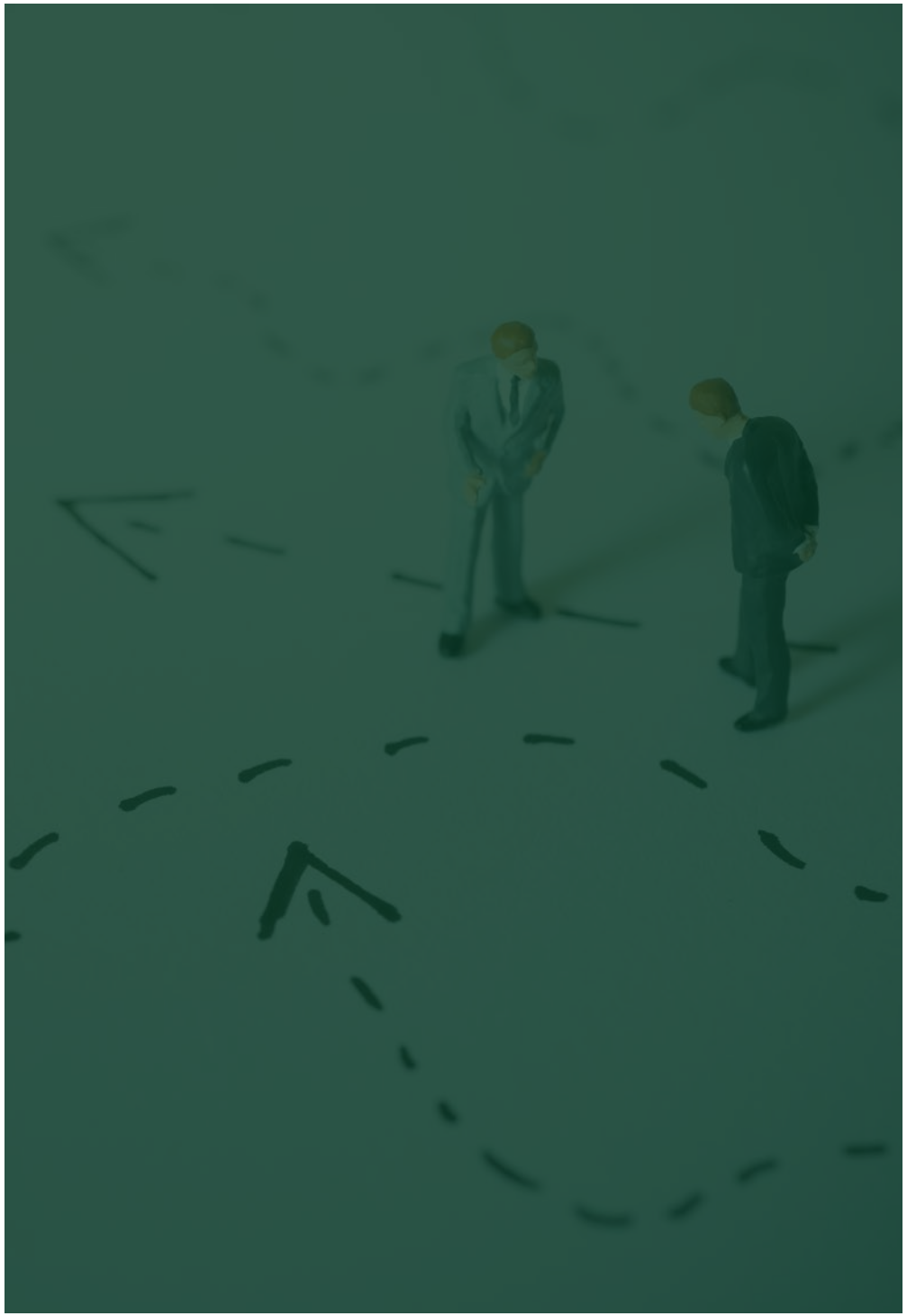
YGGDRASH



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FAST GROWING BLOCKCHAIN MARKET (BUT...)

86,034

Blockchain Project on GitHub

20%

Market is growing at 20% compound annual growth rate

1.22Y

Average Life Span for Blockchain Projects

Too many projects exist in the market and most of them have their own tokens.
The necessity to have separate tokens for each service drives away the actual user base.

YGGDRASH is the SOLUTION.

Source: Deloitte Analysis of GH Torrent Data and GitHub API Data, as of October 12, 2017

