





Blockchain

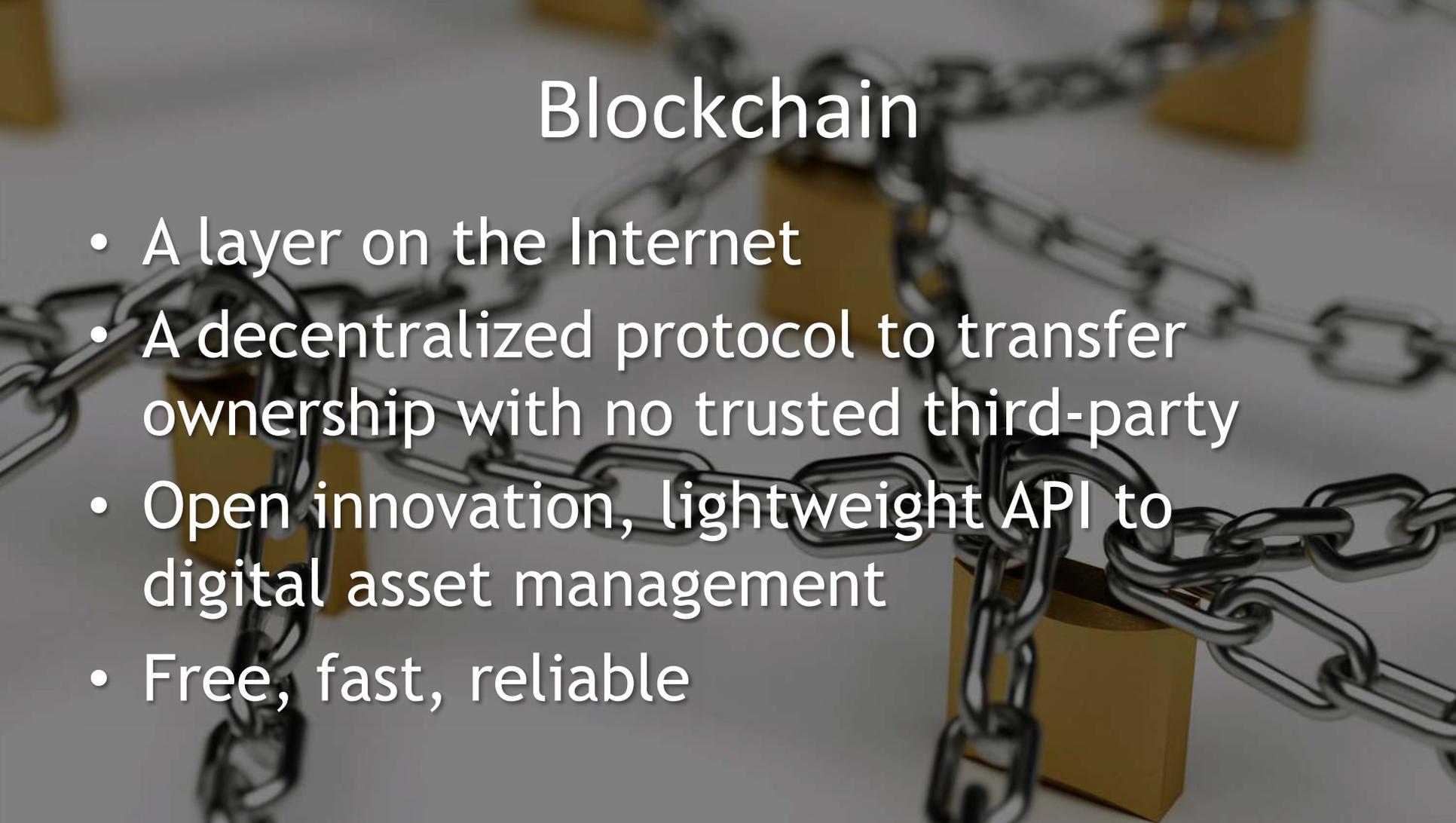
A paradigm shift for currencies, finance,
audit, lawyer and more

