

# ICO Review: AERGO (AERGO Bit)

Blockchain Fuel for Autonomous Business

July 14, 2018



# What is AERGO?

- Developing an open source blockchain protocol that is “enterprise ready”. Using their platform, businesses and developers would be able to easily design, build and deploy their applications onto the blockchain within the cloud, with the option of deploying on either public or private blockchains.
- Aims to resolve the issues of IT integration, software development, privacy, scalability, and interoperability that exists in today’s blockchains.



# Differentiating features

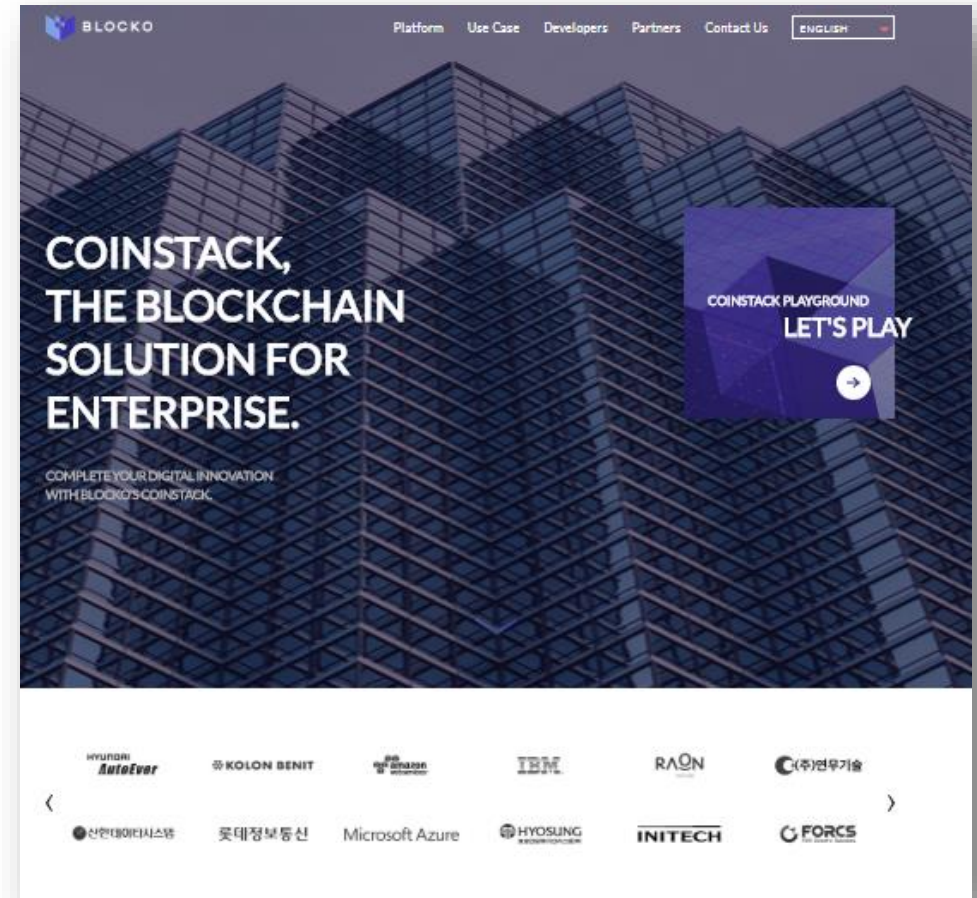
- Seeks to be the first to provide features such as SQL, reactivity and isomorphic programming. It will also introduce a new software stack comprised of SQL, AERGO and Meteor.
- The goal is to create a platform for developers to easily build and deploy decentralized applications (dApps) within the cloud with faster transaction speeds and lower operational costs.

