

FAQ 토크박스

질문 답변

연재 강좌

정보 자료



이더리움 주간 뉴스(17.04.23)  
 CoinKorea 캘린더 공유  
 이더리움 데브미팅 14 기록 (4/21)  
 라이스대 비지니스 블록체인 컨퍼런스 시리즈  
 4월 4주차 가상화폐 관련 뉴스입니다.  
 이더리움 네임 서비스(ENS) 재론칭



검색

이더리움 dApp 블록체인 비트코인 Pos Ico ens 코스모스

**블록체인 2.0 | 라이스대 비지니스 블록체인 컨퍼런스 (6)** TALK을 활용하여 다양한 온/오프라인 이벤트 및 체인톡 별도 프로젝트 참여

작성자 atomrigs (50.♡.129.♡) 17-04-28 06:32 조회 104회 댓글 1건

목록

라이스대에서 있었던 블록체인 컨퍼런스 자료 시리즈입니다.

앞 편들은 다음 링크에서 찾아 보실 수 있습니다.

1편 (Consensys, MicroSoft, IBM)

<http://www.chaintalk.io/archive/lecture/673>

2편 (Hyperledger, R3, Symbiont, CME)

<http://www.chaintalk.io/archive/lecture/684>

3편 (Oaken, Storj, BNY Mellon, BlockApps)

<http://www.chaintalk.io/archive/lecture/685>

4편 (Pokitdot, Hashed Health, Dfinity)

<http://www.chaintalk.io/archive/lecture/686>

5편 (uport, infura, etherisc)

<http://www.chaintalk.io/archive/lecture/687>

이번이 마지막 편입니다. 익숙한 프로젝들이 몇 가지 있었는데, 이미 잘 아는 내용들을 정리해서 발표자 사진만 보여드립니다.



