

OBADA

the Open Blockchain for Asset Disposition Architecture

A standard for representing *Physical Assets as Digital Assets.*

An open platform that allows IT Resellers and Service Providers to track your stuff, so that you can offer chain-of-custody services to your customers.

Built and run by stakeholders in the asset disposition sector.
Based on an open data standard stewarded by the **OBADA Foundation**, a 501c(6) nonprofit.

ASCDI Webinar

November 2021

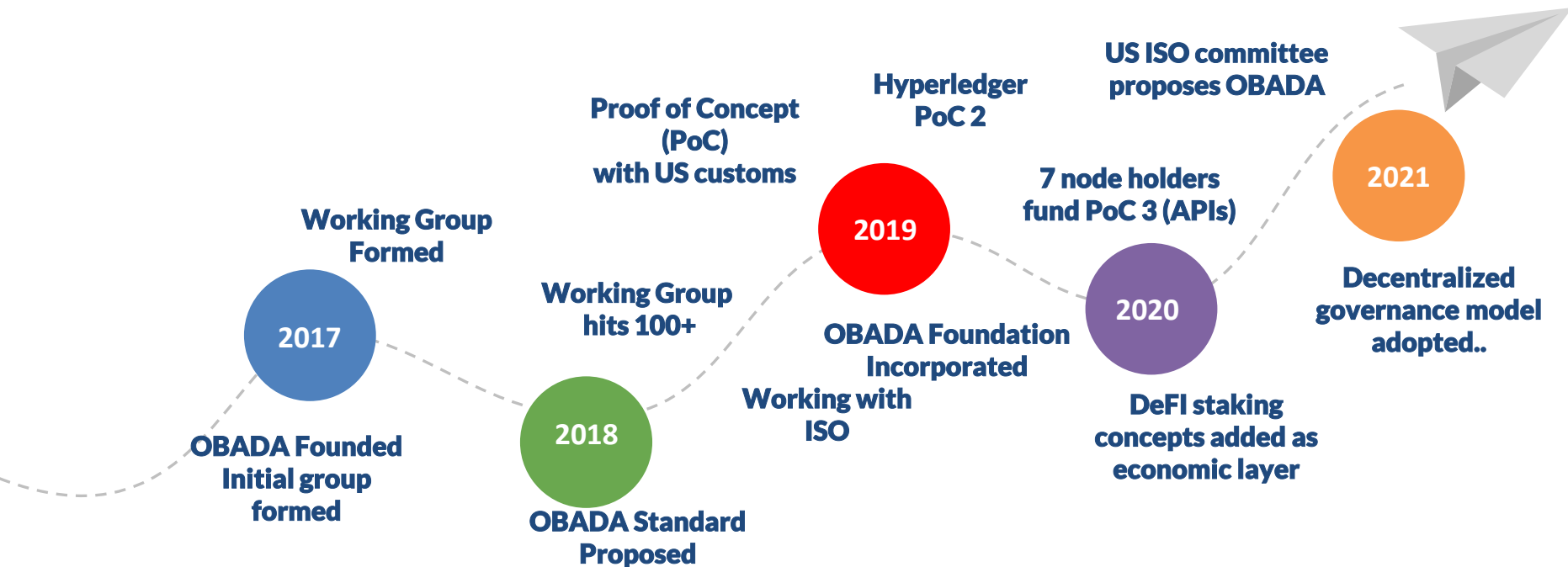
Introductions



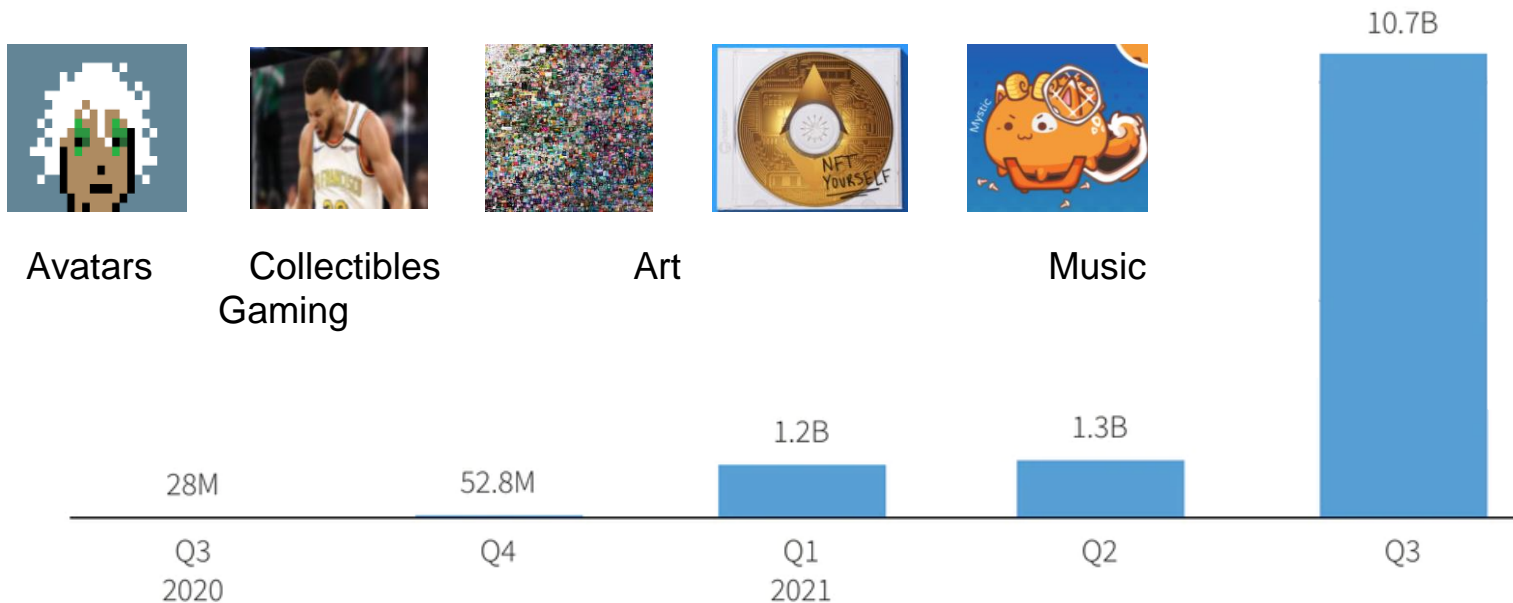
Rohi Sukhia

- Founder, OBADA Foundation
- Founder & CEO Tradeloop Corp.
- Repair.org BOD Member
- ISO TC 307 "Blockchain and Electronic Digital Ledger Technologies" Committee

OBADA's History



NFT sales surge to \$10.7 billion in Q3 - DappRadar

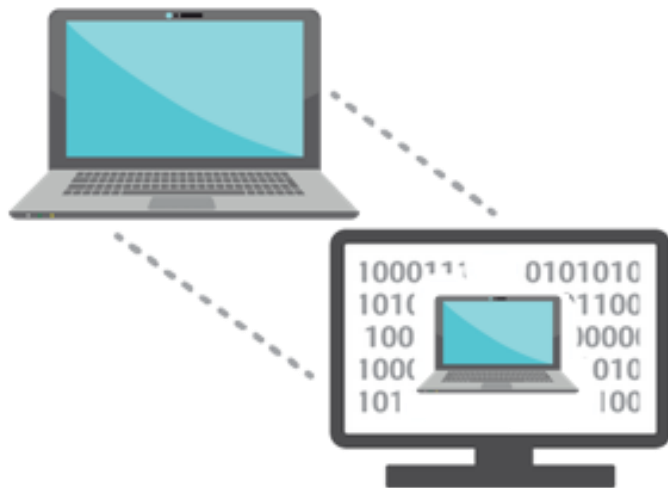


Note: DappRadar is a company which tracks on-chain NFT sales across multiple blockchains including Ethereum, Flow, Wax, and BSC.

Source: DappRadar

Physical NFTs (pNFTs): “Digital Twins”

Each of your products will be represented by an NFT



All Documents

- Purchase Receipt (Ownership)
- Diagnostic Reports
- Warranty Information
- Service Records
- etc..

IOT Endpoint

- Talk to the device

The NFT is a "Carfax" for every device.

This "Carfax" is a **NFT**.

- a non-fungible token

A "**digital twin**" of the physical asset, permanently "tied" to the physical device.


It includes a **digital certificate of ownership**.