Laurent Kratz

Blockchain

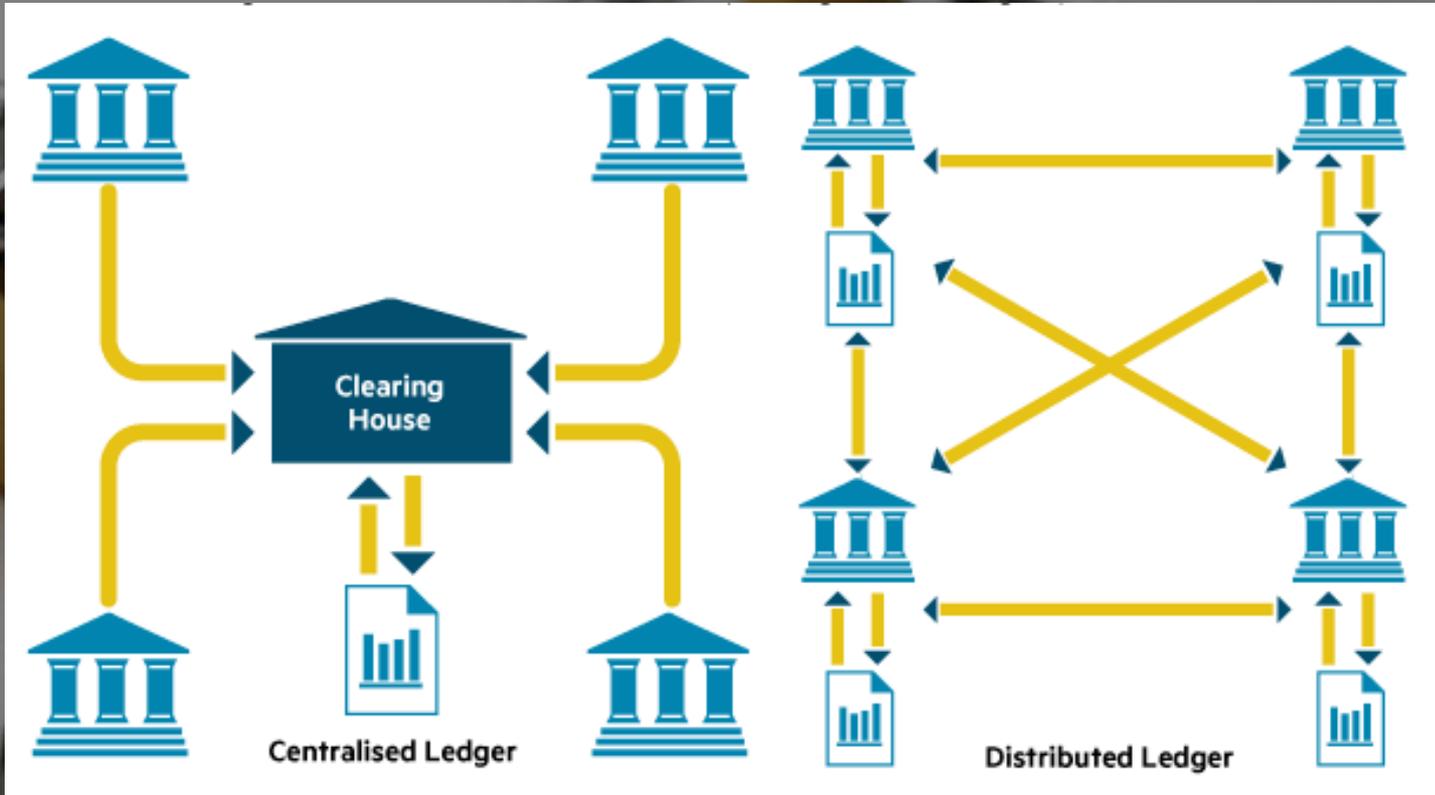
- Aka Distributed Ledger Technology
 - Shared rudimentary accounting system
- Technologically :
 - Distributed database - public ledger
 - *Insert, Select, Update, Delete*
 - Distributed computer - execute digital contracts
 - Based on p2p technology, cryptology & API