## AERGOSQL CODING MODEL EXTRACT

```
CREATE TABLE IF NOT EXISTS accounts (  
    owner VARCHAR NOT NULL PRIMARY KEY,  
    balance NUMERIC (15, 2)  
);  
  
CREATE OR REPLAE FUNCTION  
transfer (sender text, to text, amount numeric (15, 2))  
RETURNS text  
AS  
$$  
DECLARE  
    sender_bal numeric ;  
BEGIN  
    SELECT balance INTO sender_bal FROM accounts WHERE owner = sender ;  
    IF NOT FOUND THEN  
        RETURN 'Sender not found' ;  
    END IF  
    IF sender_bal < amount THEN  
        RETURN 'Not enough balance' ;  
    END IF  
    UPDATE accounts SET balance = balance + amount WHERE owner = to ;  
    IF NOT FOUND THEN  
        RETURN 'Receiver not found' ;  
    END IF;  
    UPDATE accounts SET balance = balance - amount WHERE owner = sender ;  
    RETURN 'OK' ;  
END  
$$
```

# Supported and developed by Blocko.io

- Blocko Inc. is a blockchain infrastructure provider founded in 2014 with operations in the UK, South Korea, and Hong Kong.
- AERGO will be utilizing Coinstack, a permissioned blockchain solution developed by Blocko that enables users to share data with third parties in a secure and efficient manner and has already been deployed to 25 million users around the world.
- Blocko works with a number of established companies including Cisco, Hyundai-Kia Motors, KRX Korea Exchange, IBM, Microsoft Azure, SK Telecom, Lotte Card, etc.



# Key component #1: AERGO Chain

- The public internet of blockchains which will feature an SQL-based smart contracts platform with performance potentially exceeding 1 million transactions per second using sidechain technology.
- Uses deterministic delegated proof-of-state (DPoS) governance model to enhance performance and maximize network stability. It will also support the Ethereum Virtual Machine to achieve interoperability.

## Consensus Algorithm

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DETERMINISTIC DPOS  
(DELEGATED PROOF OF STAKE)

## Governance

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REPUTATION & PROPOSAL

## Smart Contract

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AERGO SQL

## Performance

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+1 MILLIONS TPS WITH  
SIDECHAIN TECHNOLOGY

