

## Executive Summary

by pEp Security SA

### The Company

pEp Security (pEp) was founded in Switzerland in 2015 with the mission to provide the most secure enterprise cyber security software possible. pEp is the first commercial software suite designed and programmed to fully meet the requirements for Zero Trust Architecture as defined by NIST SP 800–207. pEp establishes a peer-to-peer encrypted and sender authenticated communication between endpoints fully automatically. As a first product suite, pEp has implemented a Secure Email Solution for Government and Enterprise customers.

### Solving a Market Problem: Cyber Attack damages

Despite an annual investment of USD 220bn in global cybersecurity (source: Statista), today's IT systems are easily hacked by sophisticated attackers (e.g. Solarwinds, Microsoft, Colonial Pipeline). The global damages from cybercrime amounted to USD 6trn in 2021 alone (source: Cybersecurity Ventures). Experts agree that the problem cannot be solved with current technology (VPN, Firewalls, access systems, etc.) or a small evolution of such, but a new technology paradigm is needed.

### The Solution: pEp

- At pEp Security AG we are developing software to overcome these cyber threats. We are using the world's most relevant software design architecture in this space, called Zero Trust Architecture (ZTA). This architecture has already been adopted by the US government and all leading cyber security experts.
- We have reached a break-through with our pEp software and are the first company in the world coming to the market with a full software suite to protect any IT network against all known cyber attacks, such as Ransomware attacks, Supply chain attacks, Phishing and spoofing, Message manipulation and injection.
- Our software is installed on any endpoint (device, computer, system, in the cloud) and automatically establishes a secured end-to-end communication to any other endpoint and encrypts all data in transit and at rest. At the same time, the pEp Solution avoids any central systems that are potential single points of failure.
- pEp Secure Email is the first commercially available product. It is installed on the endpoints in form of a Microsoft Outlook Plug-in, an Android client and/or IOS client. It can be rolled out gradually within any existing IT infrastructure, seamlessly connecting across any combination of on-premise and cloud, not needing a modification of any existing software application. It is an ideal addition to the Microsoft software suite around Office 365 or others. When installed, pEp Secure Email protects against all known e-mail attack vectors (Man in the middle, E-fail, Mailsploit, Data Theft, Ransomware injection) by establishing a secure peer-to-peer relationship between all pEp email users.

### The Technology:

- pEp has broad and unique Software IP, based on its resolution of open cryptographical problems and its high performance engine (throughput) that is able to run on every endpoint.
- Our software suite is able to run in any operating system environment, does not require any adaptation to the existing and running applications, and can be deployed gradually as needed.
- Our software also employs the world's leading, most well known open source libraries available, and adds all additional components in the latest software languages. The pEp encryption software component called Sequoia is open source and currently being considered for the encryption layer in the globally distributed RedHat Linux environment.

### The Team:

- Volker Birk, Founder and Chief Software Architect, 20+ years in experience in designing software solutions, founder of the Swiss Chaos Computer Club
- Christof Wahl, CEO, 25 years of experience in building and running successful, high growth technology and digital companies
- Michael Jaschke, CTO, 25 years of experience in running and funding software-based companies
- Klaus Hardy Muehleck, Advisor to the Executive team, 30 years in running IT organizations at Mercedes Benz, Volkswagen, German Department of Defense
- Rudi Bohli, Investors, 20+ years of experience in high caliber investments, incl. running his own hedge fund, key shareholder