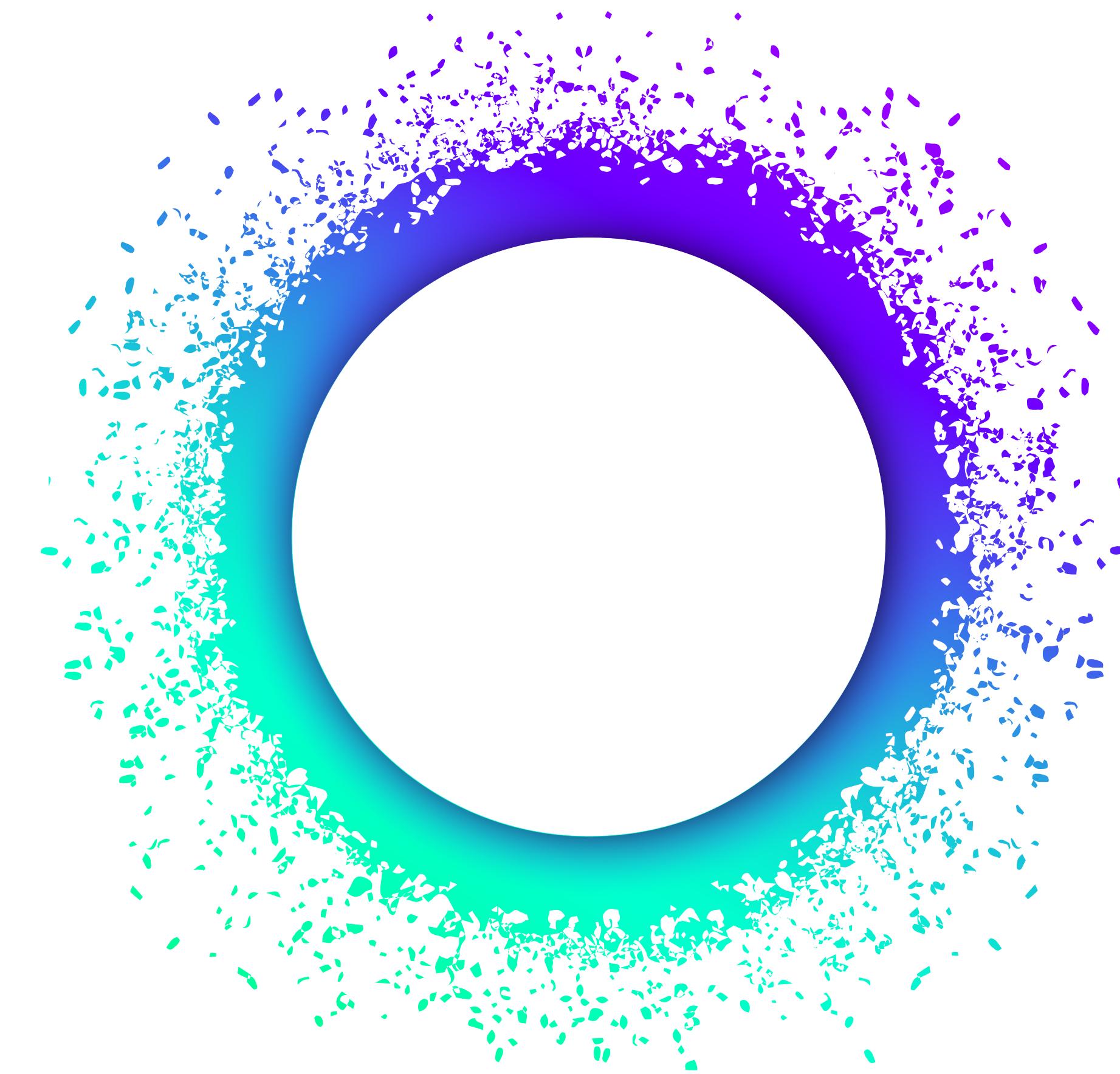


HOLOCHAIN MEET UP - SINGAPORE 30 NOV 2018

THINK OUTSIDE THE BLOCKS



WE ARE IN THE MIDST OF A COLLECTIVE
CHANGE

BEING HUMAN

EACH OF US HAS A
UNIQUE OFFERING

AND WE CONNECT WITH
ONE ANOTHER IN
UNIQUE WAYS



THE ENERGY FLOW

Yin:

Source of energy

Nature:

sunlight, air, water, fire,
plants, animals



Yang:

Use of energy

Ideation, creativity, execution

Hustle, movement, expression

Nurture:

rest, love, harmony,
compassion, kindness, joy, play

Not everything can be 'valued' economically i.e through 'money'