YGGDRASH
The Next Generation Multi-Dimensional Blockchain Platform

YGGDRASH BY ALL
YGGDRASH FOR ALL

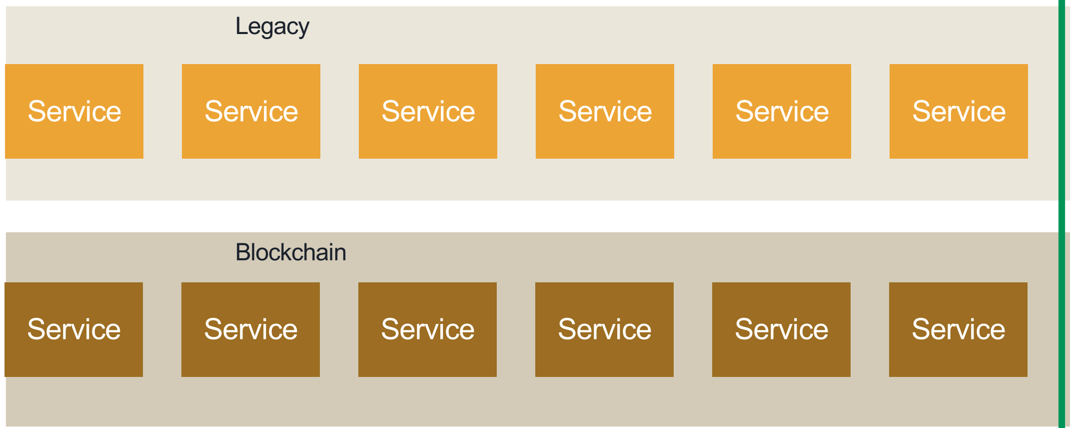
What is YGGDRASH

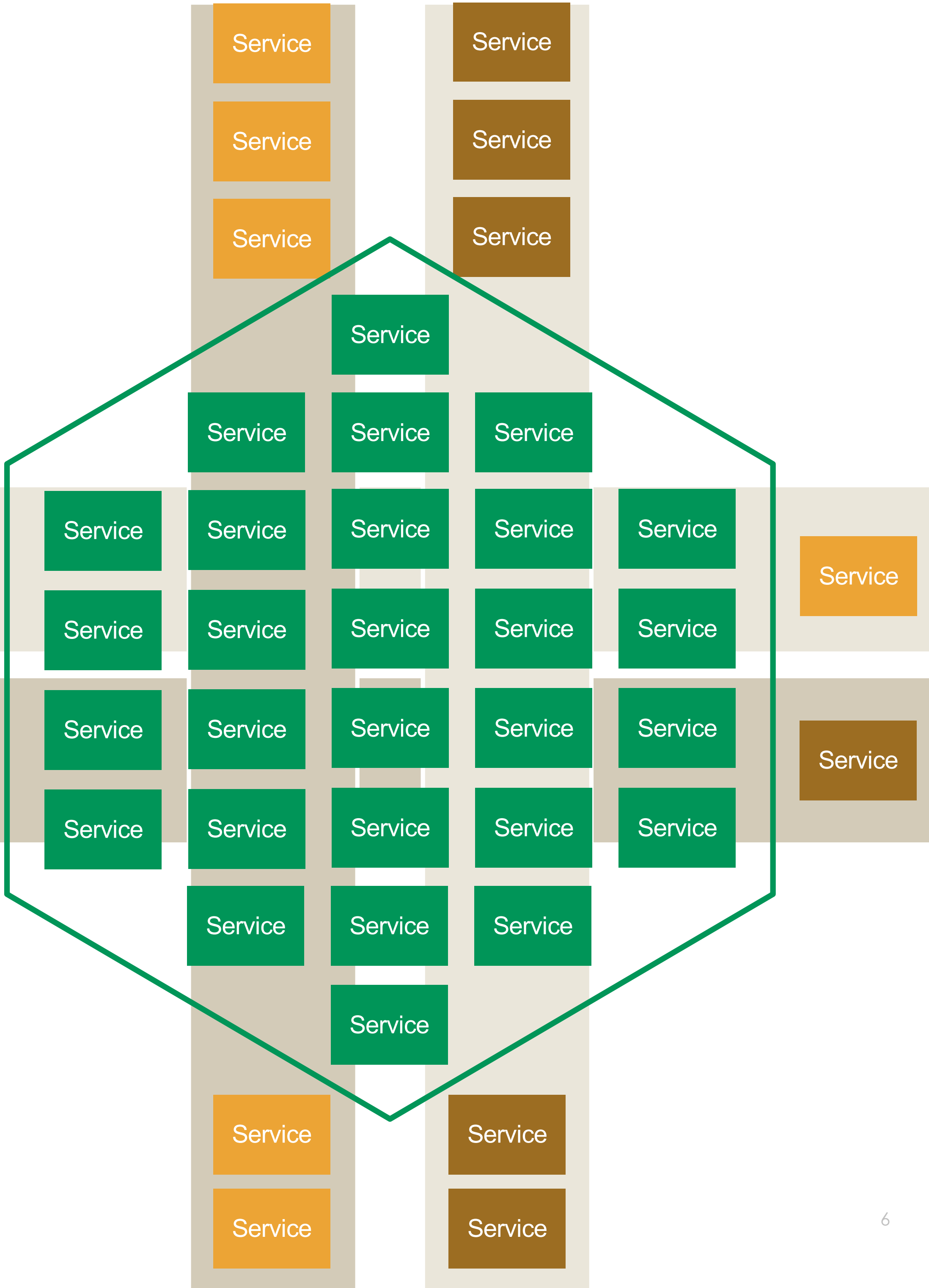
A compound word of Yggdrasil (the mythical world tree from the Norse mythology) and Hash

Goal of YGGDRASH

Through YGGDRASH's "TrueInterchain" technology, YGGDRASH aims to be the user-friendly channel to connect **ALL BLOCKCHAINS & LEGACY SERVICES** and bring the blockchain technology closer to the real world.