# FACTOM

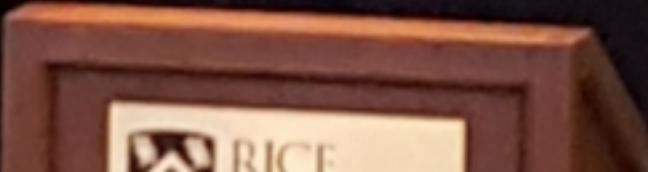
KEY CONCEPTS IN BLOCKCHAIN & IOT



RICE  
JONES GRADUATE  
SCHOOL OF BUSINESS



MELONPORT

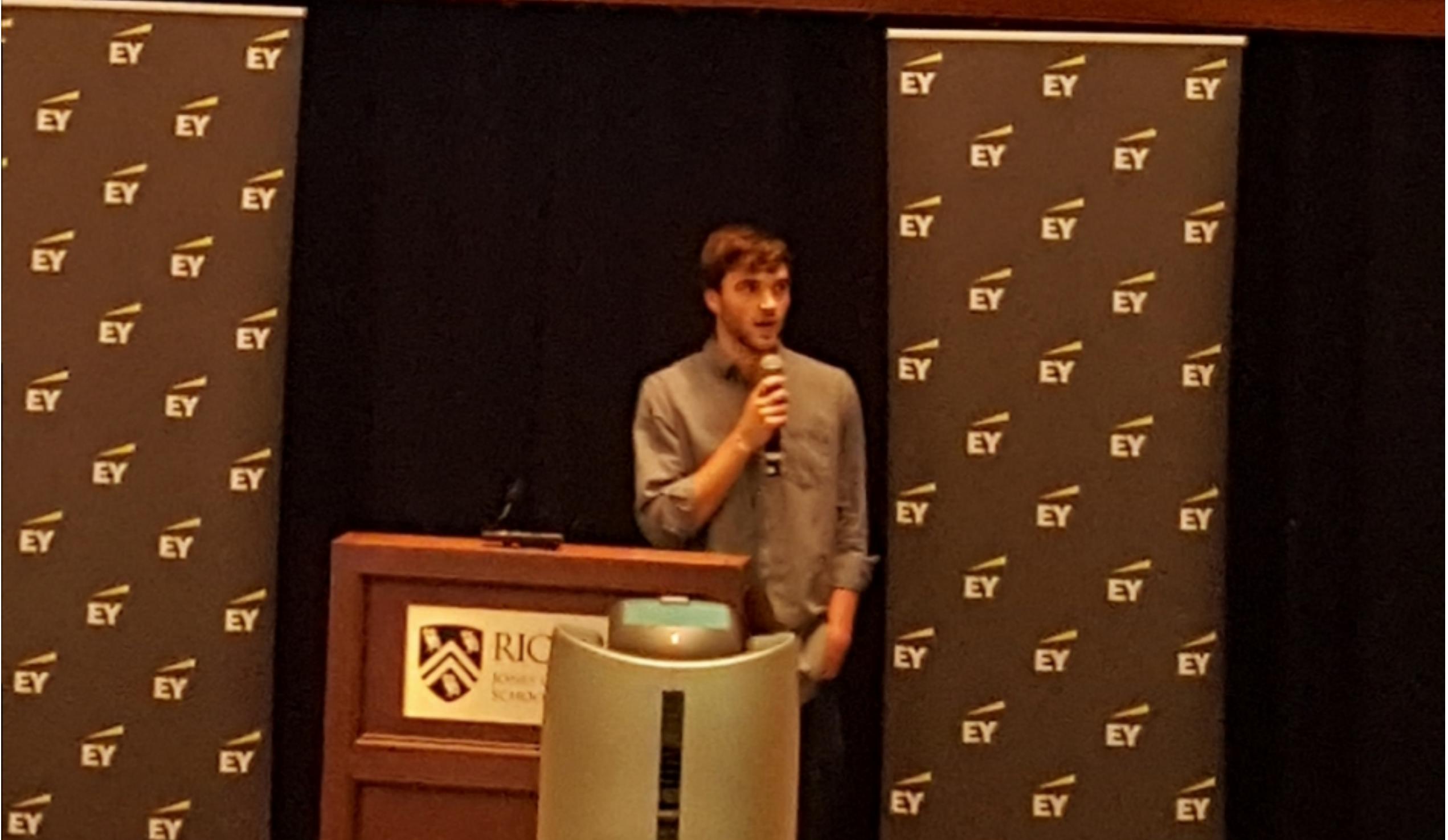


# WHAT IS AUGUR?

Markets - Sports

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어거 CTO 발표중에 강조하는 것이 어거도 플랫폼이라는 것과, 자기네 오라클 시스템이 매우 decentralized 되어 있어서 공평한 시스템이 될거라는 확신에 차 있더군요. 더 이상의 펀드레이징은 없고, 전에 받았던 것으로 계속 개발해도 충분하다는군요. ㅋㅋ

다음의 발표는 Polychain Capital 의 Ryan Zurrer 입니다.