Some things are intangible and speak a language of resonance

CAPITALISM - THE 'CENTRALISED' ONE-DIMENSIONAL SYSTEM



Profitability



QUANTITY



FOMO

THE SURVIVAL TOOLS - MASKS



Distrust

Greed

Violence

The prize: Money, the only 'Current-See'

THE RESULT

A DISTORTED HUMAN JOURNEY

NO LEARNING NO ADAPTION



THE LOST BATTLE

THE INTERNET



WHAT WAS MEANT TO BE
**DECENTRALISED
INTELLIGENCE,**
BECAME CONTROLLED AND
RESULTED IN

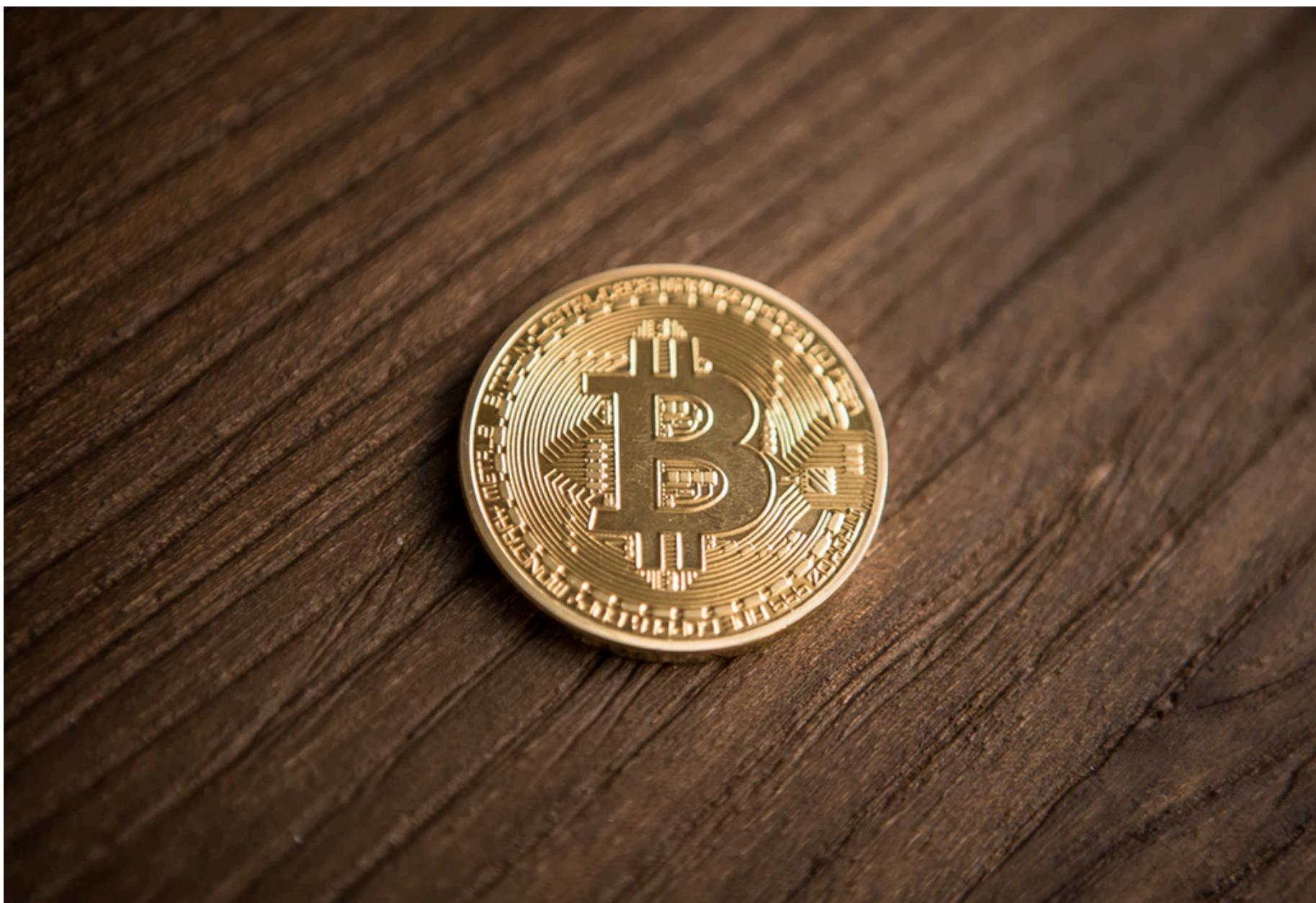
- Centralised corporate greed
- Exponential consumerism
- Indispensable tech giants
- Short term, dopamine driven feedback loops





2008 saw both a breakdown of trust with the collapse of sprawling financial markets, and the birth of a new model for trust with **Blockchains**, and **Cryptocurrencies**.

