Open CryptoTrust

Blockchain For Modern Telecommunications

www.OpenCT.io

Executive Summary
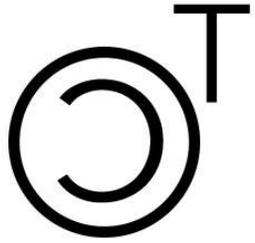
1. History
2. Principles
3. People
4. Crowd Sale
5. Planning

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OpenCryptoTrust (OpenCT) is a robust, high performance, hybrid blockchain platform that enables innovative solutions across multiple industry verticals.

The OpenCT platform is flexible enough to support any industry and rigid enough to create the attributes and rule set needed for industry specific transactions. This will include programing to trigger transactions - such as self executing smart contracts - all tailored to the security, regulatory, legal, and executable standards of an industry.

The industry we are going to focus on is the Telecommunications (Telco) Industry. OpenCT has spent years developing two applications – **Blockchain as a Transport** (BaaT) and **Blockchain-Defined Wide Area Networks** (BD-WAN) that each address significant Telco service problems.

There is an upcoming Token Sale for Open CryptoTrust. This document provides a comprehensive overview of OpenCT, it's principles, vision, technology, people, and planning scenarios.

Explainer videos for BaaT, BD-WAN, Miners and the ETH Wallet: http://bit.ly/OpenCT-videos

# The History of OpenCT Blockchain "Killer Apps"

noun: **killer application**
a feature, function, or application of a new technology or product which is presented as virtually indispensable or much superior to rival products.

Through a New York based consultancy (**Seshaat, Inc.**) our business and engineering team drives the practical adoption of cutting edge IT for our clients and partners which include global investment firms, healthcare, international airlines, and multinational manufacturing firms.

The origins of the OpenCT platform (**BaaT** and **BD-WAN** "killer apps") began five years ago (2013) as a POC (Proof of Concept) that was developed for one of the largest global investment firms on Wall Street. At the time the goal was to create an optical SDN (Software Defined Network) solution that would support the ability to build up and tear down circuits with provisioning times that were minutes instead of months. Our Optical Architects and Software Development team built this complex, multi-vendor, private solution.

Two years later our consulting team was engaged in another POC for a financial firm and for the first time the concept of leveraging Blockchain technology as a management overlay for VXLAN was successfully implemented.

In late 2016 the "Blockchain Initiative" project was born with the belief that by understanding the specific needs of an industry we could pre-build the necessary framework to ensure the greatest efficiencies and thus ease the barrier to adoption. Our deep understanding of the technical and financial challenges within the telecommunications (telco) industry made this the logical vertical to develop the first of many disruptive "killer apps" that drive adoption to a trusted framework - The **Open CryptoTrust** blockchain.
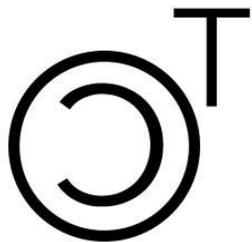
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2.1 Execute Our Vision

To build an industry agnostic, scalable, high performance platform that provides the stability and trust from which transformative blockchain based applications can be built that disruptively solve industry specific problems and thus accelerate Business to Business (B2B) adoption of Blockchain.

2.2 To Revolutionize the Telco Industry

Thru the BD-WAN product, Open CryptoTrust has achieved a solution which Telco industry analysts have described as "the Holy Grail application/service for carrier services" - Real Time Bandwidth Usage Billing – against TransAtlantic/TransPacific circuits that leverage SDN (Software Defined Networking) in order to establish and tear down logical as well as physical channels. This will allow the customers to pay only for what they consume as well as reducing their international connectivity costs to the minimum especially the high costs incurred due to the very expensive 'trans-oceanic' links, while allowing customers to scale up or "burst" connectivity during times of peak demand.

2.3 To Be the Primary Telecommunications Provider in the Blockchain Ecosystem

Cheaper, faster, better, with less equipment or in some cases no equipment! Open CryptoTrust provides an effective solution to those who have challenges with costly connectivity and gives an option to secure peer-to-peer transactions without the use of any 3rd party or financial institutions.

2.4 Killer Apps Will Drive Blockchain Adoption

Blockchain technology is a foundational technology - it has the potential to create new foundations for our economic and social systems. This will take time to evolve. OpenCT Killer Apps are disruptive - leveraging technology to attack traditional business models with a lower-cost solution and ability to overtake incumbent firms quickly. The fact that the applications are in themselves "blockchain based" is incidental to the competitive drive towards adoption. The problems that they solve ultimately play an integral part in how Blockchain's broad acceptance will come about.