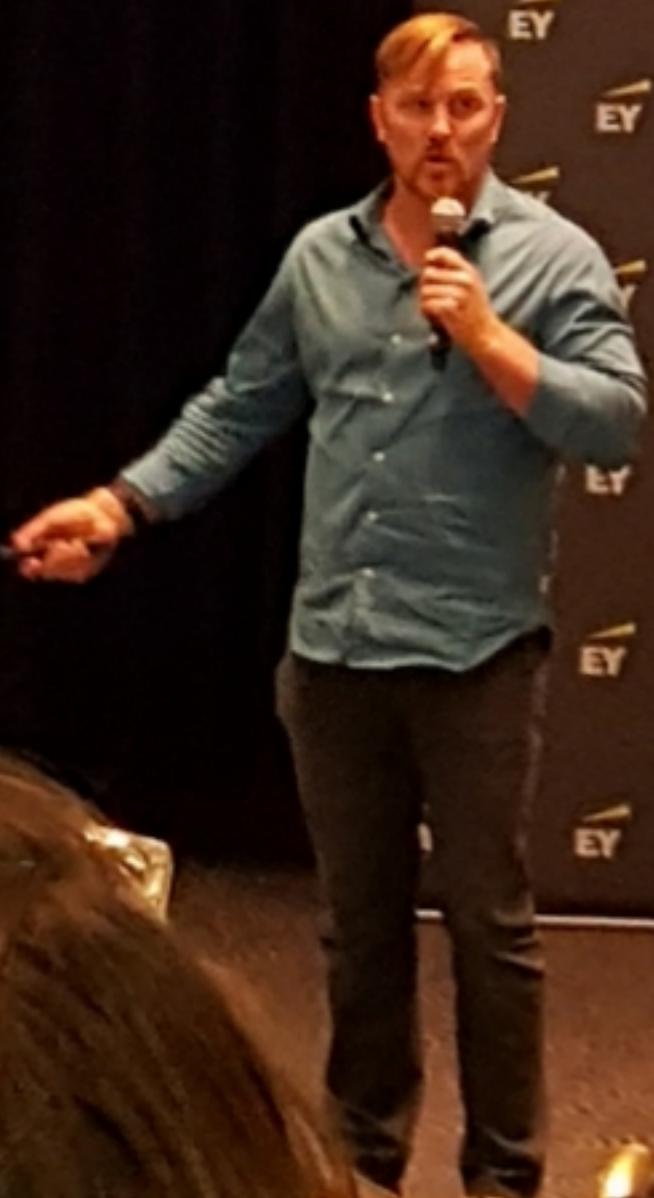
# POLYCHAIN CAPITAL

Blockchain & Energy Markets - Lessons Learned & Opportu



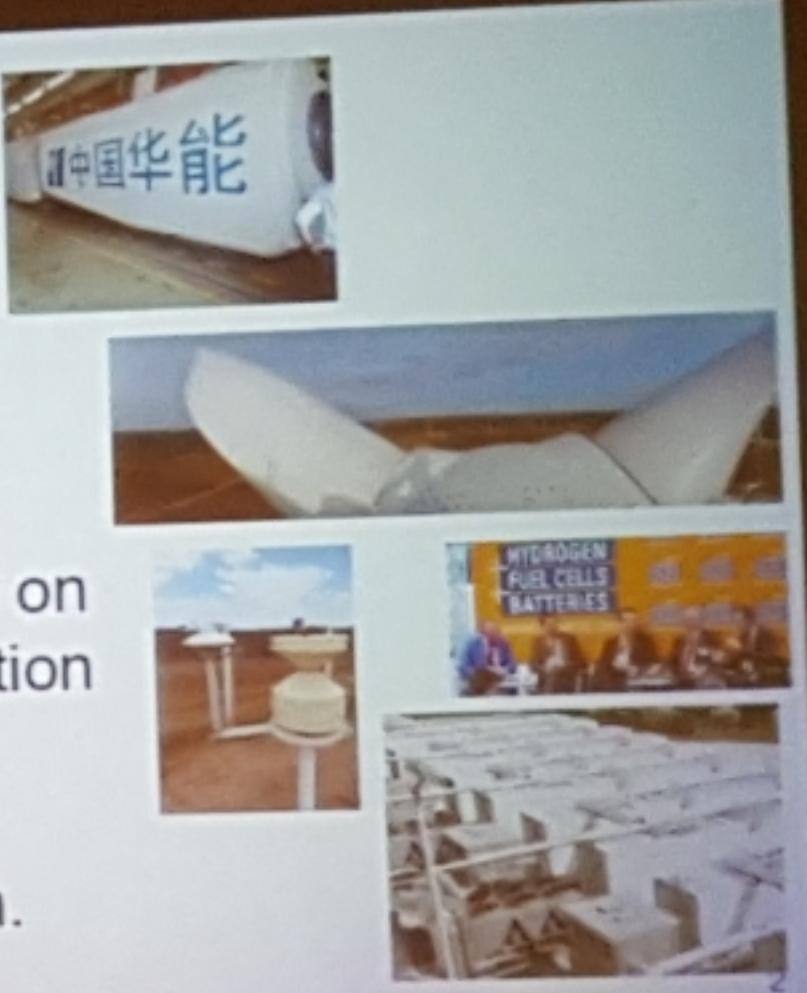
RICE | BUSINESS

Jones Graduate School of Business



## Background & Qualification

- Polychain Fund is a diversified portfolio of blockchain-based assets.
- Ryan Zurrer: 10 years in energy on 4 continents: renewable generation deployment, distribution, micro-grids, energy storage and emerging technology evaluation.



## Polychain Fund Thesis - Blockchain Tokens

- Blockchain technology is expanding far beyond Bitcoin. Decentralized consensus platforms, known as 'public blockchains', are set to disrupt a number of industries.
- Blockchain assets with unique attributes are emerging to power networks, companies, and contracts.
- Financial incentives for developers and P2P network participants that leverage public blockchains will lead to massive disintermediation and novel applications.
- Disproportionate gains will go to blockchain asset-holders at the protocol level, not necessarily companies built on the protocols.
- Blockchain token crowdfunds are often a more efficient way for entrepreneurs to raise early-stage capital than traditional venture capital and a more liquid asset-class for early-stage investors.

## Lessons Learned from a decade in energy

- Understand that development timelines in (electric) energy are dramatically longer than blockchain (or many other industries).
- Smart meter penetration 24% in the US (67.4 million) and approx. 9% globally (Bloomberg New Energy Finance & [census.gov](#))
- However 92% of utilities surveyed globally intend to invest in digitization of their grid in the next 12 months.