Blockchain



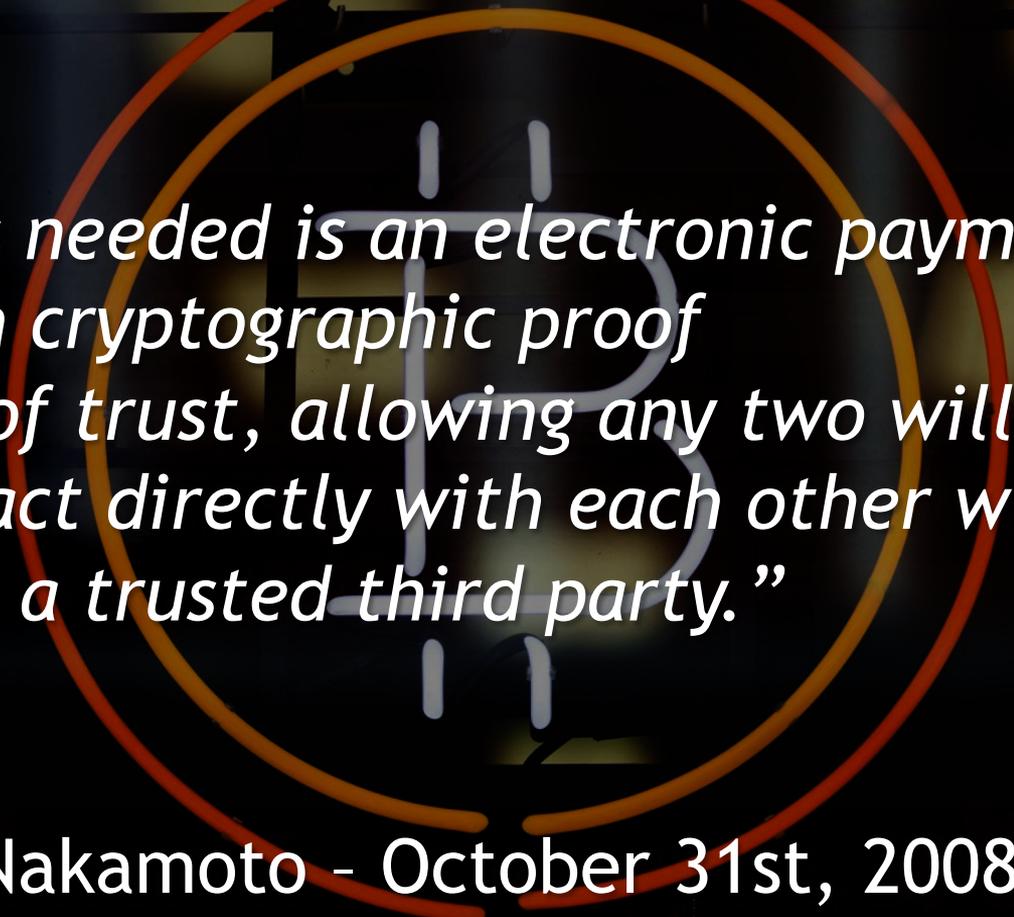
- A layer on the Internet
- A decentralized protocol to transfer ownership with no trusted third-party
- Open innovation, lightweight API to digital asset management
- Free, fast, reliable

Blockchain





ACCEPTED HERE

The background features a large, semi-transparent Bitcoin logo, which consists of a yellow circle with a black 'B' and two vertical lines through it, all enclosed within a red circle. The logo is centered behind the text.

“What is needed is an electronic payment system based on cryptographic proof instead of trust, allowing any two willing parties to transact directly with each other without the need for a trusted third party.”

Satoshi Nakamoto - October 31st, 2008

ACCEPTED HERE

Bitcoin

A large, semi-transparent Bitcoin logo watermark is centered in the background. It features a stylized 'B' with two vertical bars at the bottom, enclosed within a circle. The logo is rendered in a light blue/grey color.

- Digital / crypto currency, first asset based on Blockchain
- Used for remittance, speculation, store of value
- Used for drug/weapons ecommerce, ransom ware

ACCEPTED HERE



Bitcoin

Bitcoin Address



SHARE

18QX79xk761yLT2Y7v5qiQLvHdxdpvBKBhR

Private Key (Wallet Import Format)