TRUE INTERCHAIN



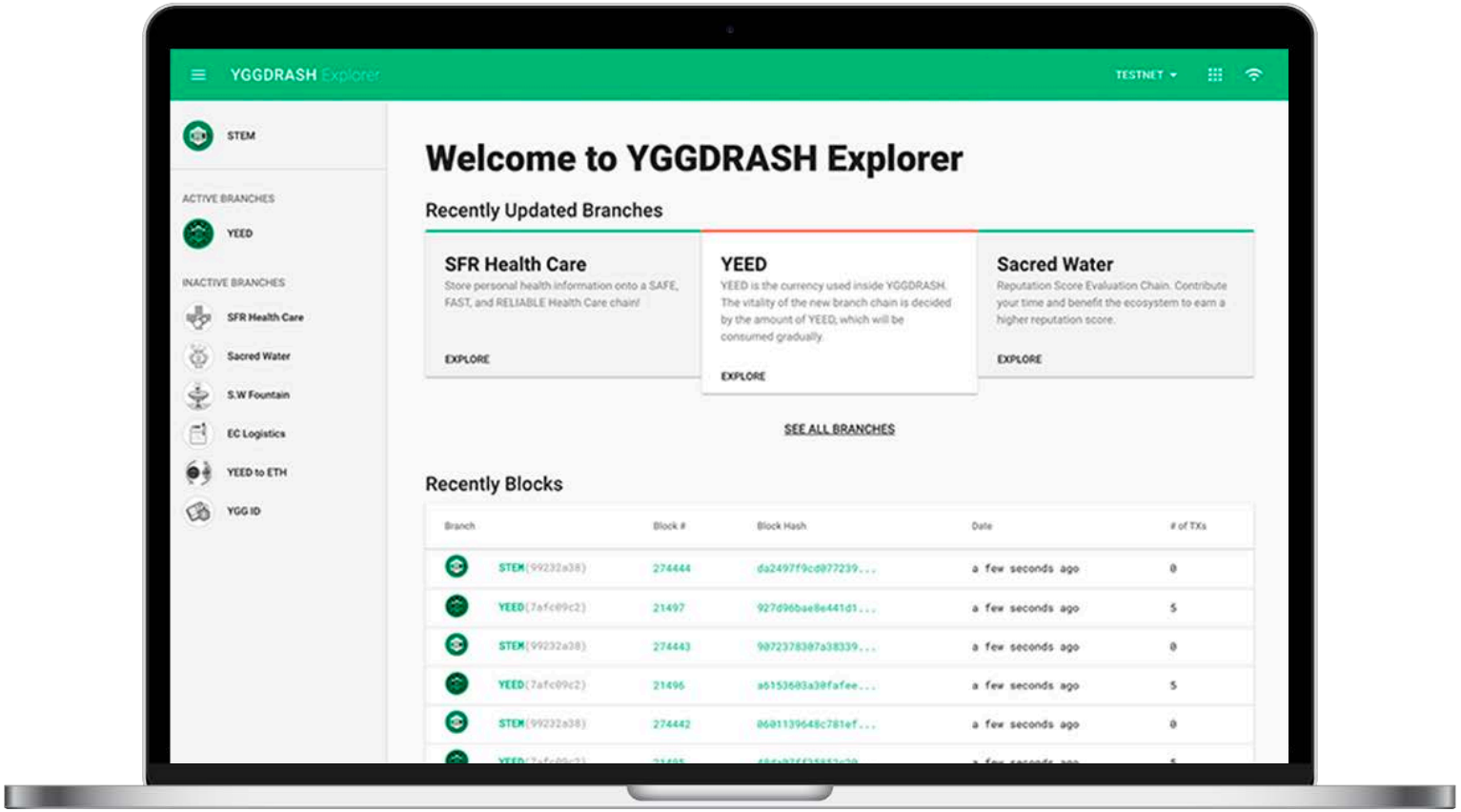


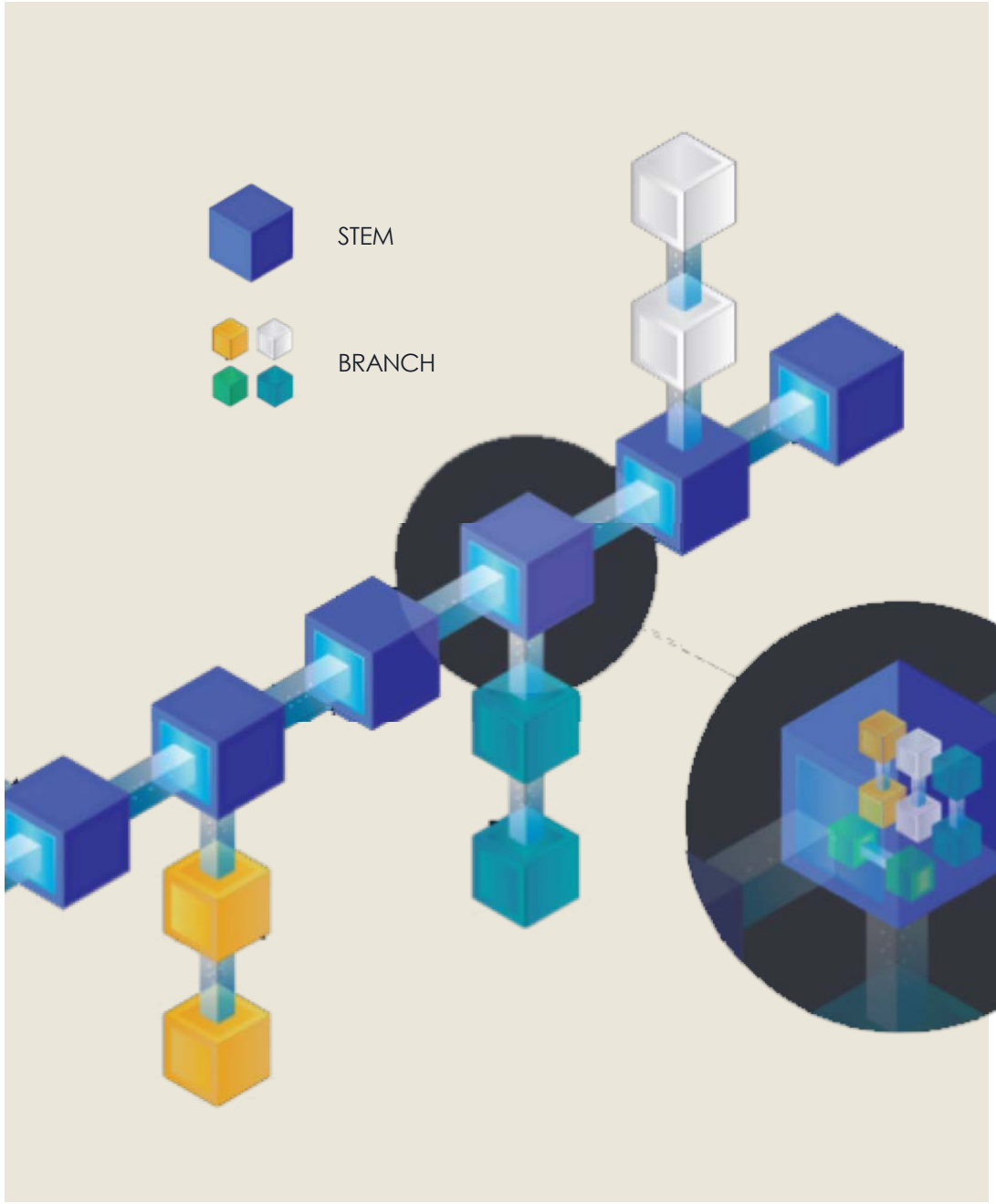
Interchain that actually works!

