



# Quantum Ledger Technology (QLT)

Next Gen paradigm to combat cyber attacks on crypto assets

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A novel client-server cybersecurity framework deployed using Solid State System on a Chip (3SoC) powered by Zero Vulnerability Computing (ZVC) technology to deliver a Quantum resistant security to Blockchain/DLT infrastructure.

Quantum Ledger Technology LTD, UK

# Overview

**#1**

Blockchain/DLT is projected to be a \$3 trillion industry by 2030.

**#2**

A billion users trade more than 20,000 crypto assets over 380 crypto exchanges & 245 NFT marketplaces

**#3**

A record \$14 billion in crypto was lost in 2021

**#4**

Cryptocurrency theft increased 516% from 2020

Securing Blockchain/DLT infrastructure is a major concern as billions are lost to hackers every year

# Problem

Almost all of the blockchain (BC)/crypto hacks can be attributed to any one of the following threats



#1

## *Client End Vulnerabilities*

Assets lost due to client-end system vulnerabilities

#2

## *Exchange End Vulnerabilities*

Assets lost while using CEX & DEX for crypto transactions

#3

## *Threat from Quantum Computers (QC)*

Risk that QC will break the current PKI ecosystem of BC/DLT

Scams/Hacks prove detrimental to the growth of the blockchain/crypto economy and hence cybersecurity remains the top priority for the industry

# Reasons for Blockchain/DLT Vulnerabilities

*Security breaches in legacy DLT/blockchain systems can be summarized into 2 major categories*

**#1**

## ***Hacks due to 3<sup>rd</sup> Party Permissions***

Inherent vulnerabilities originating from mandatory 3rd party permissions granted by legacy hardware/software to 3<sup>rd</sup> party codes/apps.

**#2**

## ***Q-Day Threats***

Impending threats from future quantum computers that can potentially break the current PKI infrastructure of blockchain.

Unfortunately, the current BC/DLT ecosystem is vulnerable to both and is prone to complete breakdown

# More Problems

To protect the Internet from Quantum threats NIST initiated PQC (Post Quantum Cryptography) standardization process in 2017.



#1

**2017: 82 candidate PQCs**

In 2017 82 candidate PQCs entered the NIST challenge

#2

**2022: Four Finalist PQCs selected**

Two of the four finalists were broken the same year

#3

**2023: All NIST selected PQCs were breached**

All 82 PQC candidates, having failed NIST initiative in serious jeopardy

Six years PQC standardization process having failed Q-Day threat from Quantum Computers looms large

# Solution: Quantum Ledger Technology (QLT)



Zero Vulnerability Computing

- Deploys award-winning Zero Vulnerability Computing (ZVC) cybersecurity framework.
- ZVC bans all the 3<sup>rd</sup> party permissions and is encryption agnostic, thus QC resistant.
- ZVC merges all legacy software layers to build Solid-State Software on a Chip (3SoC).
- 3SoC can be deployed as a client-server network (Intranet) with zero attack surface.
- Segregates the DLT framework from mainstream Internet rendering it inaccessible to legacy devices.
- 3SoC is robust, light, cost & energy efficient & future ready, ideal for securing any DLT



★ SEAL OF ★  
EXCELLENCE

01

**imec**

**TESTED & VALIDATED**  
by [IMEC](#) Labs, Belgium

02



**SUPPORTED**  
by 35+ EU [Partners](#)

03



*future internet*

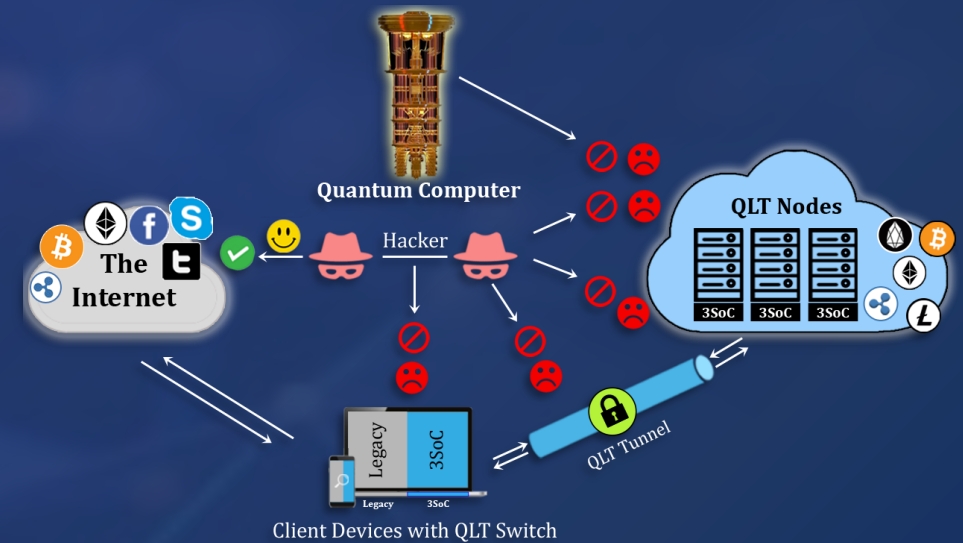
**PUBLISHED**  
in [Future Internet](#)