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2.5 Proof of Stake Alone - Is Undemocratic

Proof of Work (PoW) - as implemented in Bitcoin for example - requires great energy and power consumption. It simply is not scalable. OpenCT has chosen to adopt Proof of Stake (PoS). Using native Proof of Stake (PoS), however, can create an unfair aspect to mining. To overcome this OpenCT has invented the Proof of Duration (PoD) algorithm which when used in conjunction with PoS provides a more balanced and democratic approach to mining. With this algorithm, the user is offered a mining opportunity proportional to the duration the token share has been held.

2.6 Ethereum is Copper, Graphene is Fiberoptic*

Our OpenCT platform has been highly inspired by Graphene – a blockchain network created by the same development team that created the Bitshares and Steemit platforms. It combines many of the features that were critical for us. OpenCT platform supports a block production rate that is exceptionally fast – **100,000 TPS** (Transactions Per Second). For comparison:

- Bitcoin - 3-7 Transactions per second (TPS)
- Ethereum - 15 TPS
- Visa Credit Card Network - 60,000 TPS

* https://steemit.com/peerplays/@peerplays/ethereum-is-copper-graphene-is-fiberoptic-peerplays-bitshares-and-steem
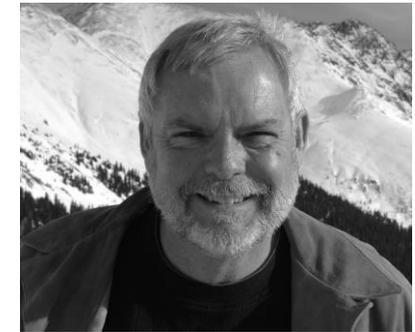
People and Organizations Behind OpenCT

3.1 Seshaat, Inc.

Open Crypto Trust (**OpenCT**) and the initial Telco products – Blockchain as a Transport (**BaaT**) & Blockchain Defined-Wide Area Networking (**BD-WAN**) has been developed by Seshaat, Inc. – a New York based ETO (Emerging Technology Organization), that offers deep technology knowledge, relationships, and expertise - across a wide array of industry verticals - Financial, Telco, Real Estate, Healthcare, Energy, and Legal.

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Mayande Walker
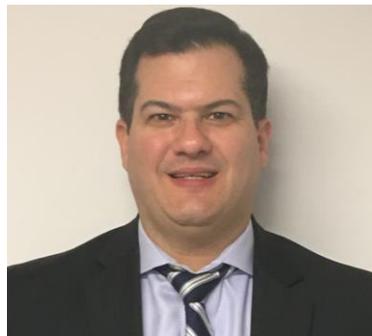**Chief Executive Officer**

Jeff Doyle
Chief Technical Officer

Moustafa Amin
Director Business Development

Paul Valenzuela
Chief Strategy Officer

John Martinez
Director DevTools Team

Stuart G. Hall
Chief Marketing Officer

Eric Cavalier
International Director

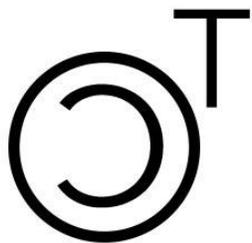**Carolyn Biryla**
BizDev Manager

OpenCT Token Crowd Sale

4.1 OCT Token Overview

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Open Crypto Trust – **OpenCT AG** (Aktiengesellschaft) will be a Switzerland-based public limited company registered in the Canton of Zug (Crypto Valley - the world's leading blockchain and cryptographic technologies ecosystem).

NOTE: Intellectual Property Transfer
Upon completion of the Token Crowd Sale all IP associated with OpenCT, BaaT, BD-WAN – will be transferred (without remuneration) from Seshaat, Inc. to OpenCT, AG.

On **August 2, 2018** OpenCT will oversee a Crowd Sale of it's OCT Token (Token Pre-Crowd Sale begins on **January 15, 2018**).

The OCT tokens will be launched as ERC-20 tokens over the Ethereum platform via automated smart contracts. Smart contracts are viewable (via Github) and auditable (pre-audited via QuantStamp) for both the Pre-Crowd Sale and for the Crowd Sale.