YGGDRASH will connect with all existing blockchain and legacy platforms and services, and every user can enjoy all the services utilizing their tokens without the need of cryptocurrency exchanges.

INDUSTRY'S FIRST INTERCHAIN ADAPTATION, YGGDRASH TESTNET

YGGDRASH TestNet Alpha is the first case in the blockchain industry that has realized
a DApp platform that allows the independent operation of DApps to the level of DAO
(Decentralized Autonomous Organization), and an interchain platform similar to DNS (Domain NameService) logic.
These two can be implemented through the combination of the STEM CHAIN and BRANCH CHAIN,
the core technology of YGGDRASH Project.





COMPONENTS OF YGGDRASH

STEM CHAIN

The main blockchain of the YGGDRASH ecosystem

An aggregate containing information of all Branch Chains optimized for transaction processing scalability and expandability by storing only minimum information such as the address of each Branch Chain
Mutually connects each Branch Chain by referring its address and is able to manage the full life-cycle (creation / modification / destruction) of each chain

BRANCH CHAIN

A Branch Chain is a DApp and an independent blockchain (DAO) simultaneously which can naturally select the desired consensus algorithm and form its own blockchain governance.

YGGDRASH can naturally refer/connect other Branch Chains at the same time once the Branch Chain is connected to the Stem Chain.

A Branch Chain is operated as a independent blockchain, it is not influenced by overloading and failure of transactions of other Branch Chains.

TECHNOLOGY OF YGGDRASH

Sharding

Network sharding can improve processing performance.
Sharding with
2 Branch Chains: Same Transaction Process Performance as a single one*
** A single Branch Chain: between 1,000 and 10,000 TPS.*
3 or more Branch Chains: Significant Improvement

Block Reassembling Algorithm (BRA)

An effective and stable block synchronization through the BRA that can minimize block sync rate and node resources as the size of a block increases
3 Components: Akashic Record, Block Box, Original Block

P2P Network

The file sharing network of YGGDRASH registers smart contracts, Akashic records, block boxes, and chain resources.
YGGDRASH provides an option to overcome data limitation on the blockchain through the file sharing on the P2P network, which will enable a more diverse and varied blockchain services.

Akashic Slice

The Chain Connection Protocol that connects blockchains with other blockchains created at a different time
At the time when the data of different blockchains is exchanged, the result of the block of the node is stored as if shooting a snapshot of that exact moment.

YGGDRASH AS SOLUTIONS

Existing Problems

Scalability

The rapid increase in transaction data and DApp data slow down the transaction speed due to the increased size of all blocks and the block sync time

Usability

Usable DAVs / DAPPs are close to none
"Krypto Kitty" = 14,000 unique users*
(The average download count of the top 50 apps in the Google Play Store is 25,000)

* Source: Dappradar

Consensus Algorithm

A linear and explosive transaction environment creates greedy block validators who lines up all transactions and dapps based only on profitability.

Platform Dependency

A blockchain service on a blockchain platform must be developed in accordance with the nature of the platform (public, private) regardless of the nature of the service and the direction in which it is pursued.

YGGDRASH

Processing Speed ↑ using **Network Sharding**
Node Sync ↑ using **BRA**
Storage ↑ with **File Sharing on P2P Network**

T.R.U Interchain creates real usability.
DApps with value added features to real life are being developed by **D-STATION**
These Dapps will be invigorated by listing and trading on **MCS.**

Delegated Proof Of Authority (DPoA) based on Practical Byzantine Fault Tolerance (PBFT) will perfect the data finality and performance issues of PoW and PoS.

Problem solved by applying a chain connection protocol called **Akashic Slice**
Provide YGGDRASH **Starter & Smart Kit** containing new technologies for easy development

TRANSPARENT DEVELOPMENT

1

GitHub

https://github.com/yggdrash

The development repository of YGGDRASH where everyone can see, and all the future sprints will be publicly available.

2

Developers

https://developers.yggdrash.io/

A Complete Guidebook for YGGDRASH developers

3

Gitter

https://gitter.im/yggdrash/yggdrash

A two-way communication channel between internal and external developers to collect diverse ideas and to take the best development path

FUTURE WITH YGGDRASH

Kaylee has two types of tokens in her wallet: **Token A** from Platform A and **Token B** from Service B. (Both Platform A and Service B are connected to YGGDRASH.)

There is a newly launched Service C that Kaylee wants to use. (Service C is originally a legacy business converted into blockchain world by connecting to YGGDRASH.)

FUTURE WITH YGGDRASH

Kaylee utilizes her **Token A** and **Token B** to use the new Service C.