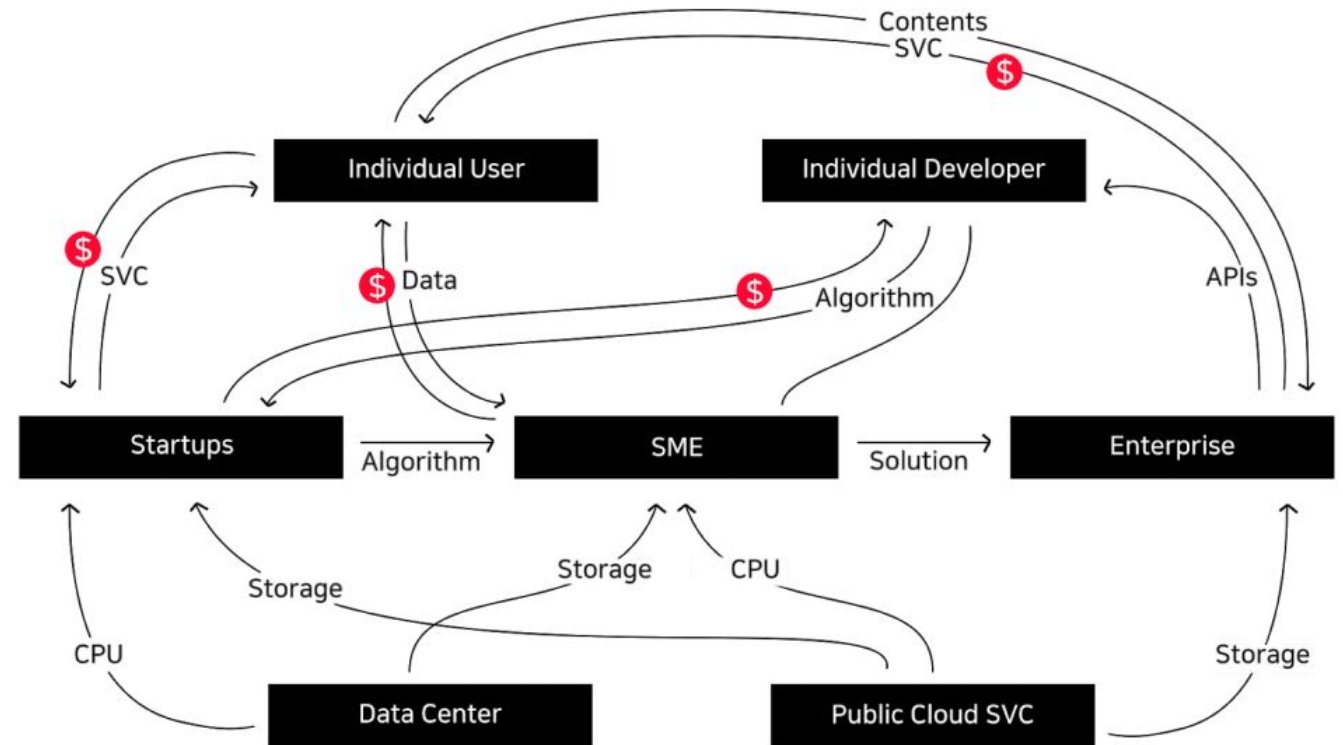
# Key component #2: AERGO Hub

- The public interface of AERGO Chain that will enable developers to build, test, deploy and manage independent blockchains.
- Essentially a web-based blockchain hosting service (similar to current public cloud web services) that provides various tools and services, and connects secure dApps using AERGO Chain.