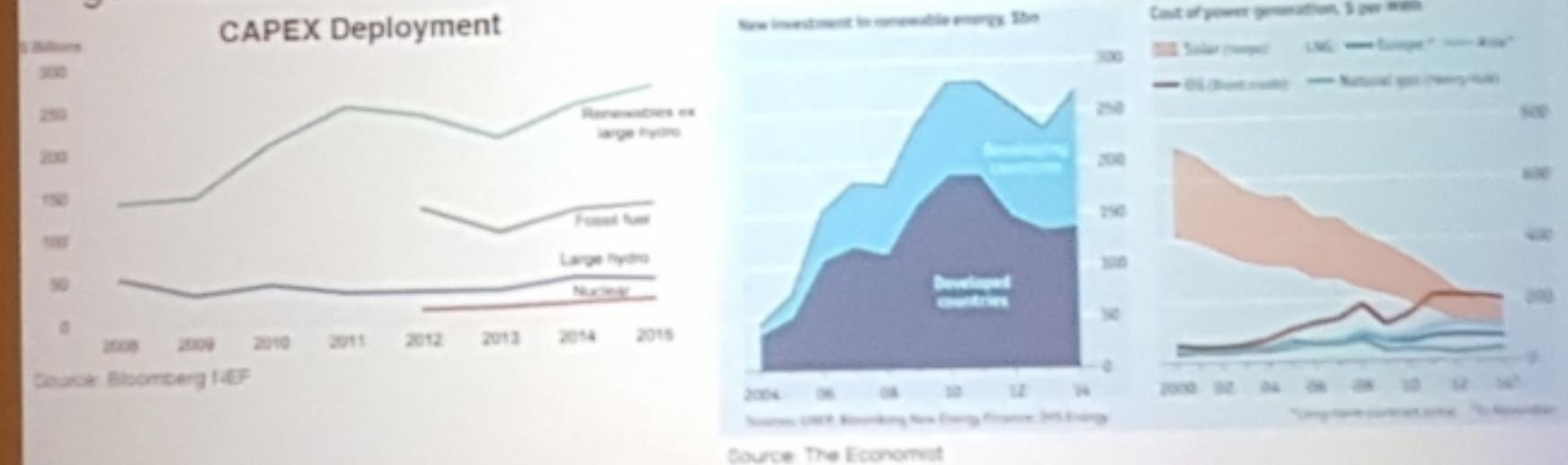


## Lessons Learned from a decade in energy

- Generally in a global context*, the energy value chain gets more constrained with state control as you go downstream:
  - Generation = open private market
  - Transmission = partially closed markets with state intervention
  - Distribution = regulated monopoly or fully state controlled
- Appreciate that incentives among decision makers can be skewed by their reality.
- Most IPPs and distributors have obligation to spend a certain percentage of revenue (0.5%-2.0%) on R&D. This represents literally billions of unused cash globally!

## Trends - Blockchain + Energy

- LCOE of solar + solid-state storage is approaching cost competitiveness with traditional base-load. >2025 solar + storage will be the primary generation solution with higher indices of distribution than we see today.



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## Trends - Blockchain + Energy

- Blockchain technology in current form (prior to state channels + PoS) can't be used for high frequency usage registry and trading. By 2019 this should change.
- Many different token models being developed. As a funding mechanism tokens offer very compelling options for investors and entrepreneurs.
  - The best tokens are central and crucial to the blockchain network they enable
  - Tokens should drive network effects and not extract value from the network
  - Funding mechanisms need to match the needs of the projects and reasonable timelines
  - Still lots of research and development needed around governance models

## Synergies & Opportunities - Blockchain + Energy

- **Low Hanging Fruit Applications:**

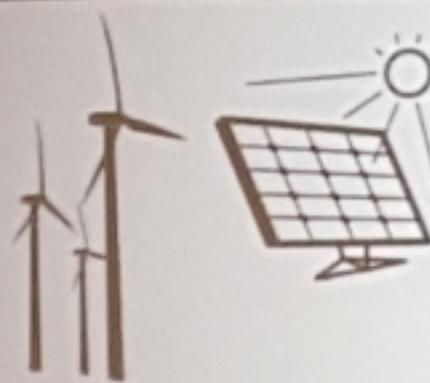
- Supply chain and asset tracking
- Co-op/Community crowdfunding and governance of mid-size energy projects (likely generation first)
- Incentivization of certain consulting work - "tokenized reputation"

- **Longer Term (but larger) Opportunities:**

- Decentralized energy trading across markets
- Dramatically more efficient carbon credit markets (stay tuned...)
- "Prosumer" energy balancing with distributed generation - distributed solar + electric car batteries + blockchain
- Distributed/community governance of energy mix and related assets

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## Today's Carbon Credit Market



**Scenario:**

- A wind project in Denmark
- A solar array in Spain
- A wind project in Brazil
- A chemical factory in China

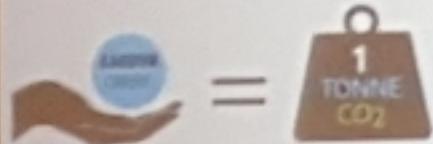
Adjusted Carbon Ratio is totally different for all three even on a comparative basis!