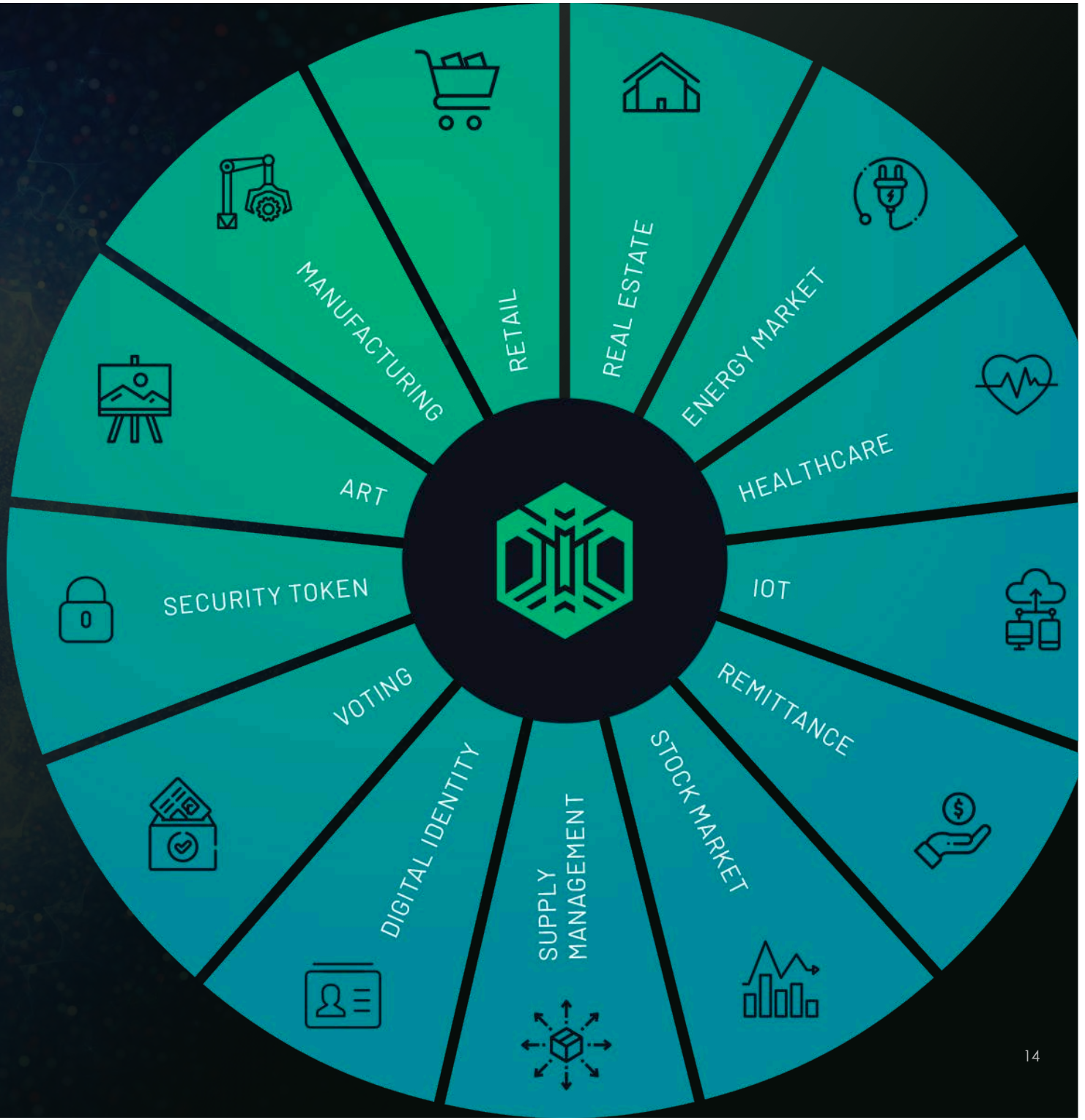
<

In the backstage, **Token A** and **Token B** went through **YGGDRASH's STEM CHAIN** and converted into **YEED**, and converted into **Token C** for use.

>

In the world of YGGDRASH, everyone can relax and enjoy all the services with no hassle.

YGGDRASH WORLD



SERVICES IN DEVELOPMENT

Pointo

Pointo aims to build an Integrated Mileage Ecosystem through the use of blockchain technology

Pointo generates more traffic to its partners and can open doors to the global market.

Cooni

Fandom platform to support star's creative activities through direct dialogue

A system where a star can answer questions directly to one's fans Questioner and Answerer (Star) share streaming revenue

SponB

Data Driven Sports Social Community Platform

Record data on the blockchain, including odds and major game Attendance

Sports dedicated payment system

SAGOLINK

Damage Brokerage Platform

Based on transparent and reliable incident data, providing Information to get the best result

REMIIT

International remittance and fund settlement platform

Connect business and users through a trust-based smart contract system

Minimizing price volatility through token dualization

HYDRO

Ultra-Micropore Plasma Hydrogen Production Technology

Emphasis on data integrity of smart hydrogen stations

Plasma generator patented

MARKETING

Ultimately
YGGDRASH will be the iconic blockchain project for limitless connection
Post MainNet
Focus on increasing the brand and the technology awareness by partnering with industry-leading firms and projects
Participate non-blockchain technology conferences and seminars to bring blockchain technology to mainstream
Prior to MainNet
Focus on community-centric marketing activities