THE REBELLION
BITCOIN



THE OUTCOME
BLOCKCHAIN TECHNOLOGY
DISTRIBUTED LEDGERS
CRYPTO CURRENCIES
PEER - TO - PEER TRANSACTIONS



The innovators, and change makers of this world got excited about the new possibilities to organise collectively, and exchange value.

BANKING WITHOUT BANKS,
BORROWING WITHOUT LOANS,
FUNDING WITHOUT EQUITY...

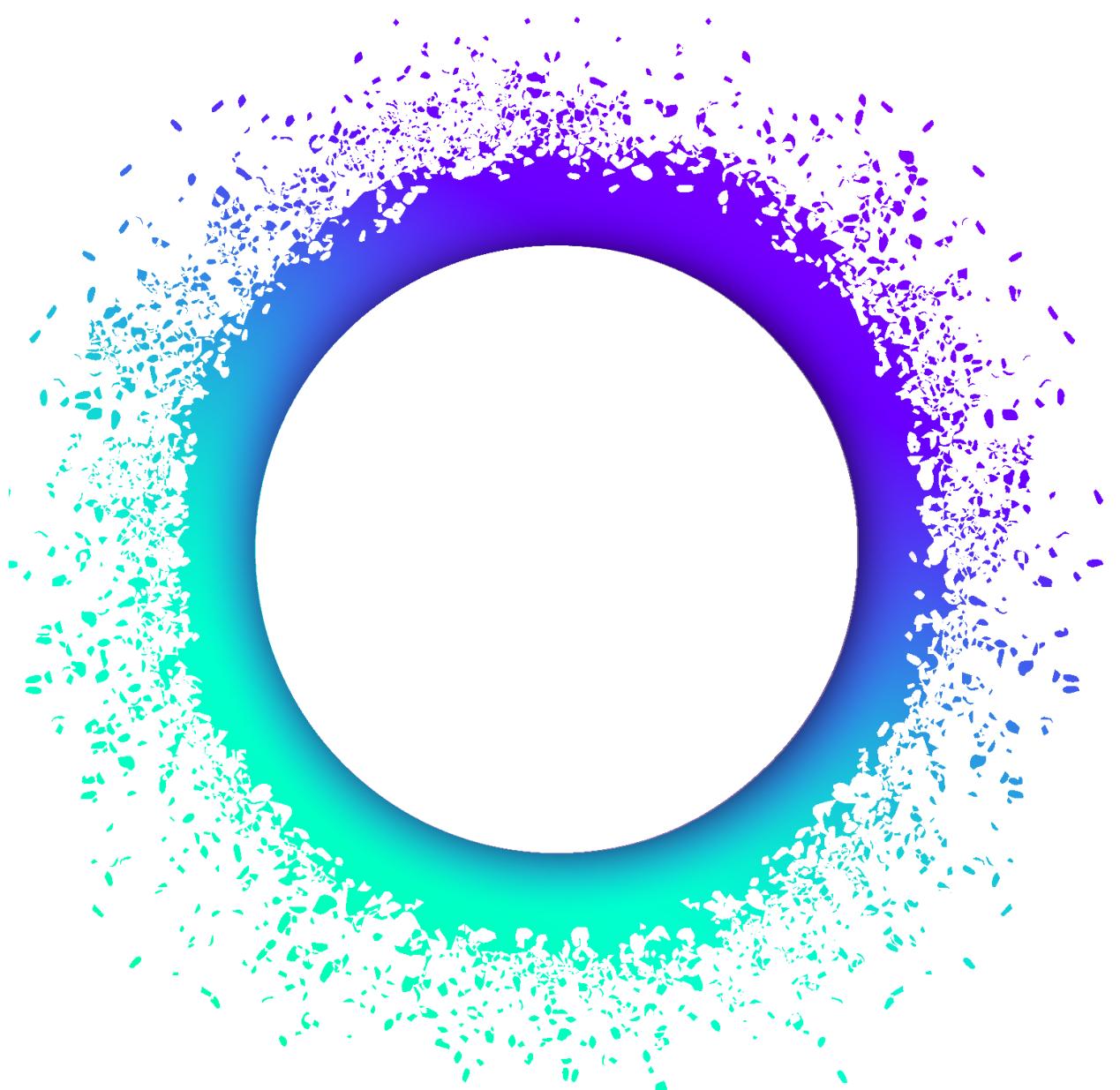


WHAT THE STORY LEAVES OUT IS THAT BLOCKCHAIN CANNOT DELIVER ON ITS PROMISES OF A DECENTRALISED WORLD.