**Problem:** Incentives! - Brazilian, Spanish and Chinese carbon consultants are paid by the parties they must evaluate and use different methodologies and use different carbon ratios!

**Result:** Hyper inflation of Carbon Credits because Supply > X\*Demand

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## Distributed Validation Market for Carbon Credits



**Proposal:** Globally distributed technically capable "Collective of Verifiers" that evaluate, propose and then vote on inclusion of a project and the "Carbon Ratio Algorithm" applied to the project.

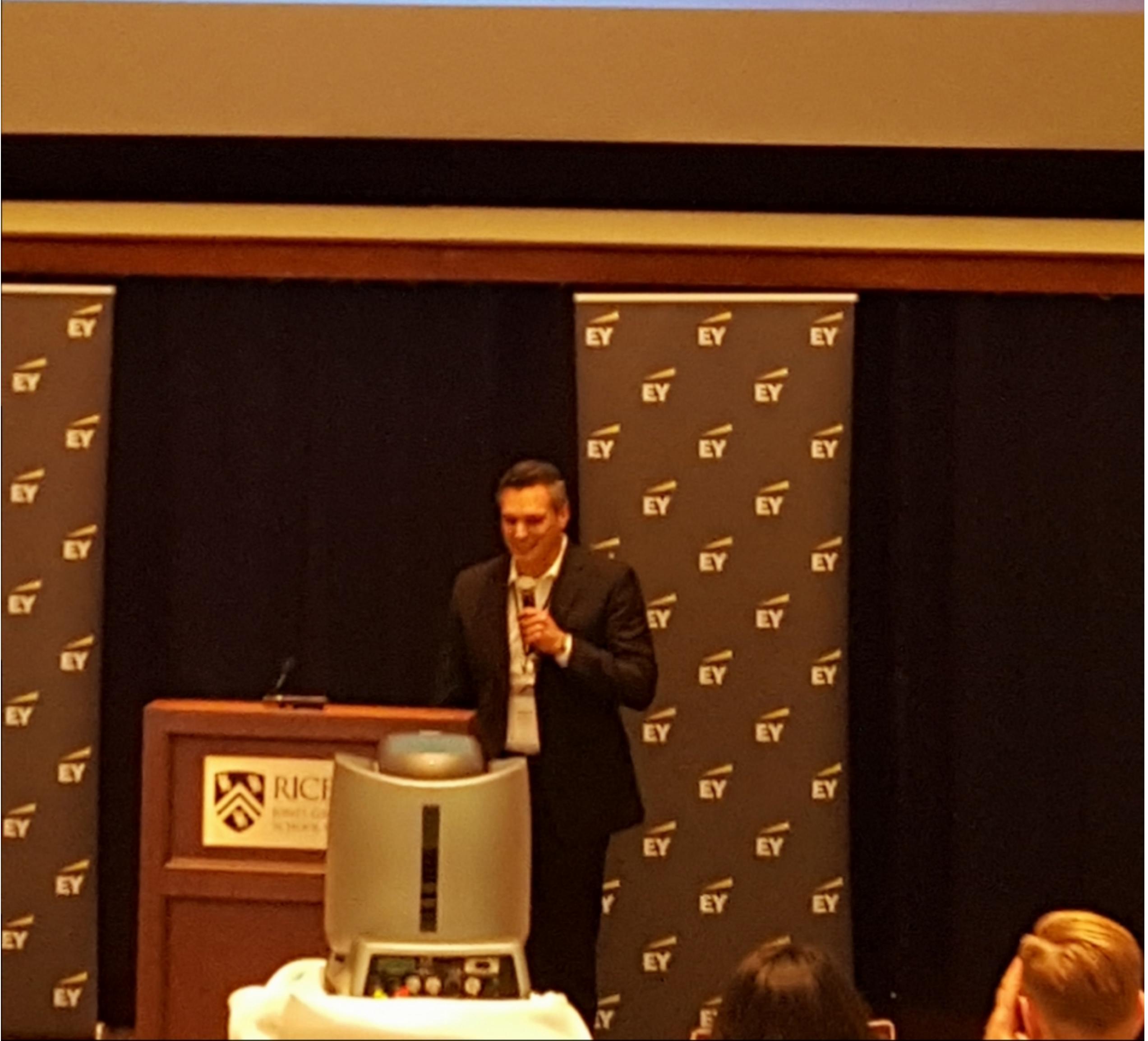
**Process:** Local Verifier reviews project and proposes to Collective a given carbon token distribution schedule based on the Carbon Ratio Algorithm to be confirmed by SCADA input. Collective approves and then credits (tokens) are distributed based on **actual environmental effect**.