# Traction: Where we are now?

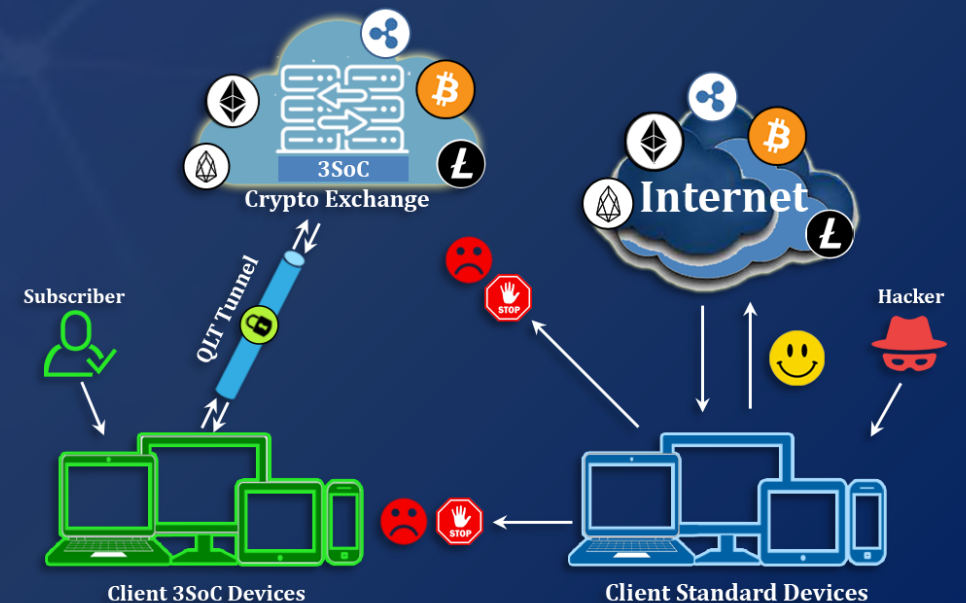


# QLT Architecture

- Segregates DLT infrastructure from legacy internet forming an intranet (**Fig.1**).
- Can be used for securing Crypto Exchange infrastructure (**Fig.2**)
- Users are provided with a switchable 3SoC drive (**Fig.1**)
- End-user device connects to the DLT/ Exchange node installed on the 3SoC server, creating a secure 3SoC tunnel (**Fig. 1& 2**)
- 3SoC server designed to exclusively accept authentication requests from a 3SoC client device.
- All other requests from unauthorized peers or hackers with legacy computing devices are declined.
- Users can switch over the client device from the legacy Internet mode to the QLT Intranet mode