TEAM

David Seo
CEO

CoinOne - COO
MERITZ SECURITIES - Project Manager

Peter Ryu
CTO

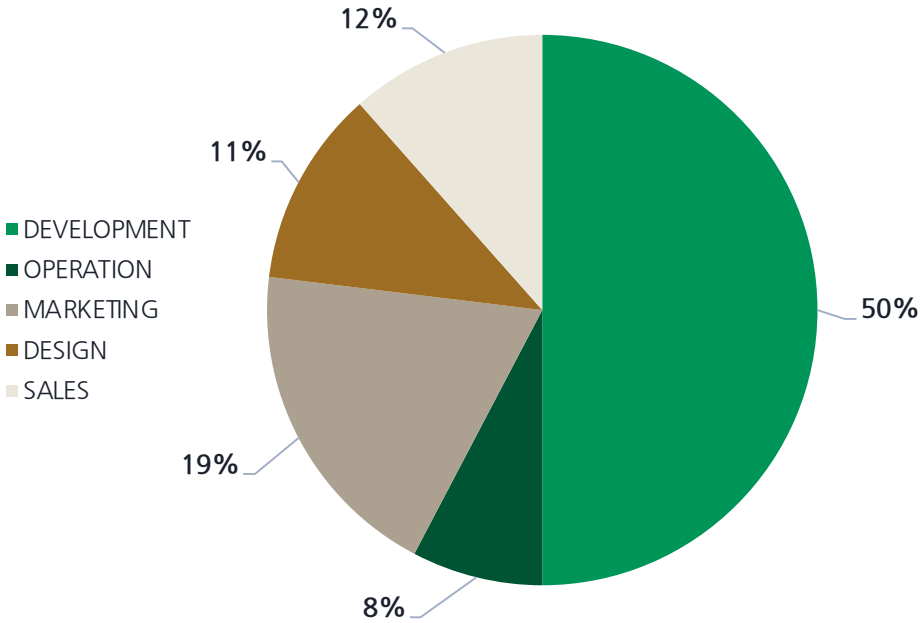
ICON Foundation - ICX Coin Development Team Leader
TheLOOP - Blockchain Architect and Development Team Leader
WeMakePrice - Global eCommerce Platform Development

Ayden Kim
COO

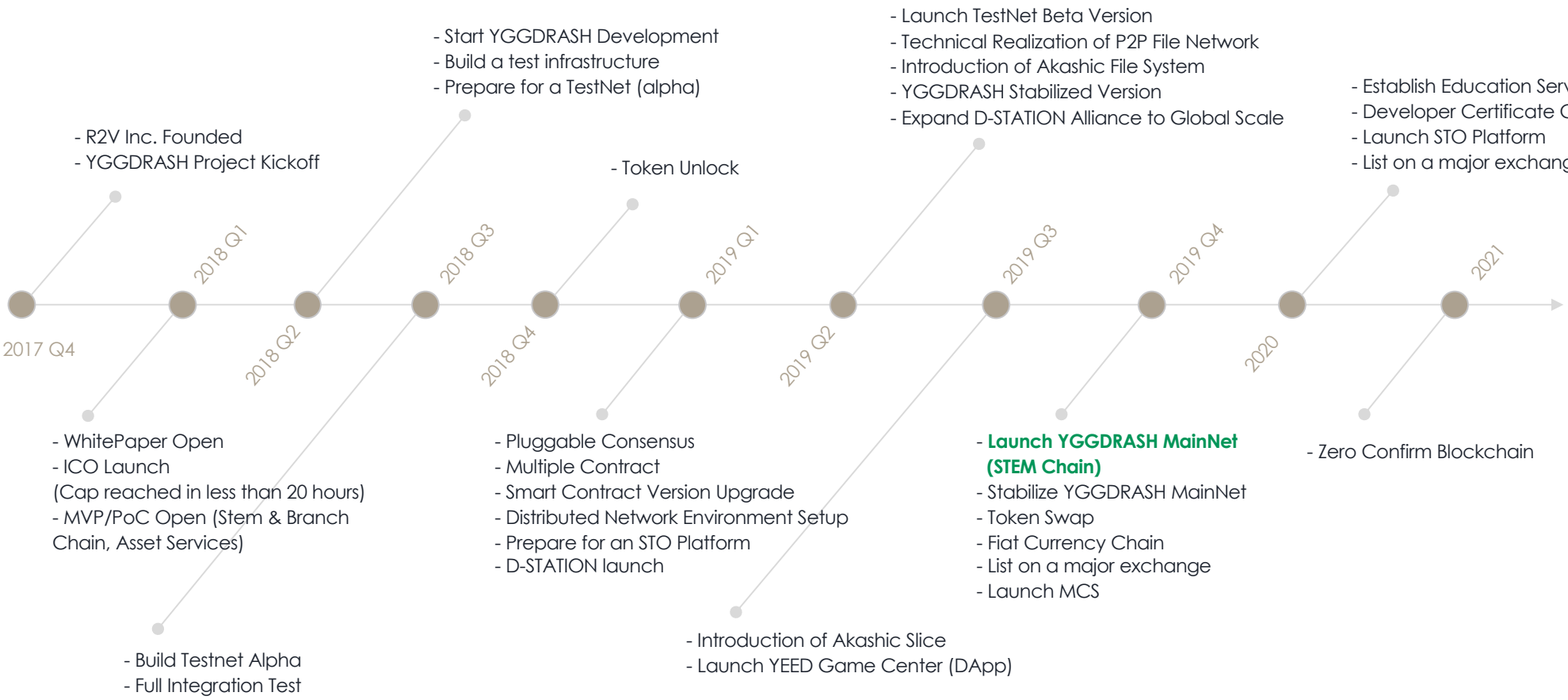
Bithumb - Information Security Team Leader
Coupang - Information Security Certi. and Auditing
MERITZ SECURITIES - Information Security Manager