THE EVOLUTION HOLO CHAIN

*"To empower communities of all shapes,
flavours and sizes, to organise themselves and
their flows of resources more effectively"*

- ARTHUR BROCK

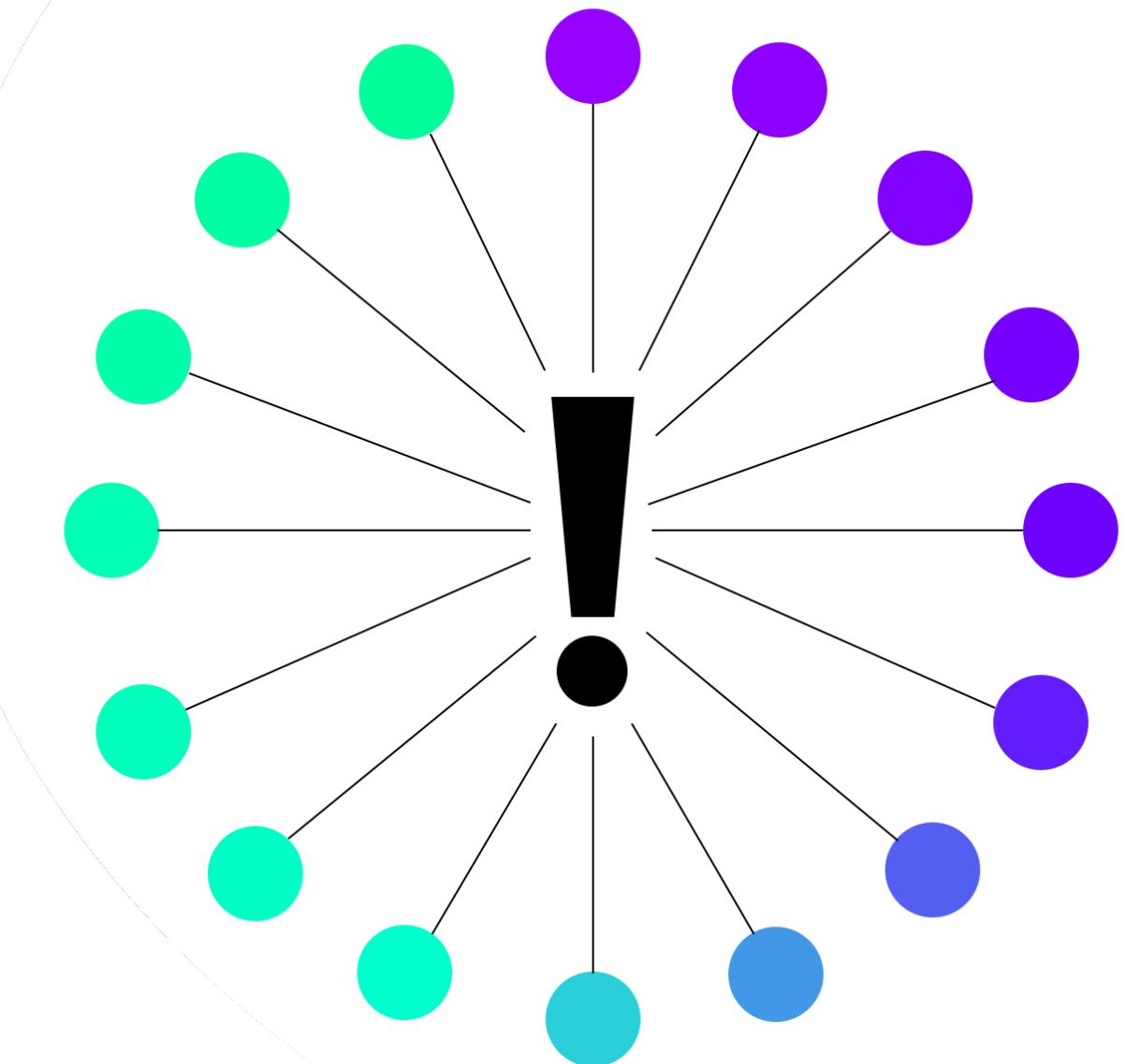


HOLOCHAIN ELIMINATES BOTTLENECKS THAT MAKE BLOCKCHAINS UNFIT
TO BUILD THE DECENTRALIZED WORLD WE WANT.

HOW IS IT DIFFERENT FROM BLOCKCHAIN?