**Fig.1** QLT Framework for BC Node



**Fig.2** QLT Framework for Crypto Exchange

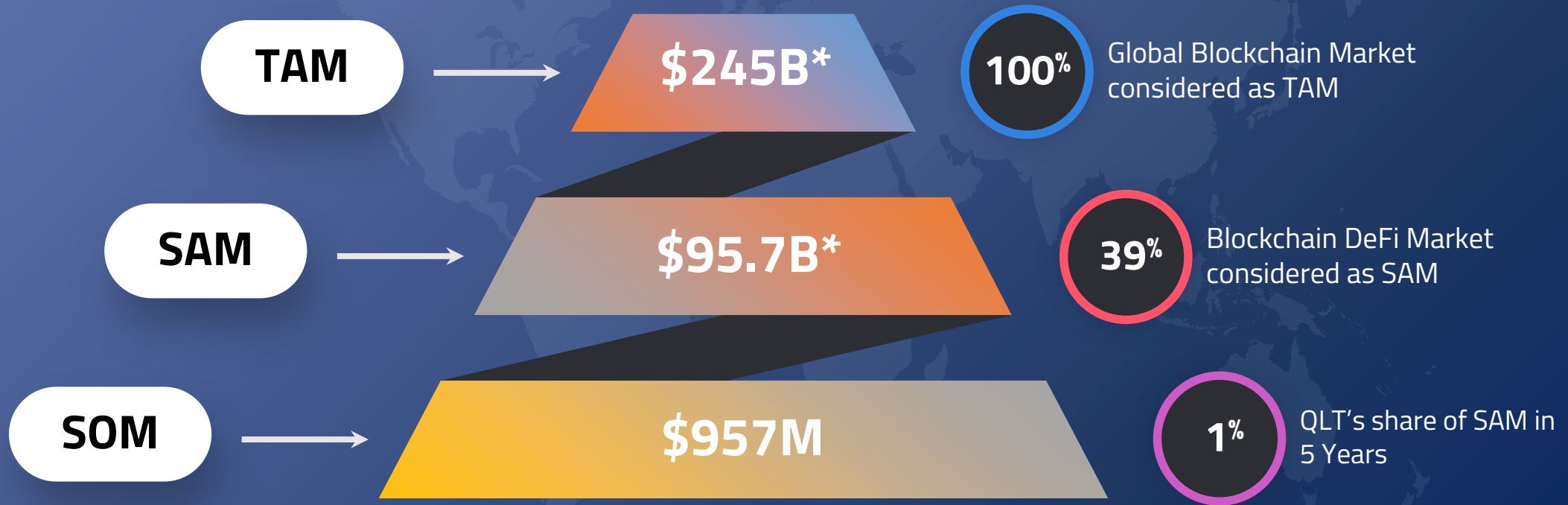


# Market Size

## (Blockchain Tech Market)

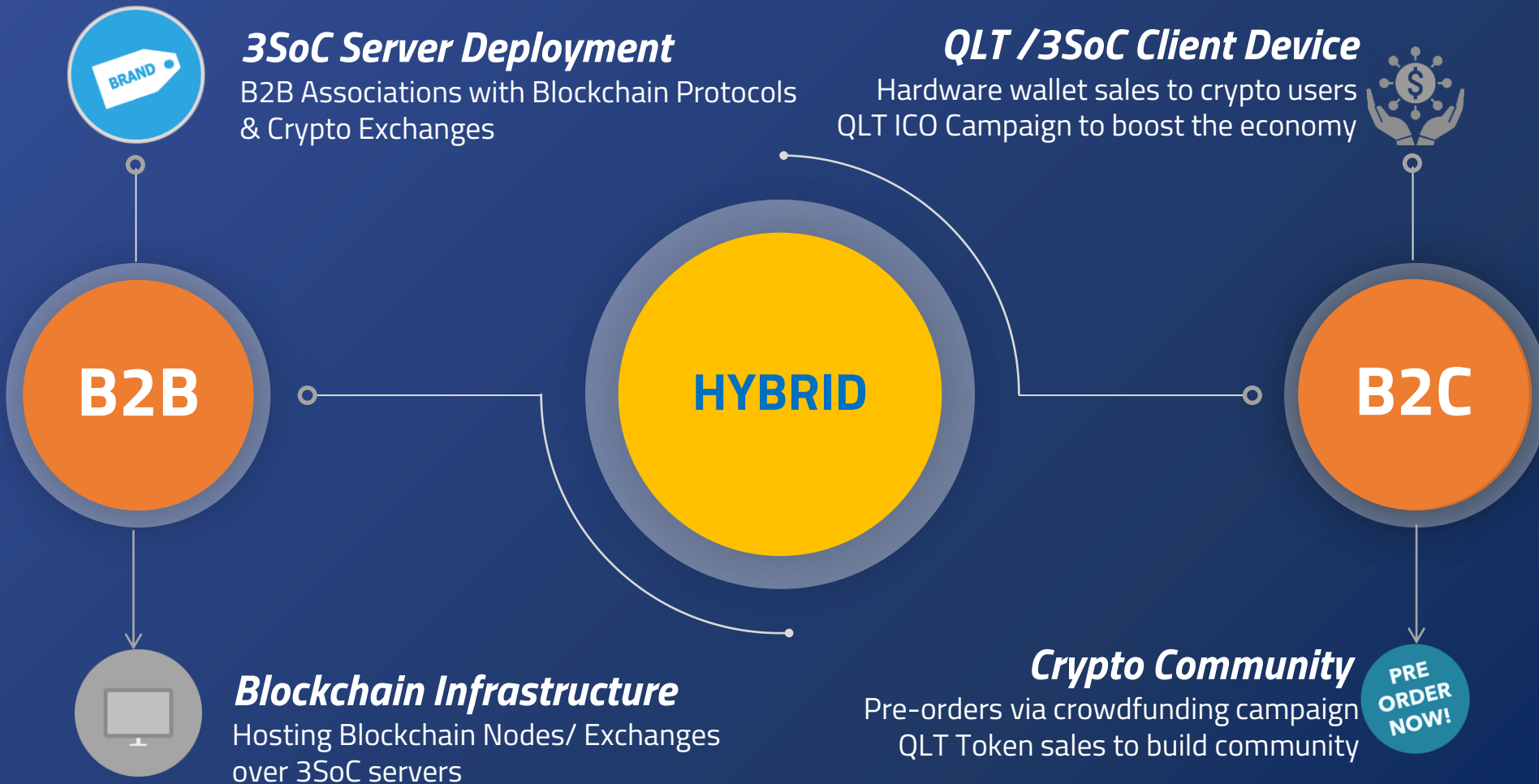
**\$267M** net present value (NPV)