Total

29



ROADMAP


2017 Q4
- R2V Inc. Founded
- YGGDRASH Project Kickoff
2018 Q1
- WhitePaper Open
- ICO Launch
(Cap reached in less than 20 hours)
- MVP/PoC Open (Stem & Branch Chain, Asset Services)
2018 Q2
- Build Testnet Alpha
- Full Integration Test
2018 Q3
- Start YGGDRASH Development
- Build a test infrastructure
- Prepare for a TestNet (alpha)
2018 Q4
- Token Unlock
- Pluggable Consensus
- Multiple Contract
- Smart Contract Version Upgrade
- Distributed Network Environment Setup
- Prepare for an STO Platform
- D-STATION launch
2019 Q1
2019 Q2
- Introduction of Akashic Slice
- Launch YEED Game Center (DApp)
2019 Q3
- Launch TestNet Beta Version
- Technical Realization of P2P File Network
- Introduction of Akashic File System
- YGGDRASH Stabilized Version
- Expand D-STATION Alliance to Global Scale
2019 Q4
- Launch YGGDRASH MainNet (STEM Chain)
- Stabilize YGGDRASH MainNet
- Token Swap
- Fiat Currency Chain
- List on a major exchange
- Launch MCS
2020
- Zero Confirm Blockchain
2021
- Establish Education Service
- Developer Certificate Chain
- Launch STO Platform
- List on a major exchange

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info@yggdrash.io
KOFIA 7th Fl. 143 Uisadang-daero, Yeongdeungpo-gu, Seoul, Korea
THANK YOU
YGGDRASH

APPENDIX

APPENDIX 1: CORPORATE INFORMATION

= Reality to Virtuality

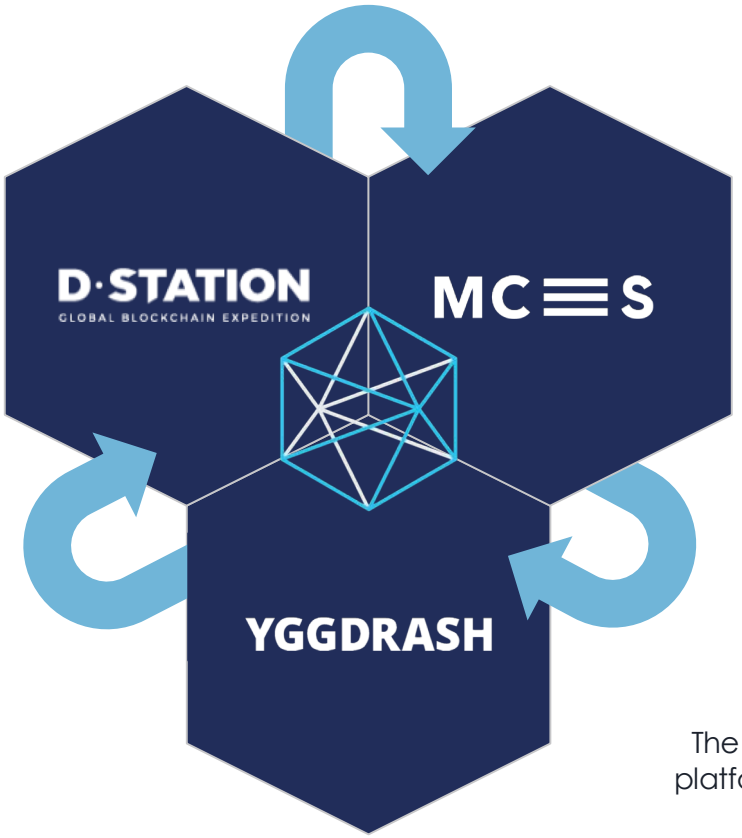
Corporation Name	R2V Inc. (Korea)
CEO	David Seo
Major Business	Blockchain Platform Development Cryptocurrency Exchange Operation Blockchain Consulting
Date of Establishment	October 13th, 2017
Number of Employees	26

APPENDIX 2: R2V TRINITY AND THE VIRTUOUS CIRCLE

"Core competitiveness to preempt and monopolize global blockchain market"

It provides 1) Incubation, 2) Exchange to Trade on, and 3) Platform to Start blockchain services.
Profitable for Short-term & Mid-term & Long-term

A blockchain service incubation program to add real value to the platform



A cryptocurrency exchange sharing the vision of YGGDRASH and the value from D-STATION

The next generation blockchain platform to solve the problems of existing ones

APPENDIX 3: PLATFORM COMPARISON TABLE

	YGGDRASH	Ethereum	EOS	ICON
Usage	Public / Private	Public / Private	Public	Private
Protocol	DPOA	POS	DPoS	LFT
Coincodecap Rank	50th	4th	22nd	316th
Quick Sync	✓	X	✓	✓
Sidechain	✓	X	✓	✓
Transaction Cost	Conditionally Free	Fee Incurred	Fee Incurred	Fee Incurred
Atomic Swap	✓	✓	✓	✓
Development Kit	✓	✓	✓	✓

APPENDIX 4: SUPERIOR DEVELOPMENT SKILL

39th

coin</>cap

The first Korea-based blockchain project in the top 100

Currently ranked in 39th place in CoinCodeCap, a global development based ranking site (last 6 months)

22th

CryptoMiso

The first Korea-based blockchain project in the top 50

Currently ranked in 22nd place in CryptoMiso, a global development based ranking site (last 6 months)

CoinCodeCap and CryptoMiso provide critical information to investors globally who are considering value investing and interested in long-term investment to projects with future potentials.

APPENDIX 5: D-STATION

"We provide Specialized ·Differentiated Blockchain Incubation Service"

A to Z Blockchain Total Service from initial blockchain business building to final exchange listing

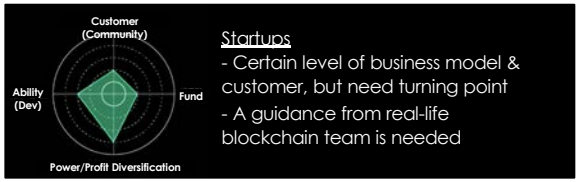
R2V launches a Blockchain Incubation Center

Incubation Center for Blockchain Ecosystem Vitalization
"Creating a blockchain ecosystem through collaboration with Partner Alliance

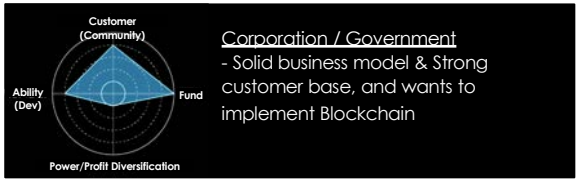
Blockchain Project Incubation Center

Provide incubation services for start-ups, large corporations, finance, etc.