Blockchain

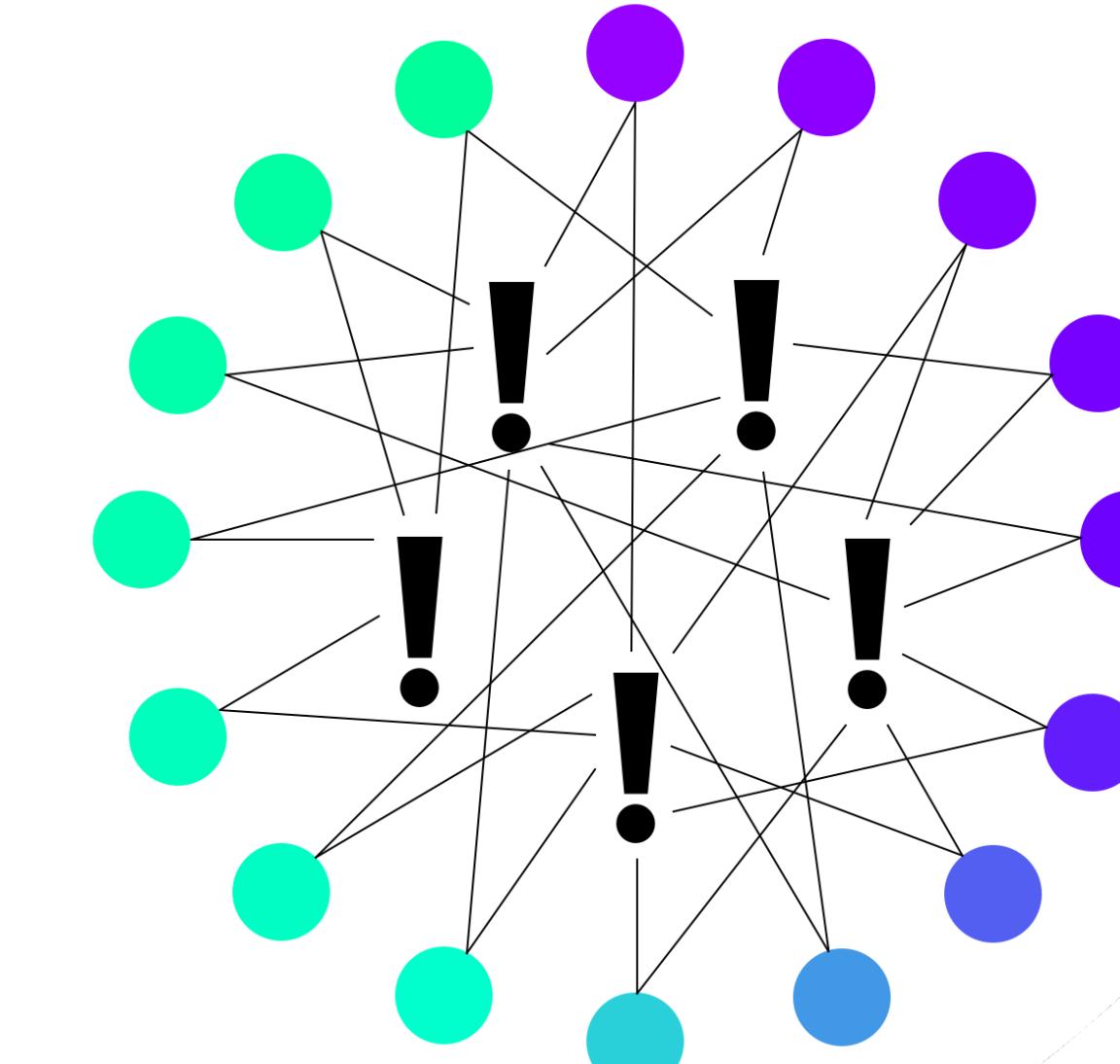
"many eyes looking at **the same** problem"



- **Centralized network wide consensus**
- 99.9% of the data is discarded
- Network MUST update in unison, creating a supercomputer that can only process 1 perspective
- Trust is network-wide or bust

Holochain

"many eyes looking at **different** problems"



- **Distributed network for individualised validation**
- All data is held and is considered valuable
- Network updates in parallel instead of unison
- Trust generated on an individual level