based on a conservative 1% penetration of serviceable available market (SAM) in 5 years



\*Base year 2027 based on PrecedenceResearch.com report

# Business Model



# Business Strategy



## 01 Market Entry

Crowdfunding campaign on Kickstarters to gather support from early adopters

## 02 Customer Acquisition

QLT ICO campaign to build DeFi community

## 03 Growth Strategy

Direct B2C sales to the DeFi community members & B2B associations with DeFi companies & crypto exchanges

# Competitive Edge

#1

## ***Encryption-Agnostic Cybersecurity Solution***

All the potential PQC solutions claiming Q-Day security have so far failed. Even if any succeeds PQC is resource-intensive and very expensive

#2

## ***QLT is Blockchain/DLT Agnostic***

QLT can be deployed to secure any BC/DLT network or any NFT or crypto exchange infrastructure

#3

## ***Holistic Solution for all cybersecurity breaches***

QLT protects the blockchain infrastructure/ exchanges against impending threat from Quantum Computers as well as against conventional vulnerabilities.

#4

## ***Pricing & Value for Money: Lowest Price, Highest Value***

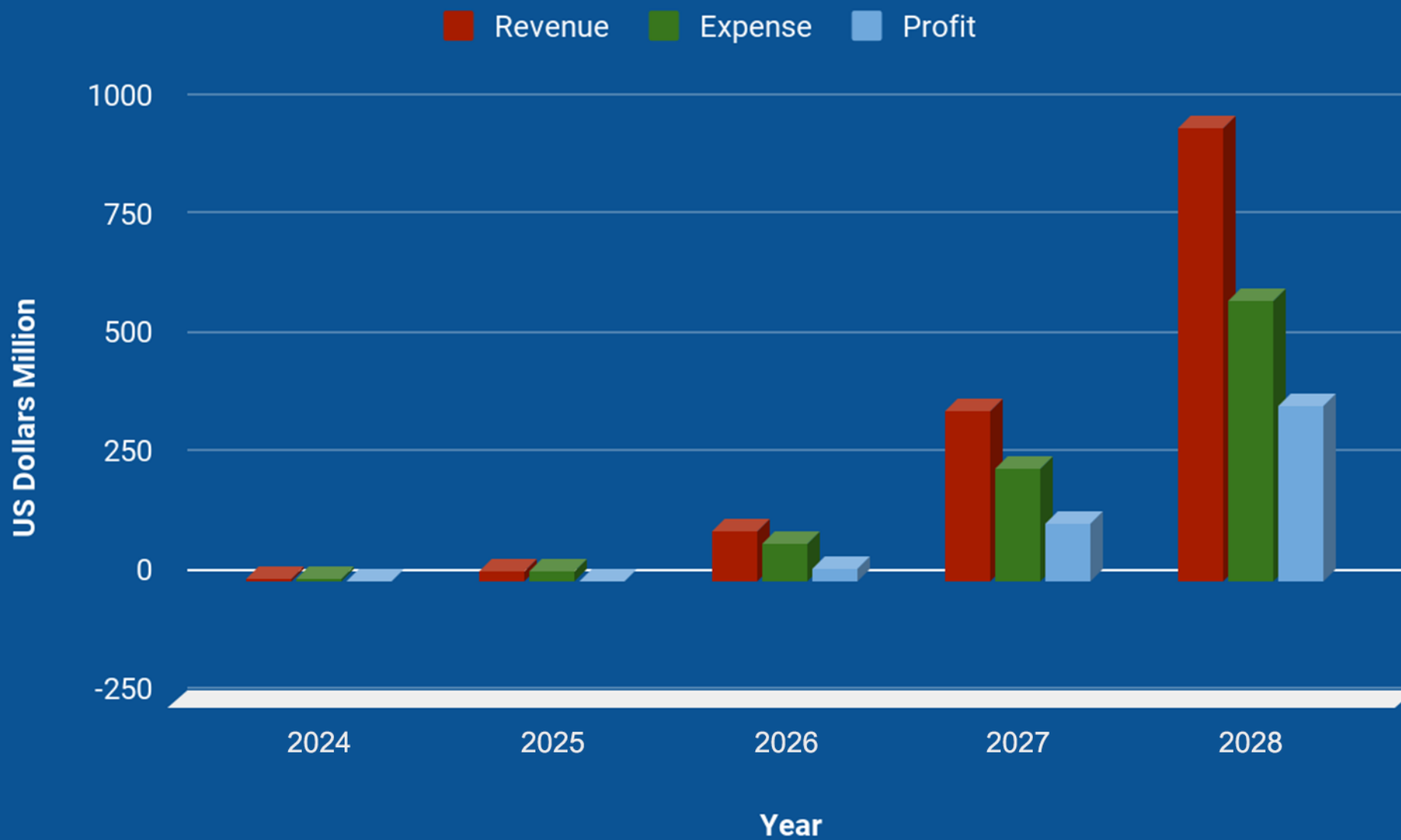
Easy deployment with minimal changes in current infrastructure and no extravagant costings of deploying costly PQC methods, delivers great value for money

#5

## ***IP Protected With Six Pending Patents & Seventh in Preparation***

Freedom to Operate (FTO) Report available on request

# 5-Year Projections



# Team:

132+ years of combined experience

DAVID BELL

CEO



Corporate strategist, crypto investor, expert in building and managing crypto networks, adroit in offering executive oversight

FAZAL RAHEMAN