- Emitters must acquire credits to retire in accordance with their emissions (also tied into SCADA). Credits are traded on a global distributed exchange.
- Verifiers are incentivized to onboard demand (emitters) more than supply (generators).
- Verifiers are paid a % of credits mined/retired over time.

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Volt Markets 의 Adam Richard 발표입니다. 전력 공급자와 수요자를 연결하는 탈중앙화된 시장을 만들겠다는 것인데요, 역시 이더리움의 영지식증명과 raiden network에 대한 기대감을 보여줍니다.

**Volt  
Markets**



## Benefits

Saves Time



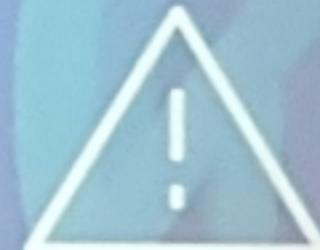
Transaction time  
from days to near  
instantaneous

Removes Cost



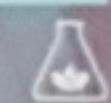
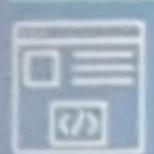
Overheads and  
cost intermediaries

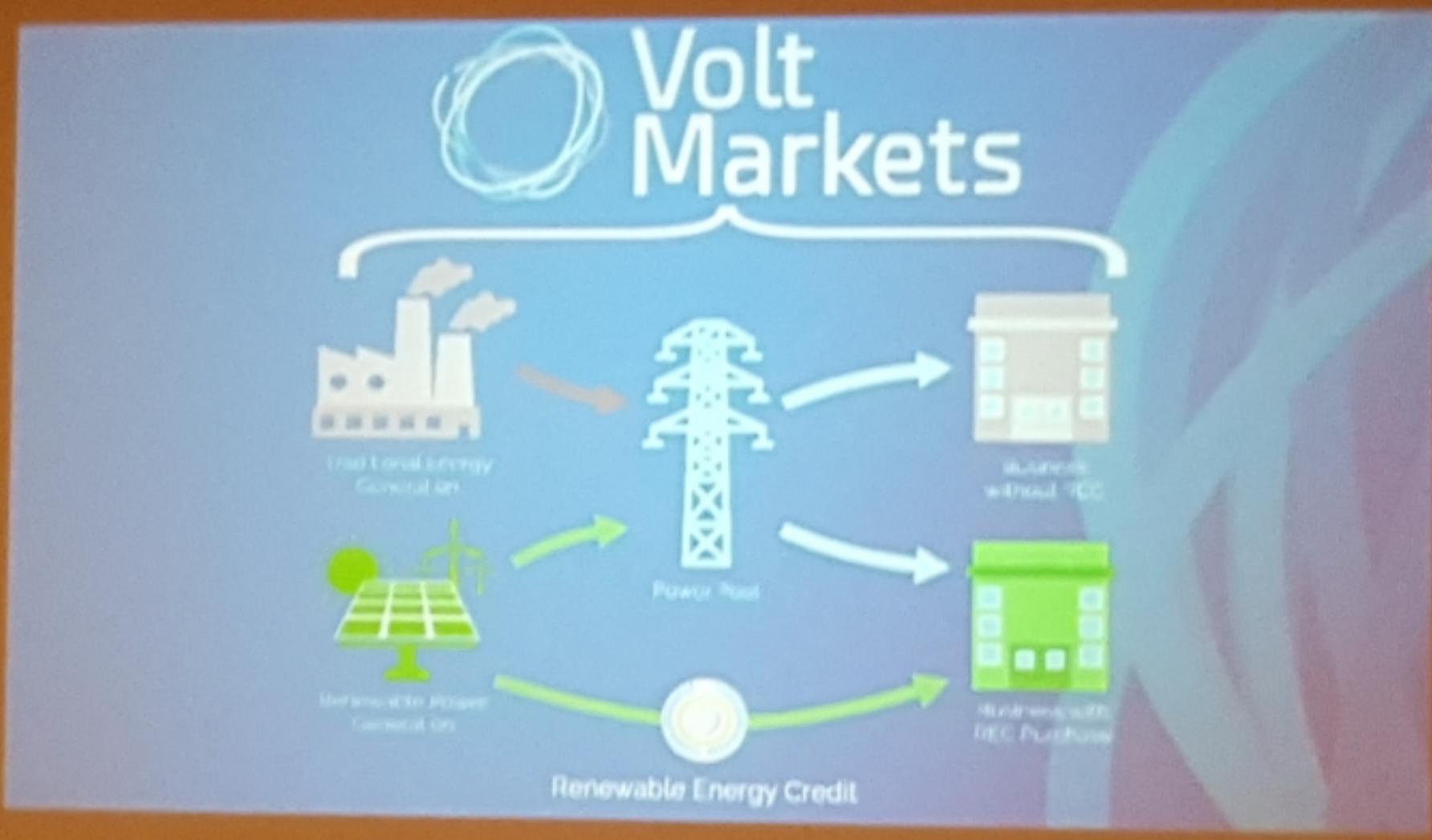
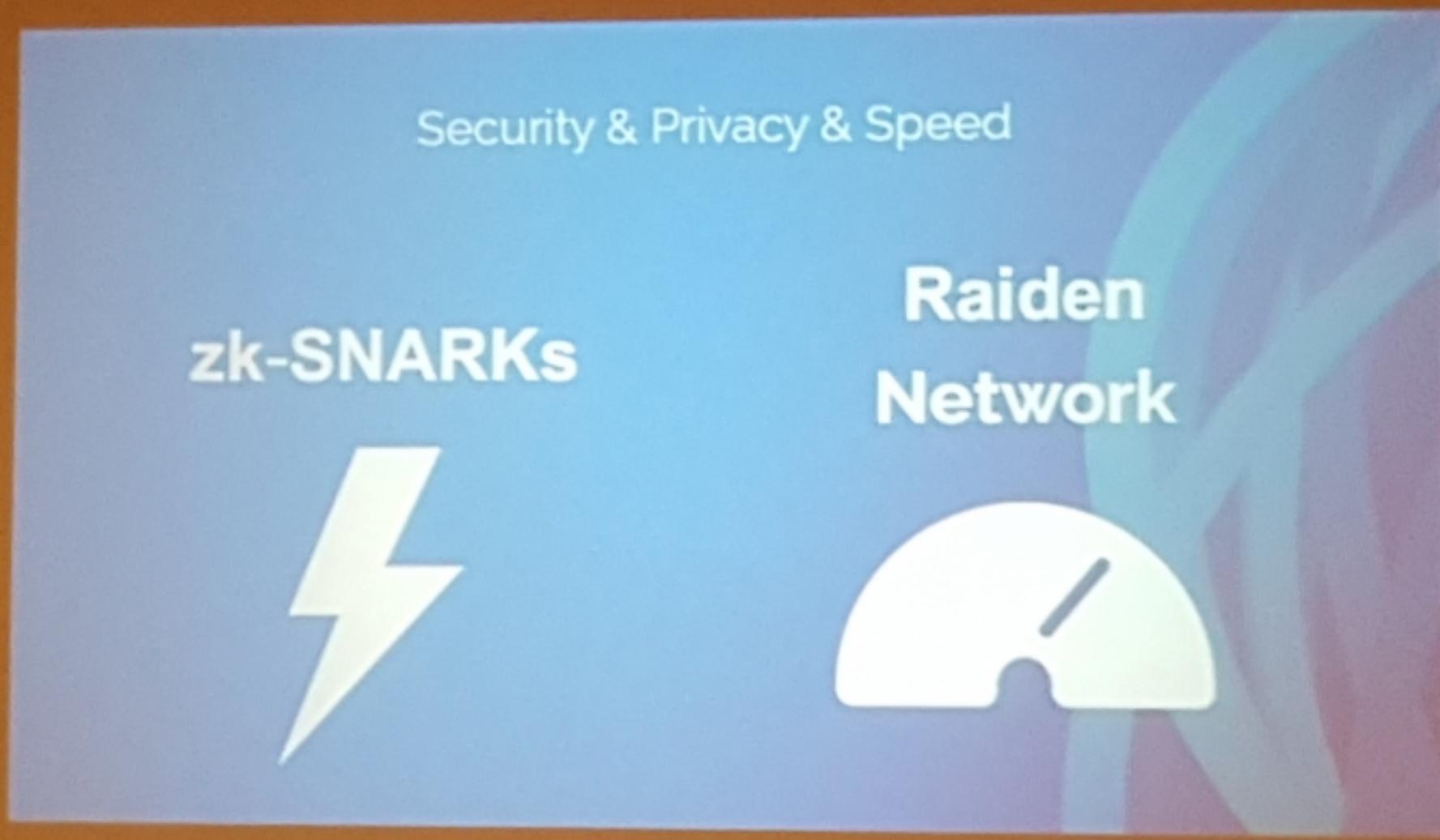
Reduces Risk