NOTE: Funding Returned to Participants if MIN CAP not reached
As coded within the smart contract - If the MIN CAP of $15 Million U.S. dollars is not sold then all funding will be returned to participants. This is coded within the OpenCT smart contract.

All Pre-Crowd Sale participants, and Crowd Sale participants will be able to acquire OCT via various payment methods. Crypto payment methods will include Ethereum (ETH), Bitcoin (BTC) and other cryptocurrencies.

Traditional FIAT payment methods will include debit/credit cards, PayPal, and wire transfer. All non-Ethereum based cryptocurrencies and/or FIAT based investments will be converted at the prevailing rate on a best effort basis.

OpenCT Token Crowd Sale

4.5 The OCT Token Sale Data Sheet

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Available Tokens **100,000,000**	**% from Maximum Supply** **40%**
Crowdsale Price Linear Function: $P(t) = 0.9375 + \frac{0.375}{100,000,000} * t$	**ERC-20 TOKEN** **Yes**
First Token Price **\$0.9375 in ETH**	**Last Token Price** **\$1.3125 in ETH**
TOKEN DISTRIBUTION **After Crowdsale**	**Discounts** **None, it's a linear function**
MINIMUM PURCHASE **N/A**	**MAXIMUM PURCHASE** **N/A**

OpenCT Token Crowd Sale

4.2 OCT Token Allocation:

Pre Token Crowdsale
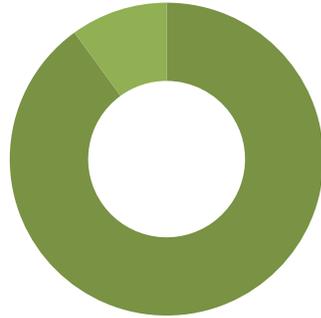
10% of the maximum token supply will be available for sale during the pre token crowd sale period for a fixed price of $0.75/token but with discounts available for Mega Deals.

Token Crowdsale
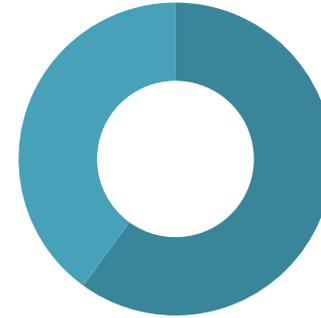
40% of the maximum token supply will be available for sale during the token crowd sale period. The price per token will be determined according to a linear equation so no discounts are available.

Reserve
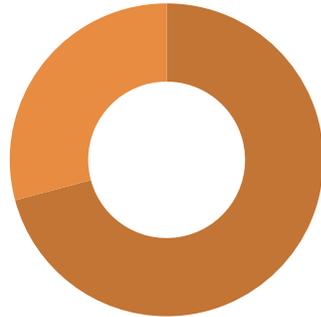
35% of the maximum token supply will reserved for many reasons; Team, Company and Bounty. The Reserved amounts will be locked and vested in the smart contract.

Miner Reward
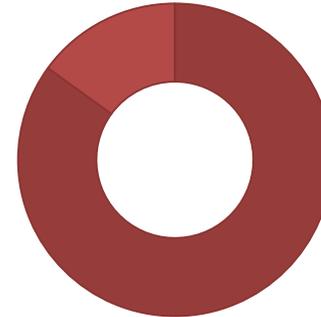
15% of the maximum token supply will be allocated to reward the mining efforts over a 5-year period according to Bernoulli compound interest formula.

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OpenCT Token Crowd Sale

4.3 OCT Pre Token Crowd Sale Details

➢ 10% of the total maximum supply-- 25,000,000 (25M) OCTb Tokens-- will be available for purchase directly or via any private deal.

➢ The OCTb Token will be available at the price of US$0.75 (its equivalent in ETH).

➢ The minimum cap will be equivalent to the sale of 10M OCTb Tokens.

➢ For private deals that constitute more than 15% of the Pre-Token Crowdsale Token share (more than 3,750,000 OCTb Tokens), special bonuses will apply but the Tokens will be held in the smart contract for periods that depend on the investment for the sole reason of protecting public investors' investments.

➢ For any private deal that constitutes between 15%-20% of the Pre-Token Crowdsale Token share, the Token price will get a 20% discount (US$0.6 equivalent in ETH), but the sold Tokens for that private deal will be locked in a smart contract and will be released by 50% every 12months over a 2-year period.