Inventor, ZVC



Research scientist, innovator, philanthropist, visionary and serial inventor with over 34 global patents.

MICHAEL SCHUETTE

CTO



Research Scientist, Expert in NAND Flash Memory and Solid State drive technology with over 53 Patents in the same field

ASAD KHAN

Head, Business Dev



Dynamic and result driven professional with over 15 years of experience in sales, marketing and relationship management in B2C, B2B for corporate & government

DANIELLE BELL

Head, Social Media



Expert in analyzing engagement data, creating content, identifying trends in interactions, planning and executing digital campaigns for online communities

TEJAS BHAGAT

Head, Project



Cofounder, EU Grant writer, blockchain enthusiast, architect of deep tech ecosystems, program lead for lab-to-market value creation

ANGEL ORRANTIA

CFO, General Counsel



Decades of experience dedicated to helping companies optimize their operations, overcome legal challenges, raise capital, and exit.

CASI BORG

Virtual Spokesperson



A virtual humanoid powered by Collective Artificial Super Intelligence (CASI) & designed to utilize AI in the most safe, secure and ethical manner.

# Fundraising

We are seeking \$2M against 10% equity in QLT LTD with a 20% Discount

20%

## Operations

- ✓ Hire additional talent to support product commercialization
- ✓ Develop Standard Operating Procedures (SOPs)
- ✓ Implements SOPs

50%

## Development

- ✓ Crowdfunding campaign
- ✓ Product Development
- ✓ ICO campaign
- ✓ Small Scale Manufacturing

30%

## Marketing

- ✓ Aggressive social media campaign
- ✓ Hire social media influencers
- ✓ Organize AMAs, media interviews & ads
- ✓ Sponsor events