>	<p><b>SOLUTION</b></p> <p><b>Qwyit will introduce QwyitChip™: our superior, universal, world's fastest FPGA Hardware Security Module to the \$15B HSM marketplace.</b></p> <p>Along with the accompanying identical QwyitSDK™ software module, it replaces the need for external, separate, ineffective, costly new H/W. QwyitChip™ performs the entire Qwyit® authentication and encryption protocol over 200 times faster than current tech, in only 500 SLOC: delivering the two H/W industry demands: Speed and Efficiency.</p>
<p><b>MARKET</b></p> <p>According to Market Research, <b>the global Hardware Security Modules Market was valued at USD 581.05 million in 2017 and is projected to reach USD 15.20 billion by 2025</b>, growing at a CAGR of 12.8% from 2018 to 2025.</p> <p>This entire market is based on using current, ineffective security methods that are the cornerstone of the de facto-failed S/W approach of the last 50 digital-era years. Our solution is a new <i>internal</i> HSM.</p>	<p><b>COMPETITION</b></p> <p>The HSM market is comprised of several global and foreign participants, such as Thales, Gemalto, Hewlett Packard Enterprise, Swift, Utimaco, IBM, ATOS SE, Ultra Electronics, Futurex, Yubico.</p> <p><b>While this may seem daunting, none of them are focused on delivering <i>internal</i> HSMs.</b> In this regard, our 'competitors' in the FPGA, CPU/GPU marketplaces are potential partners, since our tech is so small it fits in/on FPGA array products: Altera, Xilinx, Microsemi, Atmel, Achronix, Cypress Semiconductor, Intel Corporation, Texas Instruments, and Lattice.</p>
<p><b>SALES AND MARKETING</b></p> <p><b>We will create/build the QwyitLab™ as a demonstration laboratory for superior Qwyit® security technology proliferation.</b></p> <p>Exactly as the well-known Dolby® Labs was created/succeeded in proliferating their superior component sound technology by creating/introducing it into marketplace areas by building prototype sound products and demonstrating these to marketplace participants, we will do the same with our superior component Qwyit™ cyber-technology by creating/introducing it into data communications/storage marketplaces initially; financial and other marketplaces in future</p>	<p><b>TEAM</b></p> <p><b>Paul McGough - Founder and CTO</b> Telecommunications and security systems expert w/over 35 years experience. Over three decades, Paul's been an inventor, and entrepreneur while holding senior positions with AOL, CSC and SAIC. He has 10+ years of highly classified government secure communication project work. Paul co-founded Qwyit®, is CTO, Chief Scientist, Qwyit® inventor and patent author.</p> <p><b>Michael Fortkort - Co-Founder and COO</b> Chief Operating Officer, Qwyit and General Counsel. Mr. Fortkort is a registered patent and corporate lawyer w/over 25 years startup experience. He's worked with Paul and the Qwyit technology since 1998, co-founding this iteration of Qwyit together. Mr. Fortkort also founded a transportation company (Chariots For Hire), and serves as its Chairman of the Board.</p>
<p><b>CURRENT STATUS</b></p> <p>Complete, multiple independent reviews provide assurance that our methods deliver to their claims and specifications</p> <ul style="list-style-type: none"> <li>➔ <b>QwyitChip™ FPGA architecture, demos, Verilog code available</b></li> <li>➔ <b>QwyitSDK™ available in multiple platforms (C, C++, Java)</b></li> <li>➔ <b>QwyitKey™ prototype-ready with minimal effort (based on existing QwyitTalk™ key delivery prototype)</b></li> <li>➔ <b>12 Patents Granted</b> (11 US, 1 Japan), other patents pending</li> <li>➔ 30+ White Papers (technology, application, marketing, documentation)</li> <li>➔ Reference Software (test vectors, bias testing, primitives)</li> <li>➔ 7 different example (historical) applications</li> </ul>	<p><b>FINANCIAL PLAN</b></p> <p><b>\$750K to Initiate, Staff and Operate QwyitLab™ for 1 Year</b></p> <p>\$450K to fund QwyitLab™ for 1 year (Product prototypes in FPGA chips, initial device IoT) - Hire 3 Cyber-Engineers 1 H/W (QwyitChip™), 1 S/W (QwyitSDK™), 1 Web Programmer (QwyitKey™/QwyitTalk™)</p> <p>\$150K: Sales/Marketing activities/support for 1 Year Develop/create introductions/awareness in Market prospects, bringing them to the QwyitLab™, demonstrating prototype products. Generate/Manage licensing sales cycles</p> <p>\$150K: Executive Management and Lab Build/Outfit Product/prototype design. Lab design, materials &amp; devices budget. General corporate activities</p> <p><i>Revenue</i>: \$0-200K anticipated License Revenue and/or paid prototype development/production, Q4, Y1</p> <p>[Out year anticipated Revenue potential: See Dolby Labs, and Intel chip manufacture ☺]</p>