

News Published: The Arrival of Quantum Computing Pushes Demand for Encryption Product Such as IronCAP X

May 14th, 2019

IronCAP™ Expects to Meet the Urgent Demand for a Quantum Safe Encrypted System as Early as 4Q2019!

TORONTO, May 14th, 2019 /CNW/ - 01 Communique Laboratory Inc. (ONE: TSX-V). The urgent need for a stronger cybersecurity system in the age of quantum computing is being validated by articles published by researchers and innovative pioneers of post-quantum cyber security technology.

With the arrival of quantum computing, not only is the number of calculations that this new computing power can perform unimaginable, but so are the opportunities that come with it. Quantum computers are extremely powerful and as such have a dark side as well, as set out in a Globe and Mail article dated May 6, 2019: "They will also enable much of today's 'unbreakable' encryption to be hacked in mere minutes. The encryption that underpins the security of the world's current cyber infrastructure will likely be undermined by quantum computers relatively soon – arguably in the next 10 years, but perhaps earlier. Even now, those with malevolent intent are able to copy and store encrypted data until a quantum computer is available to decrypt it".

Quantum computer threats do not only matter on a national security level, but to each and every individual as well. That is why 01 Communique has spent the last several years developing its new quantum-safe cryptographic system – the IronCAP Crypto (ICC).

To meet this urgent demand, IronCAP-X, the first product offering of ICC's patent pending encryption technology, will be in customers' hands as early as this September. Once available customers will be able to start using IronCAP to protect their emails and other forms of digital exchange against today's attacks as well as against attacks from quantum computers. "We expect to see significant interest in our IronCAP X quantum-safe email system from governments at all levels and from those businesses with a keen interest to protect their emails from being hacked and then we expect the market will reflect a proper valuation for our core business," said Andrew Cheung, President and CEO of 01 Communique.

About IronCAP: IronCAP X is the Company's first product incorporating its patent pending IronCAP Crypto ("ICC") technology and is believed to be the world's first quantum-safe email system. The system was demonstrated at the Company's shareholder meeting in April and showed how easy it is to send and receive an email that encapsulates 01's encryption and digital signing system, IronCAP X, providing an end-to-end encrypted message that only the recipient can decrypt and read.

About 01 Communique: Established in 1992, 01 Communique Laboratory Inc. (TSX-V: ONE) has always been at the forefront of technology. The Company's legacy business provides its customers with a suite of secure remote access services and products. In early 2018 the Company began transitioning its

business focusing on cybersecurity with the development and implementation of Post-Quantum Cryptography and Post-Quantum Blockchain technologies, which can be implemented on classical computer systems as we know them today while at the same time intended to be secure enough to safeguard against potential Quantum Computer attacks. The Company's legacy products are protected in the U.S.A. by its patents #6,928,479 / #6,938,076 / #8,234,701; in Canada by its patents #2,309,398 / #2,524,039 and in Japan by its patent #4,875,094. For more information, visit the Company's web site at www.01com.com

Forward-looking Statement:

Certain statements in this news release may constitute “forward-looking” statements which involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. When used in this news release, such statements use such words as “may”, “will”, “expect”, “believe”, “plan”, “intend”, “are confident” and other similar terminology. Such statements include statements regarding the timing of the release of IronCAP X later this year, the future of quantum computers and their impact on the Company's product offering, the functionality of the Company's products and the intended product lines for the Company's technology. These statements reflect current expectations regarding future events and operating performance and speak only as of the date of this news release. Forward-looking statements involve significant risks and uncertainties, should not be read as guarantees of future performance or results, and will not necessarily be accurate indications of whether or not such results will be achieved. A number of factors could cause actual results to differ materially from the results discussed in the forward-looking statements, including, but not limited to, the factors discussed under “Risk and Uncertainties” in the company’s Management’s Discussion and Analysis document filed on SEDAR. Although the forward-looking statements contained in this news release are based upon what management of the Company believes are reasonable assumptions, the company cannot assure investors that actual results will be consistent with these forward looking statements. These forward-looking statements are made as of the date of this news release, and the company assumes no obligation to update or revise them to reflect new events or circumstances.

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