

## Brief Description

Ultra-secure software to encrypt and protect network traffic peer-to-peer. Ideal for blockchains, where networks need to be unquestionably secure for their use in public exchanges, banking, finance, military, health care, government facilities, cloud/enterprise and critical infrastructure). TLC provides technology that renders network traffic essentially invisible and impenetrable from the public Internet and therefore safe from DoS attacks, protocol exploits, snooping or packet injection.

## Business Summary

More and more businesses are realizing the need for improved secure communications. Blockchain disruption is rising. Bitcoin and other major cryptocurrency networks saw recent outages due to security breaches. The challenge for network security today is not protection against simple hacking, but against highly sophisticated penetrations. SSL alone is not sufficient to protect against network intrusion. An estimated \$12 billion was spent on power grid security in 2015. TLC's unique software can provide military-grade security for ALL major networks without interfering with existing services.

## Competitive Advantage

Faster throughput, easier setup than typical VPN systems. Extremely small footprint for deployment on Smart Meter gateway boards/SOC, including legacy meters. Vendor neutral – can be installed on any brand of Smart Meter. TLC appeals to developers and System Integrators because using IEEE Layer 2 standards allows it to secure different kinds of networks across multiple vendors and hardware uniformly (including LANS that are traditionally unprotected). FIPS certification for implementations that require protection against attacks such as eavesdropping, phishing, man-in-the-middle and session hijacking.

## Investor Advantage

Originally developed in 2007 by Cranite Systems, and used by partners such as Cisco Systems. The IP is proven, therefore not a risk technology. Development and marketing costs of approximately \$40M USD were invested in development of IP acquired by TLC. VC investors included Warburg-Pincus, Selby Venture Partners, JK&B Capital, BV Capital, Pacifica Fund, Industry Ventures, and DiamondHead Ventures, who decided to take their portfolios in different directions. IP and code was sold to TLC. Still intact and completely viable, this represents a late stage value at startup pricing. With minimal development costs, TLC is market-ready.

## Products / Enabling IP

TLC cybersecurity software can be implemented as either a point-to-point or mesh network system. Unlike IPsec or SSL type VPNs that use TCP/IP, TLC encrypts the Data Link (Layer 2) peer-to-peer making TCP/IP content invisible to network hackers, and therefore essentially impenetrable. TLC has the highest level of government certifications and validations including FIPS, AEC, CCM, RNG, HMAC, Triple DES.

## Go-To-Market Strategy

For applications TLC advances enable network to add a TLC security "cloak" and IoT manufacturers to build TLC security into new products as a security module that can be installed even in legacy devices. We will also target Cloud/SaaS providers that need secure VPN; banks also have a strong need for secure inter-bank communications as they redesign their infrastructure to apply blockchain solutions.



## Team

Phil Smith, Founder/CTO  
- Cranite, HP, Cisco, NASA, Lockheed

John Matthesen, CEO  
- Sybase, Commerce One, serial entrepreneur

Larry Karisny, Bus Dev  
Carole Staeck, Int'l Sales  
Chris Rhodes, Engineering

## Advisors

Dr. Taher Elgamal  
- Inventor of SSL, DSS, ECC patents; IdentityMind, RSA, Security, Tumbleweed

John Vigouroux  
- CEO M86, fmr CEO Cranite

Manoj Bhatia  
- fmr GE Dir. Of Strategic Alliances

Bill Melendez, CEO  
- Hemstech

Guru Yeleswarapu  
- Cranite, Broadcom

Ted Wood. Esq, SKGF

Tony Flick, FYRM

## TLC Secure, Inc.

1-877-281-6935  
info@tlcsecure.com  
www.tlcsecure.com