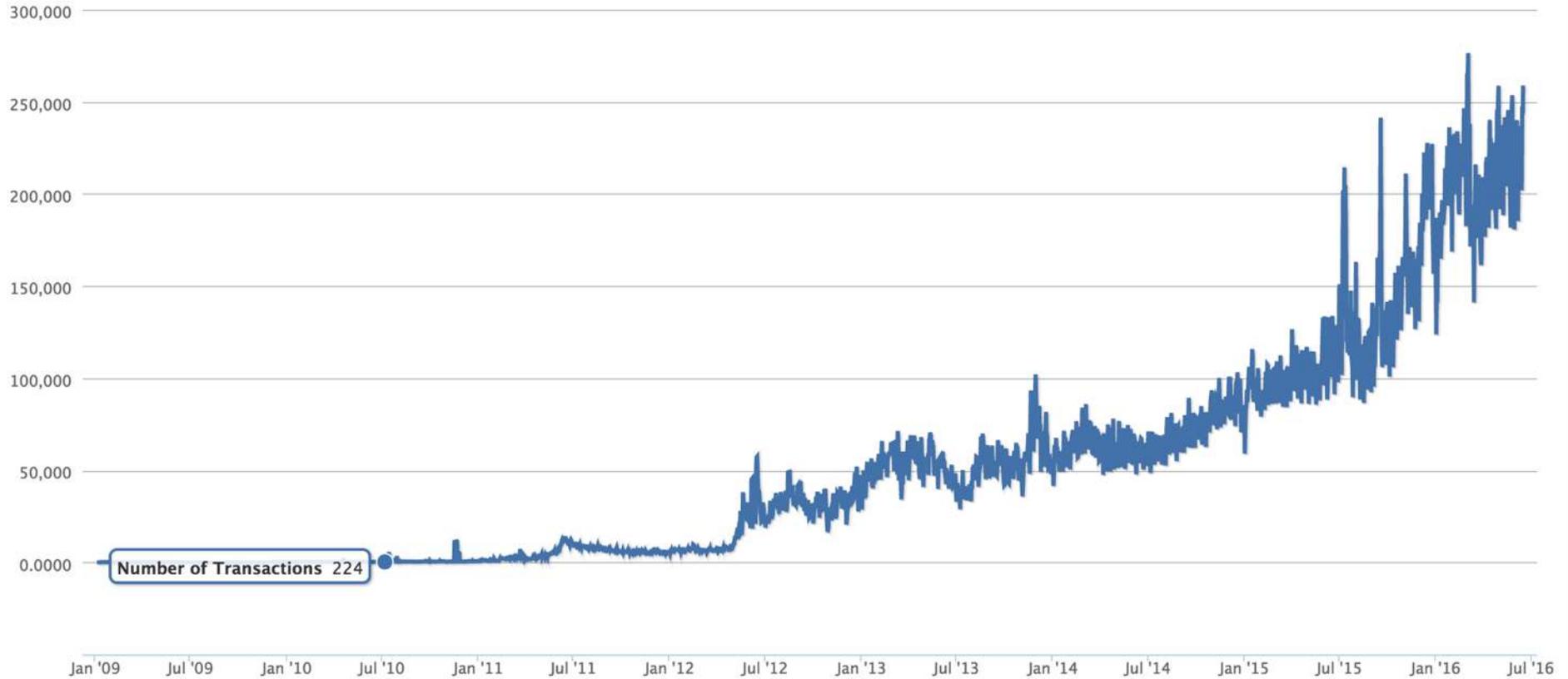
SECRET

5JSun3Hi6Z3j6K4REVXLRJfZYSygar1WoBBiCPHhe6ulUN4tVYr

ACCEPTED HERE

Number Of transactions Per Day

Source: blockchain.info





THIS HIDDEN SITE HAS BEEN SEIZED

by the Federal Bureau of Investigation,
in conjunction with the IRS Criminal Investigation Division,
in accordance with a seizure warrant obtained by the
United States Attorney's Office for the Southern District of New York
pursuant to 18 U.S.C. § 983(j) by the

Is Bitcoin legal ?

- New technology, Law applies
- EU Directive on Crypto-currencies
- Currency vs Asset, VAT
- BitLicense in NYC, CSSF in Luxembourg
- Public transaction ledger, anonymous accounts
- Bad guys get busted

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MANAGEMENT, COMPLIANCE & REGULATION FOR BITCOIN



- Risk analytics and scoring
- Real-time monitoring
- Advanced CRM dashboard
- Open API and tailored-made service

BLOCKCHAIN LOOKUP BETA

use this search bar if you need basic information about a Bitcoin **address**, **transaction** or **block**

addresses / transactions hash...



The project

We are currently building a Big Data infrastructure and services to offer valuable high-level information to business bitcoin stakeholders. We provide detailed exploration of s...

Offers

We define our services...

om
om

18b7...

18fH...

1A34...

Kraken.com

1Ksm...

Kraken.com

14p2...

Kraken.com

1Jiz...

Paymium.com

Paymium.com

Paymium.com

Paymium.com

Paymium.com

current

1Ja5...

1M5T... (unspent)

13zW... (unspent)

1HJd...

1CY2...

1Cxq...

1HeQ...

1BcE...

15mk...

1P2V...

1NsD...

1A2m...

1HTP...

14Xk... (unspent)

19vC...

16kM...

12IA...

1CN9...

1AYT...

17zx...

1L6j... (unspent)

1P6P...



