

The Emergent EngTech Sector



INTEGRATED ENGINEERING
BLOCKCHAIN CONSORTIUM

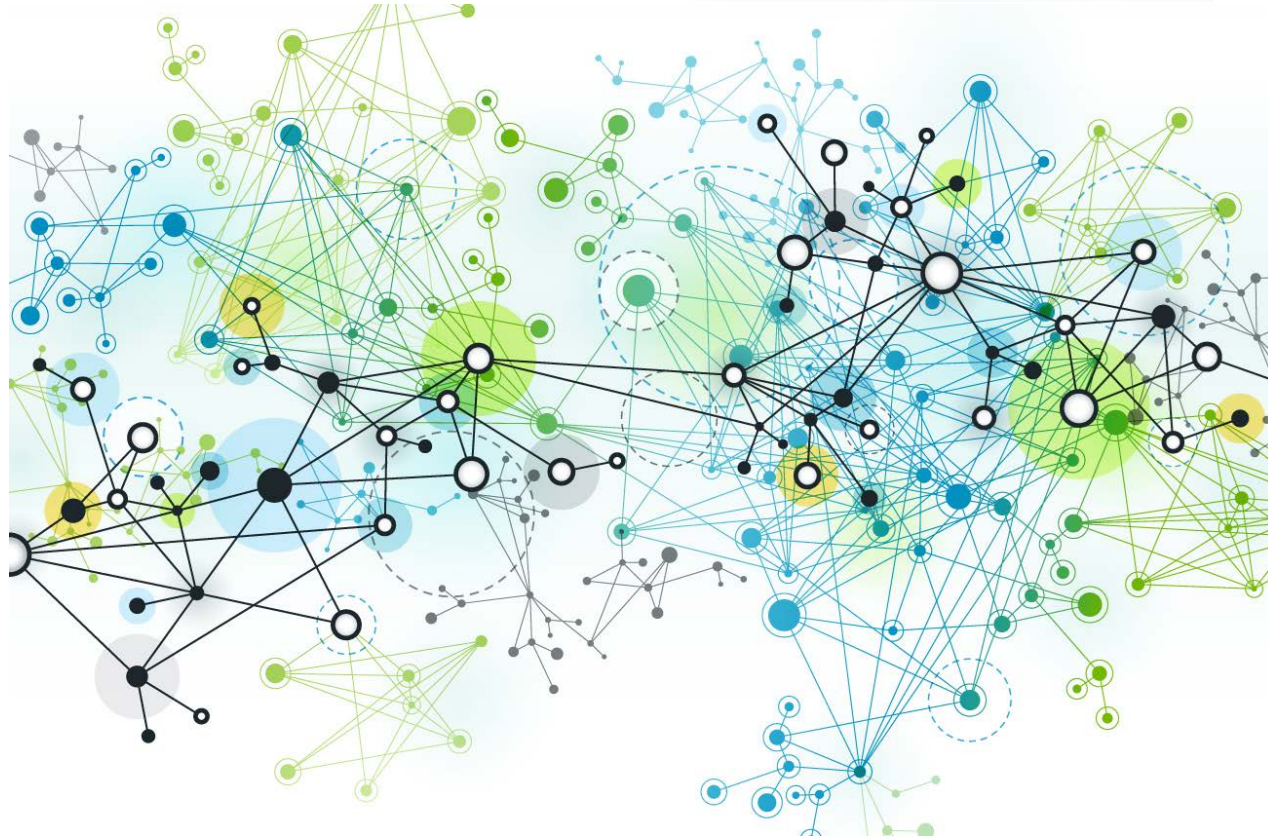
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IEBC.co



INTEGRATED ENGINEERING
BLOCKCHAIN CONSORTIUM



Objective: to create a
worldwide
multidisciplinary
decentralized
network of uniquely
identifiable engineers
who are qualified to
adjudicate smart
contracts "on-block"
In the physical
domain