➢ For any private deal that constitutes more than 20% of the Pre-Token Crowd sale Token share, the Token price will get a 25% discount (US$ 0.5625 equivalent in ETH) but the sold Tokens will be locked in a smart contract and will be released by 50% every 18months over a 3-year period.

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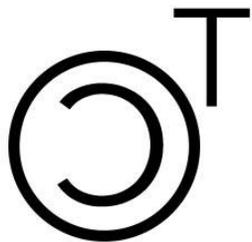
OpenCT Token Crowd Sale

4.4 The OCT Token Sale General Details

➢ The Ethereum blockchain will be leveraged for the creation of the OCT Token and will be the platform of choice for all the token sale activities.

➢ Initially the OCT Tokens will be launched as ERC-20 Tokens over the Ethereum platform via proper smart contracts: a smart contract for the Pre-Token Crowdsale and another one for the Token Crowd Sale.

➢ The Token designation is 'OCTb' or OCT before-platform.

➢ Finite maximum number of OCTb Tokens of 250,000,000 (250M) Tokens.

➢ Pre-Token Crowd sale and Token Crowdsale activities will be separated by a one week period.

➢ Pre-Token Crowd sale and Token Crowdsale combined represent 50% of the maximum supply of Tokens.

➢ The available crypto payment methods will be ETH and BTC, and possibly others.

➢ The traditional FIAT payment methods will be debit/credit cards, PayPal, and wire transfer.

➢ The OCTb Tokens will be swapped to OCT Tokens after the development of the OpenCT platform in a 1:1 ratio.

➢ The smart contracts are tied to multi-signature wallets requiring the signatures of three (3) OpenCT board executives for any transfer or cash out operations.

➢ Tokens purchased during the Token Sale will be distributed to the investors in 1-2 week periods after the conclusion of the Token Sale.

➢ Unsold Tokens during the Token Sale will be burned out to protect the integrity of the whole project.
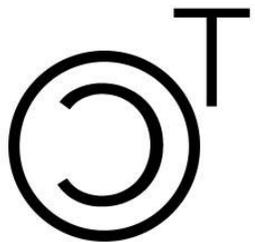
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Planning Scenarios

Current Status

All OpenCT current costs and expenses are bootstrapped via Seshaat, Inc. with an annual run rate of approximately $1.7M. A client base for the telco blockchain solutions (BaaT & BD-WAN) has been established from within the Financial and Telecommunication industries (Signed Letters of Intent are in place). While Demo Equipment has been developed for demonstration and proof-of-concept scenarios - our products and platform are very much "pre-revenue".

Completion of Token Sale

Upon establishment of our OpenCT decentralized network (3rd Quarter 2018) we would be ready to deliver our first blockchain telco solutions by the end of 2018. As noted earlier - upon the completion of the Token Sale all intellectual property that has been developed under the Seshaat banner will be transferred (without remuneration) from Seshaat, Inc. to OpenCT, AG. All Executives identified within this presentation will also be transitioned to OpenCT.

The following scenarios give an overview of the planning activities as a result of the Token Sale's success. Each scenario is forecasted with a 3 year run rate to profitability (further details provided in the spreadsheet of the next slide):

Scenario 1: $10M+

Fully develop and bring to market Telco based Blockchain applications. Launch White Box client prem solution to support BaaT and BD-WAN services.

Scenario 2: $20M+

Expand Global footprint with capability of provisioning enterprise bandwidth and cloud services.

Scenario 3: $40M+

Establish OCT Token as an Inter Telco currency to streamline and realize cost efficiencies for transactions between carriers.

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Moonshot: $65M+

"Rinse and Repeat" with 7 industry specific "disruptive" applications that drive millions of transactions to OpenCT platform and establishes the OCT Token as a B2B currency.

Although we focus on applications for the telco industry, the long-range intent for OpenCT is to create blockchain-based solutions for multiple industries. What we are building and the strategic approach we are taking to maintaining and supporting the OpenCT platform simply does not exist today. Unlike Chain.com and Digital Asset Holding, we are focused on more than blockchain applications for the financial industry. From the beginning we are building a ubiquitous, scalable, and open platform that can support seven targeted verticals:

1. Telco
2. Finance
3. Healthcare
4. Energy
5. Supply Chain
6. Real Estate
7. Intellectual Property

Mars-Shot: $95M+

Complete Moonshot objectives and develop a Blockchain Holding Company with fully funded and executable R&D and M&A divisions.