SHIFT FROM NETWORKS TO ECO-SYSTEMS

FOR ARCHITECTURE

HOLO IS DOING TO AMAZON WEB SERVICES WHAT UBER DID
TO TAXIS

HOLOCHAIN CAN DO FOR YOUR COMPUTERS/ CELLPHONES
WHAT AIRBNB DID FOR HOMES WITH SPARE ROOMS

FOR CREATING VALUE

CURRENT SYSTEMS ARE BUILT FOR NETWORKS THAT US TO USE
THEIR LANGUAGE TO ACCESS WHAT THEY OFFER

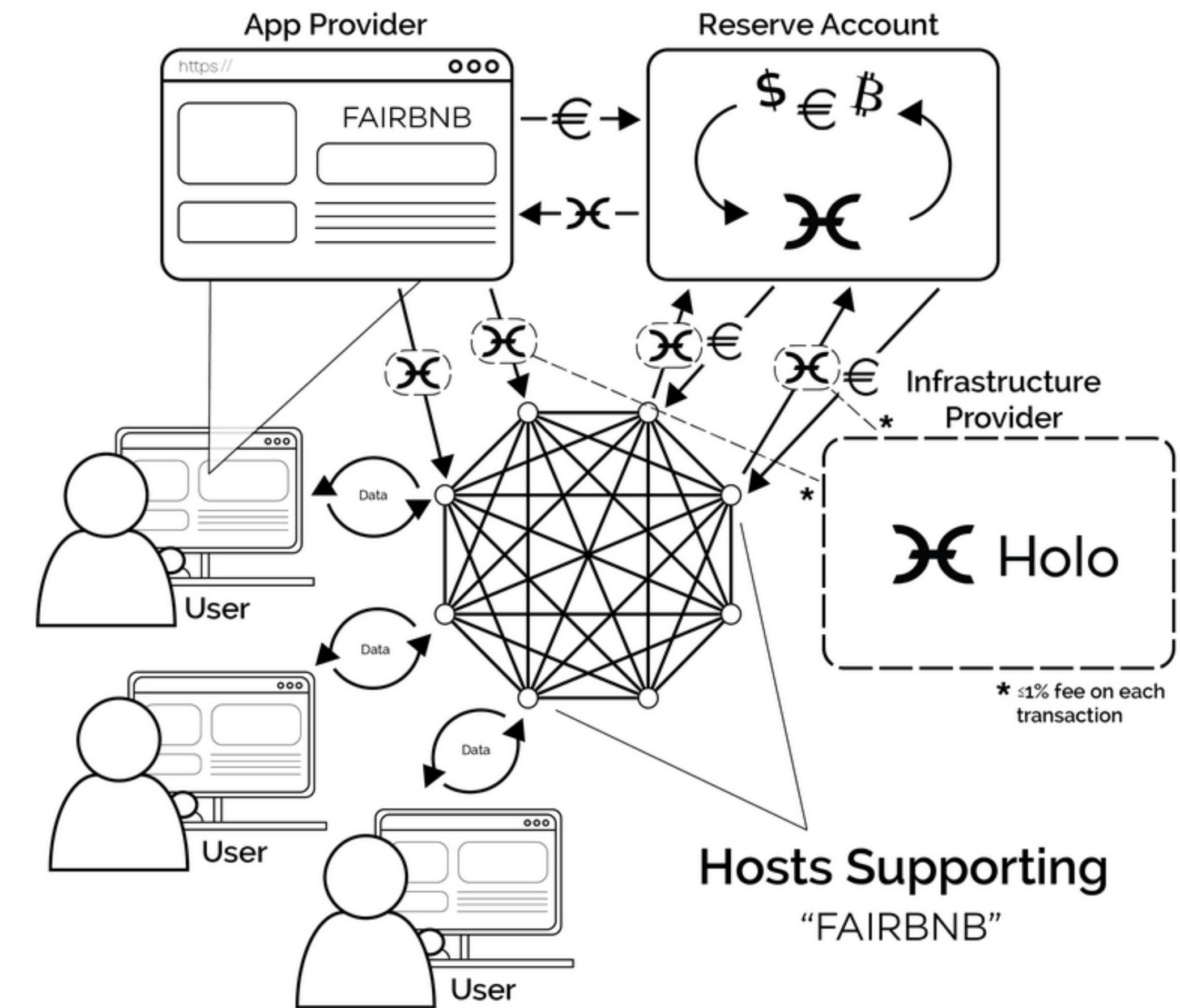
HOLO ENABLES US TO CHOOSE THE LANGUAGE WE WANT TO
RELATE AND COMMUNICATE WITH ONE ANOTHER DIGITALLY-
CREATES A NEW WAY OF COMMUNICATING WITH ONE ANOTHER

FROM APP CENTRIC TO HUMAN CENTRIC

THE ECO-SYSTEM



MUTUAL CREDIT SYSTEM FOR A VALUE
STABLE CURRENCY:
HOLOFUEL



THE ECOSYSTEM: HOLO + HOLOCHAIN

HOLOCHAIN

Focus: Decentralized computing

Nature: Open sourced Cryptographic fabric

Goal: data integrity across unlimited peers
without requiring consensus

USE HOLOCHAIN IF YOU WANT TO:

- OWN YOUR DATA
- CONTROL YOUR IDENTITY
- HAVE AUTOMATIC BACKUPS
- CUSTOMIZE YOUR USER EXPERIENCE
- CHOOSE HOW TO CONNECT YOUR APPS
- DECIDE WITH WHOM TO SHARE YOUR PRIVATE INFO
- TRANSACT WITHOUT DEPENDANCE ON BANKS OR GOVERNMENTS

HOLO

THE BRIDGE BETWEEN HOLOCHAIN AND THE WORLD WIDE WEB HOSTING
EXISTING CENTRALISED SYSTEMS AKA APPS. LIKE THE AIR BNB FOR
STORAGE

HOW IT WORKS

Like the human body:

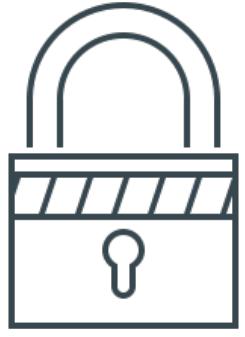
A co-ordinated symphony of
decentralised **cells**

It relies on collaboration and collective
intelligence, just like how we use
language

With agile structures that enable the
language of **resonance**

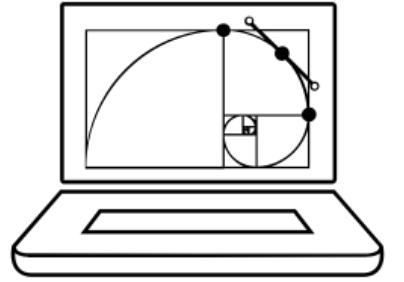


HOLOCHAIN IS LESS VOLATILE THAN A TRADITIONAL BLOCKCHAIN BECAUSE THE ARCHITECTURE IS:



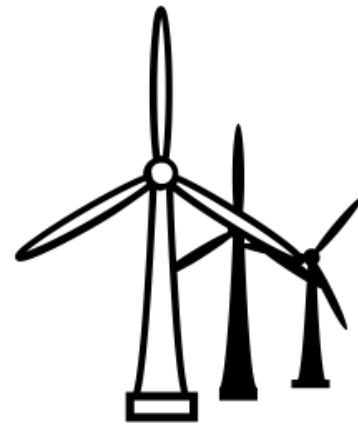
secure

- Distributed architecture
- No centralized points of failure
- Larger and more complex attack surfaces



scalable

- Network efficiency increases parallel to scale
- Incentive driven network capacity
- Virtuous feedback loops keep capacity in step with demand



energy efficient

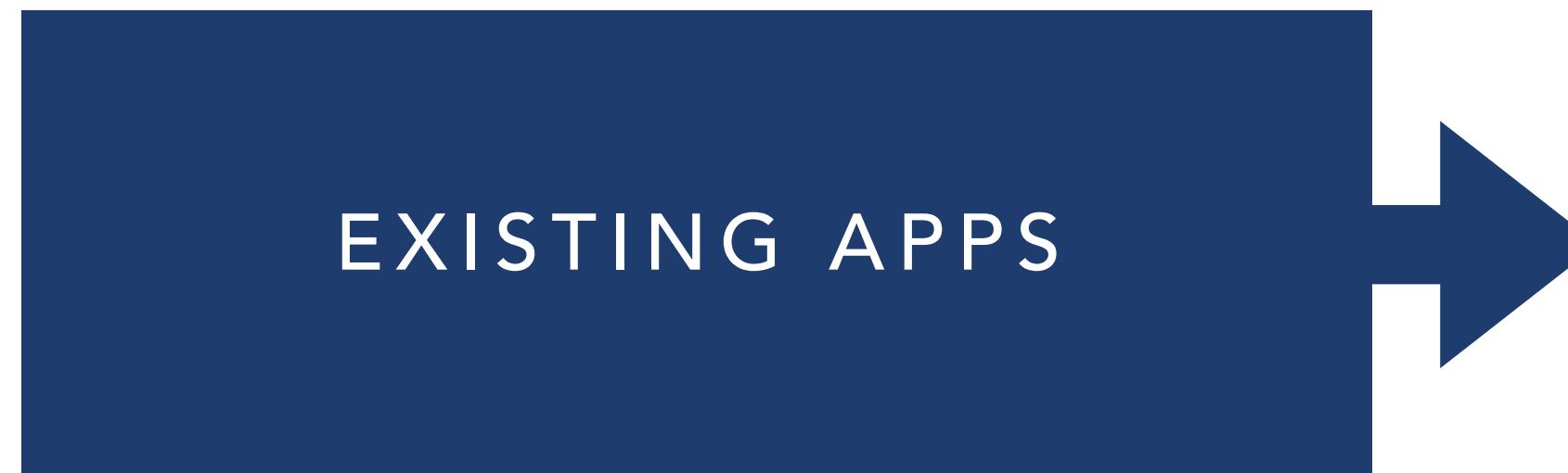
- No consensus = no expensive hardware needed for validation
- No outrageous power costs to run the equipment
- Lightweight enough to run on mobile phones and IoT devices