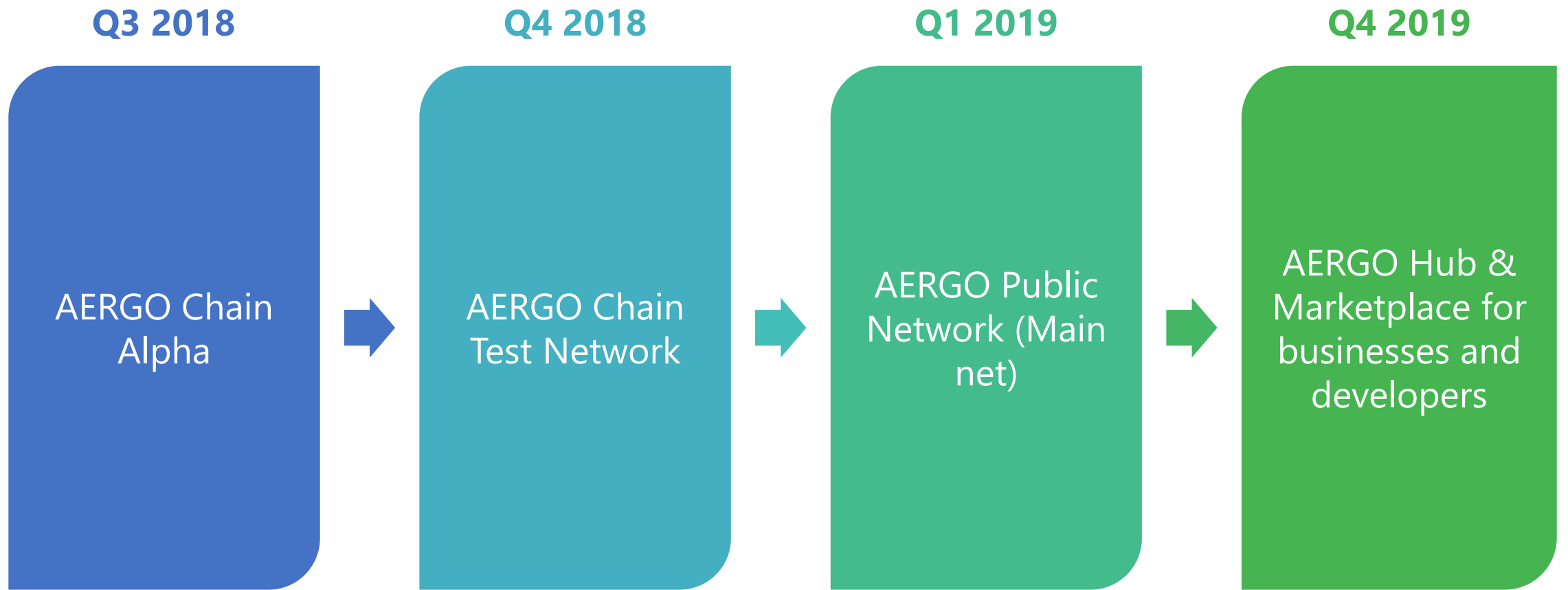


# Key component #3: AERGO Marketplace

- A P2P marketplace for software applications and computing resources such as storage, computing power, algorithms, contents, etc.) for AERGO Chain.
- Third parties such as service providers and cloud infrastructure vendors will be able to market their products and services to AERGO's users. The marketplace will be accessed through AERGO Hub's public interface.



# Development roadmap



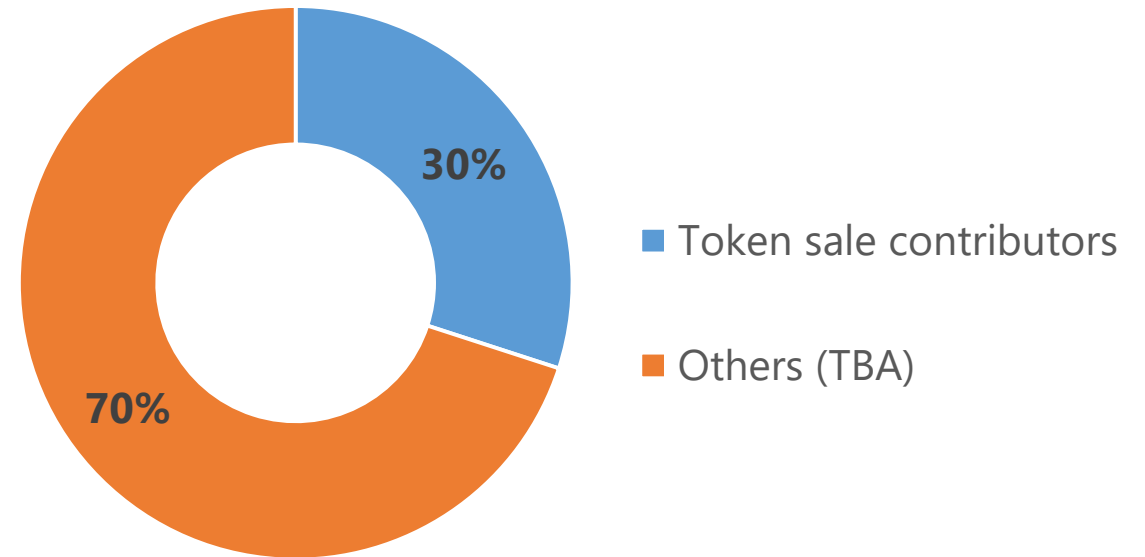


# AERGO Bit token sale summary

## ICO SUMMARY

- **Project name:** AERGO
- **Token symbol:** AERGO Bit
- **Website:** <https://www.aergo.io>
- **Hard cap:** US\$30M
- **Conversion rate:** TBA
- **Max market cap at ICO (fully diluted basis):** US\$100M
- **Bonus structure:** TBA
- **Private sale / white list:** The private sale has completed. Details on the public sale and whitelist will be provided by the team soon.
- **ERC20 token:** Yes (the tokens will be migrated to the mainnet after it is launched)
- **Countries excluded:** TBA
- **Timeline:** The public sale is tentatively scheduled for launch in August 2018
- **Token distribution date:** TBA