Build a holding company for strategic acquisitions of:

- Blockchain patents and technologies
- Blockchain investment portfolio (including Bitcoin and other crypto currencies)
- Blockchain companies who have successfully begun to build industry specific networks and solutions.

Open CryptoTrust Planning Scenarios

Note 1: All amounts in $1,000.

Note 2: Each scenario forcasted with a 3 year run rate to profitability.

	CURRENT	$10,000+	$20,000+	$40,000+	MOONSHOT $65,000+	MARS-SHOT $95,000+
Infrastructure/HW/SW	POC & Demo HW/SW in labs across 3 geographically dispersed locations - EMEA; APAC; MENA.	Fully develop and bring to market Telco based Blockchain applications. Launch White Box client prem solution to support BaaT and BD-WAN services.	Expand Global footprint with capability of provisioning enterprise bandwidth and cloud services.	Establish OCT Token as an Inter Telco currency to streamline and realize cost efficiencies for transactions between carriers.	"Rinse and Repeat" with 7 industry specific "disruptive" applications that drive millions of transactions to OpenCT platform and establishes the OCT Token as a B2B currency.	Complete Moonshot and develop Blockchain Holding Company with fully funded and executable R&D and M&A divisions.
Colo Space/Circuits	Not needed for pre-production	Build Production POPs in NYC, Tokyo, London	Expand Prod POPs within AMERICAS; EMEA; APAC; MENA	Continue expansion of Global POP footprint including Africa and Latin America.		
Yearly rate	$250	$1,800	$3,600	$5,600		
Engineering	Resources leveraged from project sponsor - Seshaat, Inc.	Dedicated Core Engineering team.	Core Engineering, Monitoring/Operations, Service Desk	Core Engineering, Monitoring/Operations, Service Desk	Although we focus on applications for the telco industry, the long-range intent for OpenCT is to create blockchain-based solutions for multiple industries. What we are building and the strategic approach we are taking to maintaining and supporting the OpenCT platform simply does not exist today. Unlike Chain.com and Digital Asset Holding, we are focused on more than blockchain applications for the financial industry. From the beginning we are building a ubiquitous, scalable, and open platform that supports seven targeted verticals: 1. Telco 2. Finance 3. Healthcare 4. Energy 5. Supply Chain 6. Real Estate 7. Intellectual Property	Build a holding company for strategic acquisitions of: - Blockchain patents and technologies - Blockchain investment portfolio (including Bitcoin and other crypto currencies) - Blockchain companies who have successfully begun to build industry specific networks and solutions. There will be three (3) acquisition portfolios: CS - Current Synergistic - FS - Future Synergistic - NS - Non Synergistic -
Headcount	4	4	12	24		
Yearly rate	$700	$700	$1,700	$3,400		
Business Development	Resources leveraged from project sponsor - Seshaat, Inc.	Dedicated Business Development team.	Business Development & 5 POD Global Sales Team	Business Development & 10 POD Global Sales Team		
Headcount	4	4	19	34		
Yearly rate	$600	$600	$1,100	$5,600		
Communications & Marketing	Working with marketing consulting firm.	Continue working with our marketing consulting firm.	Develop In-house Marketing Team	Develop In-house Marketing Team		
Yearly rate	$120	$120	$1,000	$2,000		Current Synergistic - Target acquisition falls entirely in line with OpenCT core business verticals. Future Synergistic - Strategically we decide to keep existing Executive Management in place as the long term integration into OpenCT may take some time. Non Synergistic - Target acquisition is not in an industry associated with current or future OpenCT core divisions.
Legal Services	Working with legal consulting firm.	Coninue with our legal counsel while exploring legal structures within the Swiss Cryptovalley.	Coninue with our legal counsel while exploring legal structures within the Swiss Cryptovalley.	Coninue with our legal counsel while exploring legal structures within the Swiss Cryptovalley.		
Yearly rate	$100	$200	$500	$500		
Education	Project Team members are hired to provide training both within Telecommunications and Blockchain space. Time is allocated for continuing education.	Produce a series of online videos and tutorials to support an OpenCT Community of experts.	Offer student grants for conducting projects relating to the OpenCT ecosystem.	Offer student grants for conducting projects relating to the OpenCT ecosystem.		
Yearly rate	$0	$75	$300	$600		
Annual Rate	**$1,770**	**$3,495**	**$8,200**	**$17,700**		

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