pocket friendly

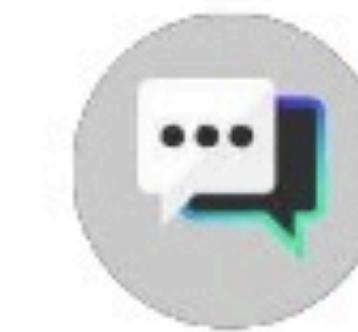
- Cheap transactions:
Cost on Ethereum: \$10,000
Cost on Holochain: \$1
- Cheap development: No smart contract developer scarcity: just javascript and Rust
- Cheap hosting due to network effect

THE APPLICATIONS



CLUTTER

Distributed version
of Twitter



HOLO CHAT

Multi-room P2P chat
(like distributed Slack)



FRACTALWIKI

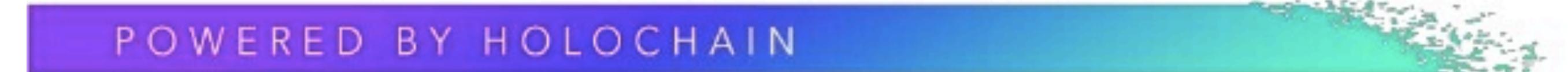
A hierarchical Wiki



COINTOSS

App for trustable
random initiation

POWERED BY HOLOCHAIN



IoT

- Smart Homes
- Wearables
- Smart Grid
- Smart City
- Smart Supply Chain

ARTIFICIAL INTELLIGENCE

- Financial Management
- Robotic Automation
- Customer Service
- Data Analytics
- Medical Applications

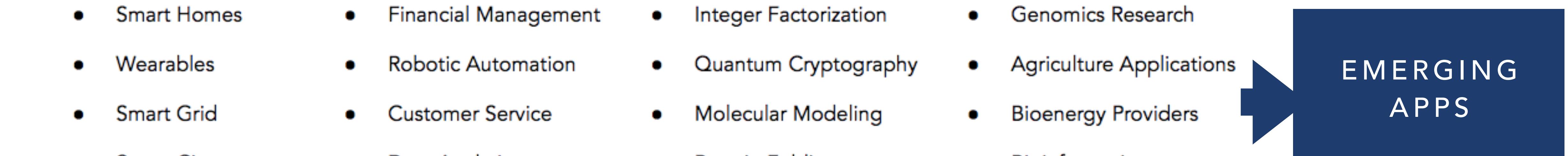
QUANTUM COMPUTING

- Integer Factorization
- Quantum Cryptography
- Molecular Modeling
- Protein Folding
- Genomics Research

BIOTECHNOLOGY

- Genomics Research
- Agriculture Applications
- Bioenergy Providers
- Bioinformatics
- Chemical Engineering

EMERGING APPS



EMERGING APPLICATIONS

- **A rideshare app** run by riders and drivers, without a monopoly in the middle dictating terms. Holo hosts would get paid for helping host a website where anyone can book a ride.
- **An Emergency Response app** to coordinate in the aftermath of a disaster, without needing a connection to a Silicon Valley data center. Unlike today's centralized applications, apps on Holo run just fine on a local network, or an on-the-fly mesh deployment.
- **A community of rural homeowners** who generate, store, and share electricity using solar panels, windmills, small water turbines, and backup batteries. Holochain is designed to handle exactly these sorts of micro-transactions.

WHY IT WORKS

Its easy

Its agile and light

We intuitively know how this works

Evolved collaboration tools that can install new shared protocols instantly

**AN EXPLOSION OF NEW
LIFE AND NEW
PATTERNS OF
COLLECTIVE
INTELLIGENCE**

STAYING CONNECTED



[HOLO HOST](#) - WHITELISTING/ICO INFO & TECHNICAL PAPERS

[INDIEGOGO](#) - HOLOPORT HOSTING BOXES & PERSONAL DEVELOPER TRAINING

[HOLOCHAIN CHAT](#) - CONNECT WITH DEVELOPERS AND SHARE IDEAS

[HOLOCHAIN.ORG](#) - UPCOMING GLOBAL HACKATHONS AND OTHER NEWS

“The past is our definition. We may strive, with good reason to escape it, or to escape what is bad in it. But we will only escape it by adding something better to it.”

-WENDELL BERRY

Thank you for your presence

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