"Bitstamp.net" entity internal ID: oZ

166,231 addresses | specific notice for this entity

BTC USD EUR

1,234.56 1234,56

Balance - USD

247,155,988.26

Sent - USD

7,224,546,625.59

Received - USD

7,471,702,613.85

Total Transactions

1,821,718

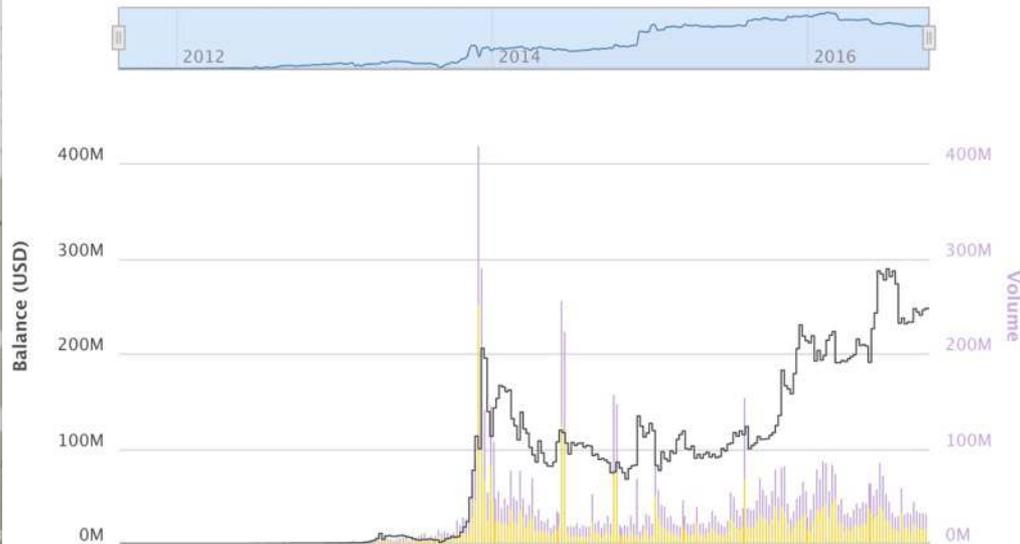
Scorechain Index ⓘ

84

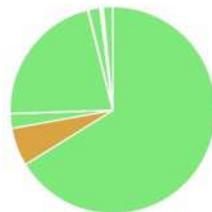
Balance Sent Received Transactions

August 16, 2011

October 4, 2016



Direct Entity Input since Oct 2, 2016 ⓘ



■ Others ■ MIXING ■ Huobi.com ■ BX.in.th
■ Xapo.com ■ Bitfinex.com ■ CoinPayments.net
 ▲ 1/7 ▼

In-depth Entity Identification ⓘ

Beyond Bitcoin

- Execute "smart" digital contracts
- Implement multi-signatures
- Represent physical assets (tokenization)
- Payment, clearing, insurance, escrow / notary, fund industry, trust management, auditing / accounting, securities

R3 is an innovation firm focused on building and empowering the next generation of global financial services technology.

of experience and deep networks within the financial services community to empower innovators, promote positive market transformation on a global scale



fundchain.lu

FUNDCHAIN



FUNDCHAIN
Blockchain Research Initiative for the Fund Industry



Blockchain in Asset Management

- Registry, Settlement, Subscription, Redemption of digital assets are genuine functionalities of the blockchain
- Trailer fees, Withholding taxes are smart contracts
- Team play to get to network effect

INITIATED BY



FOUNDING MEMBERS



Banque Internationale à
Luxembourg



BNP Paribas



CACEIS



European Fund Administration



HSBC



ING Luxembourg



Pictet



PwC Luxembourg



The future of audit

- Distributed Ledger with strong cryptographic algorithm
 - Authenticated access
 - Non-repudiation transaction journal
 - Self settled messages
- Embedded reconciliation
 - IoT, Disintermediation

ACCEPTED HERE

Smart Lawyers

- Pseudonymity, Public & Transparent
 - Digital Identity
 - Privacy
 - You own your virtual you
 - Right to be forgotten
- Smart contracts
 - Distributed execution/jurisdiction
 - Lawyers engineers

ACCEPTED HERE

Distributed Governance

The DAO

The DAO's Mission: To blaze a new path in business organization for the betterment of its members, existing simultaneously nowhere and everywhere and operating solely with the steadfast iron will of **unstoppable code**.



The Mother of all DAOs
Created Once. Endless
opportunities.

DAOs will be at the center of many economies

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