Seed / Early Startup
- New ideas and very passionate
- Lacking in funding, skills, and etc.
- Requires team building and idea realization process



Startups
- Certain level of business model & customer, but need turning point
- A guidance from real-life blockchain team is needed



Corporation / Government
- Solid business model & Strong customer base, and wants to implement Blockchain

Service Pack

Provide total blockchain service including block chain development, marketing, fundraising, etc

A Total Consulting
- ❑Corporate Establishment, Finance and Legal Advisory
- ❑STO
- ❑Documentation (White Paper, One Pager)
- ❑Token Economy
- ❑On-Demand Consulting

B Dev Solution
- ❑Blockchain Architecture
- ❑Smart Contract Design
- ❑Smart Contract Audit
- ❑On-demand Consulting

C Marketing Solution
- ❑Community Management
- ❑Media, PR
- ❑Viral Marketing
- ❑Meetup, Conference Hosting

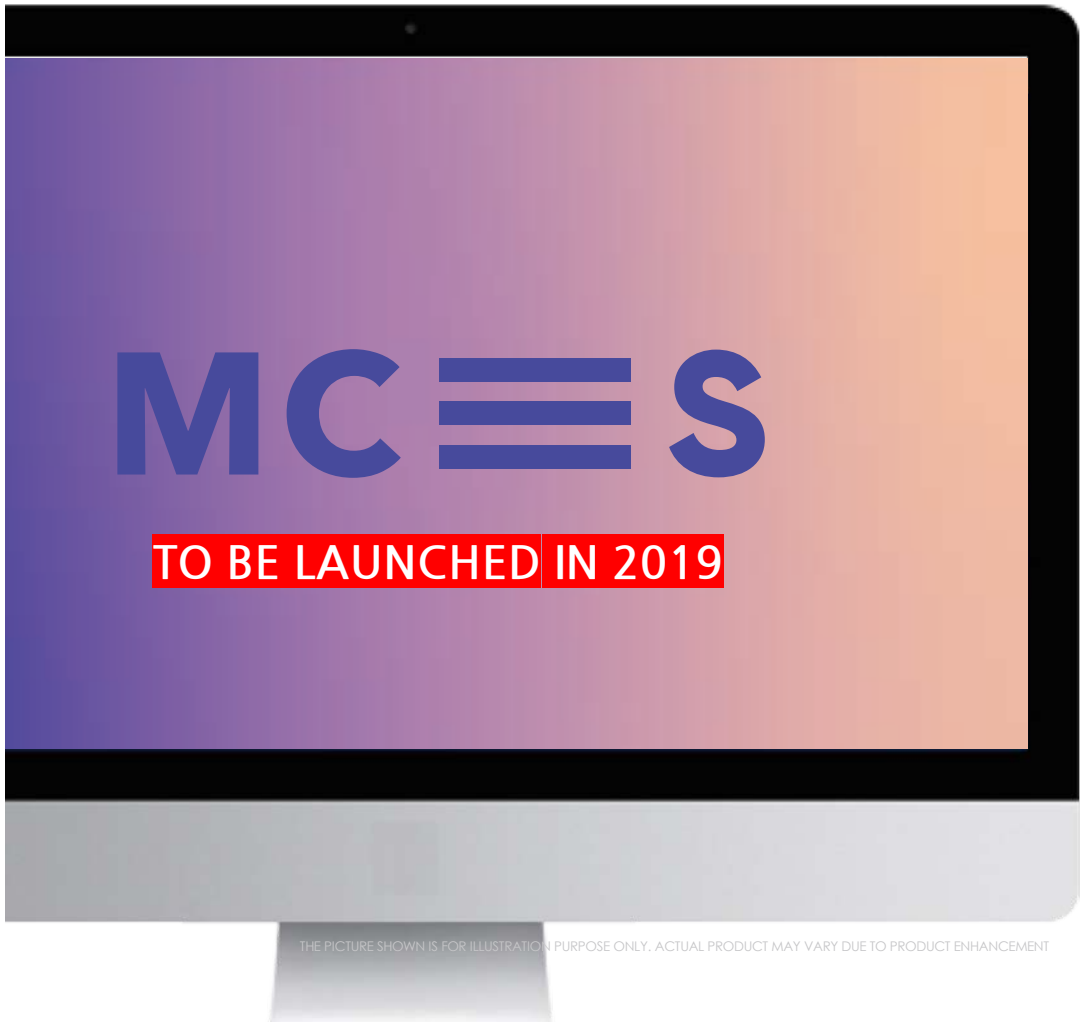
Top-tier Alliance in Various Fields

Companies in legal affairs / finance / accounting, marketing, development, PR, recruitment

R2V · GLOSFER · HYCON · YGGDRASH · Decenter · wanted · LEEKIM · Pentabase · SOCIALITE · STAGE9

APPENDIX 6: MCS (MYCOINSTORY)

"Aims to be one of Global Top 5 Cryptocurrency Exchange in this year"
Derivatives Cryptocurrency Exchange



A New Exchange Token Model!
Offers the variety of derivatives

Fast Processing Speed!
30% increase in TPS compared to other cryptocurrency exchanges

Tick Trading Available!
Create transactions faster with MCS Tick Trading System

Safe and Secure Asset Management!
Stress tested and DDoS tested Reliable Asset Management System

Outstanding Compatibility!
MCS provides best user experiences in both desktop and mobile environment and supports various platforms like Windows, MacOS, Android, and iOS

APPENDIX 7: YGGDRASH IN MEDIA