Tampering, fraud  
& cyber crime

## Value Chain

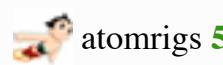




이로써 전체 컨퍼런스의 주요발표 내용을 요약했습니다.

이틀간 블럭체인의 세계에 빠져서, 유명한 사람들도 만나고 매우 유익한 시간이었습니다.

블럭체인과 이더리움이 이제 소수의 "긱"들의 전유물이 아니고, 전 산업에 걸쳐 전환기를 이루는 핵심 기술로 자리 잡아가고 있다는 확신이 들었습니다.



atomrigs 5,283 TALK 2d19FDE5B4Cac4e1AfA54ee749C368C68c18316c

여보슈! 당신의 살림살이도 비참한 모양인데 지금 가는 곳이 어디시우? 쓸데없이 돌아다니지 말고 우리 적당으로 들어와 한 뜻 보는게 어떻겠소? (역사 속의 야담 - 풍류열전)

## 댓글목록

loum 아이피 128.♡.226.♡ 작성일 17-04-28 15:29

좋은 정보 소개해주셔서 감사합니다.

목록

## 현재 강좌

전체	나도dApp개발	블록체인2.0	덕후들의 번역놀이	금마 마이닝	블록체인 매트릭스	로움의 암호화폐	까짓거 한번C	아침커피 컴파입문	기타
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Total 112건 1 페이지

RSS

번호	제목	글쓴이	날짜	조회	추천
공지	블록체인 2.0   라이스대 비지니스 블록체인 컨퍼런스 시리즈 목차 2	atomrigs	04-28	208	4
공지	공지   현재 강좌 이용 안내 2	CHAIINTALK	03-18	185	2
110	블록체인 2.0   라이스대 비지니스와 블럭체인 컨퍼런스 비디오 모음 1	atomrigs	05-03	112	0
열람중	블록체인 2.0   라이스대 비지니스 블록체인 컨퍼런스 (6) 1	atomrigs	04-28	104	0
108	블록체인 2.0   라이스대 비지니스 블록체인 컨퍼런스 (5) 1	atomrigs	04-28	98	1
107	블록체인 2.0   라이스대 비지니스 블록체인 컨퍼런스 (4)	atomrigs	04-28	86	1
106	블록체인 2.0   라이스대 비지니스 블록체인 컨퍼런스 (3)	atomrigs	04-28	114	1
105	블록체인 2.0   라이스대 비지니스 블록체인 컨퍼런스 (2)	atomrigs	04-28	204	0
104	블록체인 2.0   라이스대 비지니스 블록체인 컨퍼런스 (1) 10	atomrigs	04-27	575	10
103	덕후들의 번역놀이   블록체인덕후들의 프린스턴 블록체인교재 번역놀이 : 1장 (28P 끝 ~ 30P) 1	진리	04-18	368	1
102	금마 마이닝   바이오스타 TB250-BTC 보드의 특성 4	금마	04-07	441	3
101	덕후들의 번역놀이   블록체인덕후들의 프린스턴 블록체인교재 번역놀이 : 1장 (18P-21P) - 완료	하늘코인	04-02	523	1
100	덕후들의 번역놀이   프린스턴 블록체인 교재 번역 p31-p32	Culap	04-01	495	1
99	로움의 암호화폐   [특허] 제가 출원한 암호화폐 송금 관련 6	loum	04-01	620	0
98	로움의 암호화폐   다중 계정 등에 의한 시빌 문제 1	loum	03-29	359	2
97	로움의 암호화폐   합의 알고리즘에 대한 쉬운 설명 2	loum	03-29	470	0
96	로움의 암호화폐   Mastering Bitcoin 책 소개 4	loum	03-29	425	0
95	로움의 암호화폐   이더리움 엘로페이퍼를 잠깐 보고 든 생각....	loum	03-29	375	0

1 2 3 4 5 6 맨 끝

제목  검색