Papers

Prizes

Partners



COENGINEERS, PLLC



SC SOLUTIONS

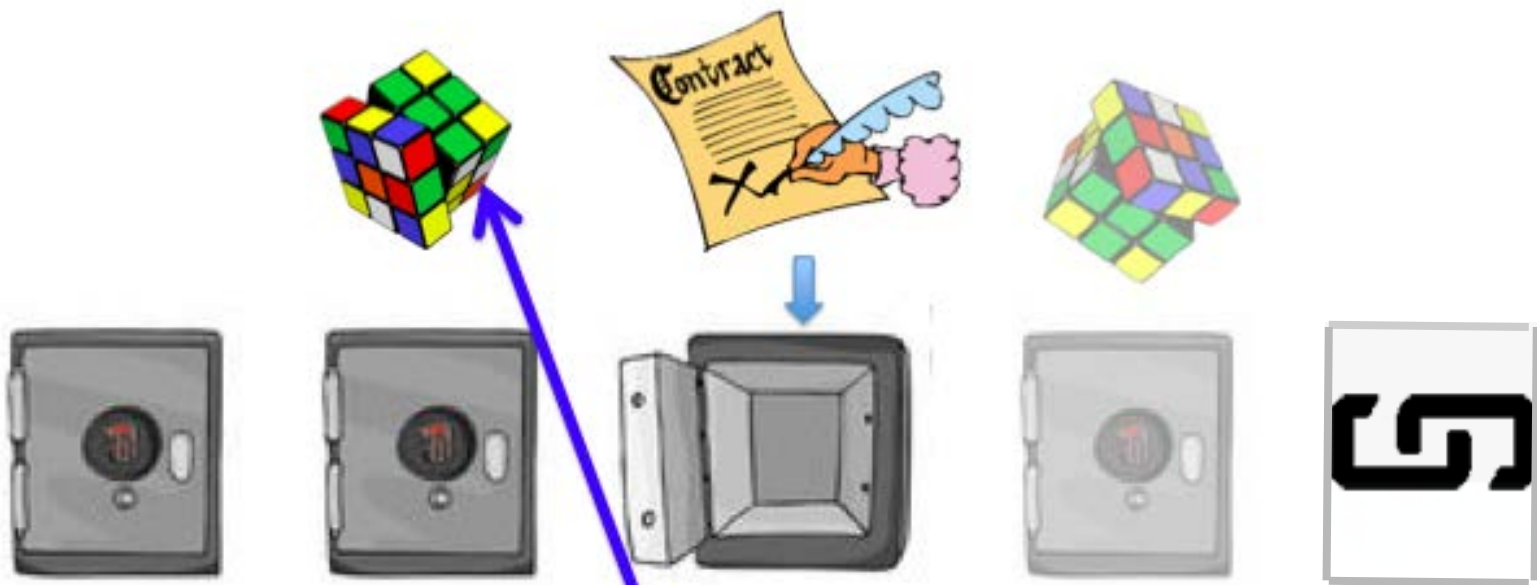




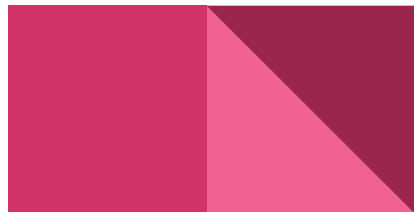
Consensus
Makes the
World Go
Around



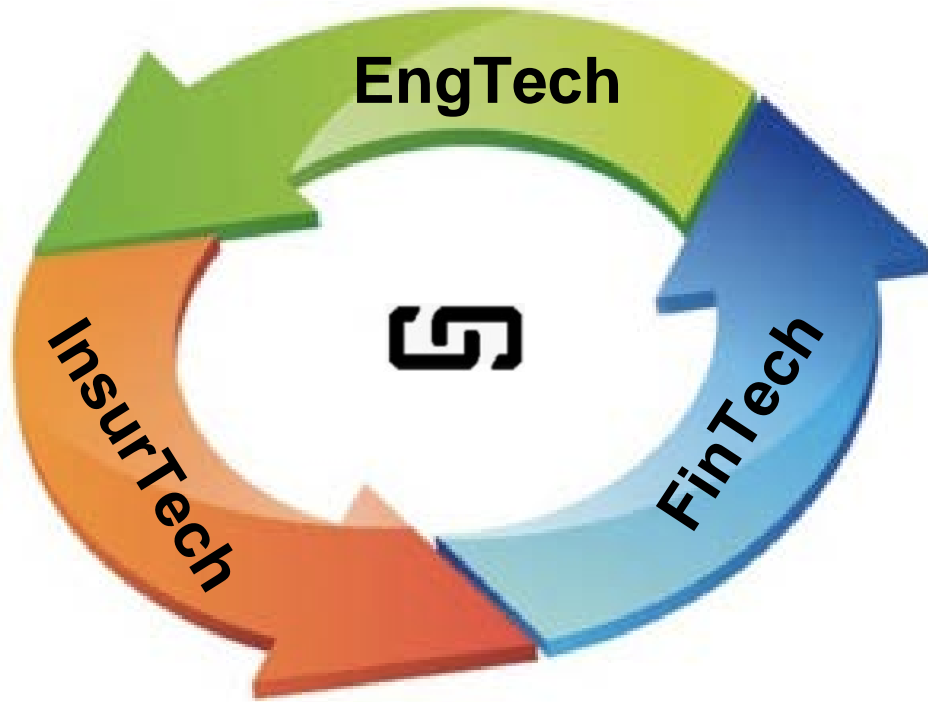
Blockchain Emulates The Human Condition



What if we use real-life Engineering puzzles instead of trivial puzzles?



Form A Virtuous Circle



Engineer

Discipline

EngTech

Registered Engineer (US)

Mechanical

Blockchain Technology

Chartered Engineer (UK)

Civil

Internet of Things

Licensed Architects

Electrical

Artificial Intelligence

Degreed Engineer

Architect

Augmented Reality

Engineering Technologist

Industrial

Building Information Modeling (BIM)

Non-degreed Engineer

Software

Parametric Modeling (ProE, CATIA)

Maker of Useful Things

Surveyors

3D printing

Sub Disciplines





Objective: Create an electronic token that represents the productivity of engineering solution to real engineering problems.

Method: Simple Autonomous Blockchain with modified proof-of-stake algorithm to produce blocks.

Two smart contracts:

I make a Claim

I verify a Claim



Quant - Basic Operation

1. Engineer makes claims of education, examinations, experience, etc., and is awarded Quant by the Blockchain.
2. Other engineer verifies claim. Each are awarded Quant and become indelibly linked to the claim as part of their transaction records.
3. The amount of the Quant award is proportional to the reputation of each engineer as calculated from their individual transaction record.
4. Transaction records form unique identity, certification, and body of knowledge for the profession
5. In order to access the network, you need to purchase quant from stakeholders in the network
6. As the network grows, the value of the network increases.



InsurTech Implications

A transaction record is constructed from a set of claims

A “claim” is an insurable event, therefore identity is an insurable condition.

Identity is not a problem to be solved, Identity is a risk to be managed.

Focus on **Decisions** in order to run blockchain and create good valid data.

A claim is nice, hard contract: good for mining even though the underlying facts may be ambiguous.

High value data: analysis, pooling, premiums, new ins. products



Conclusion

We are specifying a Blockchain driven by a consensus created through the virtuous circle of FinTech, InsurTech, and EngTech to create blocks

Engineers are Miners/Oracles, insurability is puzzle, financial market is the witnesses.

InsurTech, FinTech, EngTech smart contracts may be written over this Blockchain

The Quant represents intrinsic value, highly stable, bubble proof

Quant exchange rate is established through the accurate pricing of risk.

No incentive to cheat, very difficult to forge, incents sustainable economic development

Global Identity, certification, and fault-tolerant network, AI, IoT support

Reflects the human condition