## TOKEN ALLOCATION



# Use of AERGO Bits

- AERGO Bits will be used to incentivize its three major providers – infrastructure providers, technology providers, and service providers. It will be migrated to the AERGO main net once it has launched (currently scheduled to be released in Q1 2019).
- Uses of the tokens include:
  - Running smart contracts to enable various business products and services.
  - Reward for DPoS consensus algorithm.
  - Payment method for technical support, various services provided by AERGO Hub and AERGO Marketplace, and other tools and assets.
- AERGO Bits should appreciate in value as more enterprises and developers join and use the network. Adoption will be driven by the platform's ease of use, speed, security, and numerous other factors.

## THE TEAM

# Team and advisors



**Phil Zamani**

AERGO Board

20+ years of open source, cloud business, blockchain experience. Currently the COO of Blocko. Previously at Banco Santander, Deutsche Telekom, Red Hat, Synopsys, Novell, Springsource (now Pivotal), etc.



**Hun Young Park**

AERGO Board

13+ years of experience in developing databases and distributed systems. Currently the CTO and Director of Blockchain Research Development of Blocko. Previously the Principal Software Engineer at TmaxData and Senior Software Engineer at Tiberio.



**Roderik van der Graaf**

AERGO Board

20+ years of experience in PE/VC and equity derivatives trading. Currently the Founder and Managing Partner of Lemniscap and an advisor to Blocko. Previously worked at Caldera Pacific, KCP, Deutsche Bank, HSBC, Rabobank, etc.



**Won Kim**

Committee Head

15 years of experience in Relational DBMS and distributed systems. Founder and CEO of Blocko and Technical Advisor to Lemniscap. Previously worked in R&D of distributed databases and database administration at S-Core and TmaxSoft.



**Jane Lee**

Committee Head

7 years of experience in strategy consulting with expertise in digital transformation and tech commercialization. Currently the Chief Strategy Officer of Blocko. Previously the Strategy Manager of Accenture where she worked for more than 6 years.



**Alison Shim**

Committee Head

5 years of experience in strategy consulting with expertise in go-to-market strategy and business development. Currently the Chief Innovation Officer at Blocko..

# The opportunities

- The project is supported by Blocko, an established company that so far has delivered 23 in-production blockchain systems (for 20 companies) supporting over 25 million users. Blocko is proposing to introduce AERGO to their existing clients so the project could gain traction quickly.
- Strong team that is balanced in terms of technical knowledge and business development.
- There is a wide range of potential use cases in multiple industries, including financial services, manufacturing, distribution, insurance, healthcare, government and the internet of things.
- Potential for other blockchain networks to be bridged onto AERGO.

# Our concerns

- DPoS consensus mechanism that AERGO will be using sacrifices decentralization for scalability.
- Competition from other companies, including R3, Microsoft, IBM, JP Morgan, and SAP, that are also trying to bring enterprises onto the blockchain.
- No MVP is available yet.

## For flipping: **Positive.**

- AERGO has a reminiscence to ICON, one of the best ICO projects in the last year, in various ways (backed by an established blockchain team, lots of existing enterprise users, Korean team).
- We believe that the project will do very well out of the gate, even in the current market environment.

## For long-term holding: **Positive.**

- Being backed by Blocko brings a number of advantages (experienced team in blockchain development, client list, and instant recognition). It helps AERGO both on the technical and business development front. Therefore, we believe AERGO has a good chance to be successful in the long run.
- A lot of other cryptocurrency analyses focus on the technical side. While that is important, we also believe that the team with the best tech doesn't necessarily win. It is the user experience and adoption of the technology that ultimately matter. This is best explained in the well-studied business case of the videotape format war.

***CrushCrypto***