It's like a digital logbook of the devices' history.

It creates an universal address for connected **IOT devices**.

OBIT NFT *Digital Twin*

USN: [1V3Z-JwPg](#)



OBIT ID: 0f89...c43e
 Physical Asset: Dell model 2714h, SN# CN0NV2C46418045H1CBS
 Owner: 9De6...A69j
 Asset Status: **Functional, Authentic**
 Disposition Events: [view](#)

Data Root Hash: d9b97a2fcace15764057d06f4d47ca754760235e3a5f6684bcff961bb07e80f6

Service History & Proofs

Authenticity: **Genuine** (ZKP) - [proof](#) from Dell
 Warranty: **Active** - [proof](#) from Dell
 Data Status: **Sanitized** (ZKP) - [proof](#) from TechSpec
 Functionality: **Functional** (ZKP) - [USODY Diagnostic Report](#)
 Operating System: **Valid COA** (ZKP) - [proof](#) from Microsoft

Pre-paid CoC Orders

- \$3 for Drive Wipe
- \$2 for Recycling Report

Send reports to: happyguy72@hotmail.com

No central authority. You create and own the NFT.
All data is encrypted. Only the NFT owner/manager can see it.

These "Carfax" NFTs are stored in an open Registry.

Like a cloud database

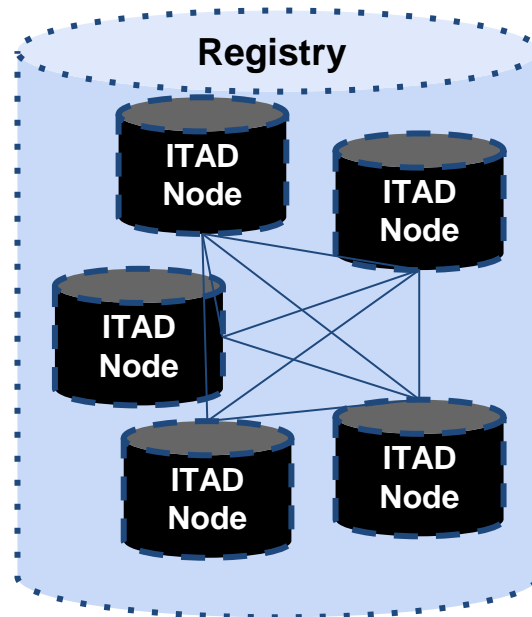


But it's decentralized.

It's really just a collection of synchronized database "nodes".

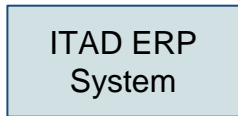
ITADs run the nodes. ITADs vote on changes. ITADs set the fees. ITADs share the platform profits.

These ITAD Node Holders are in effect the "owners" of this decentralized business.

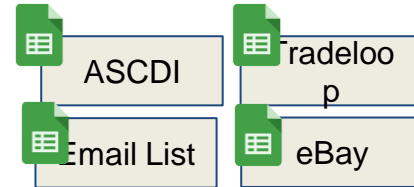


How the ITAD sector manages asset info today

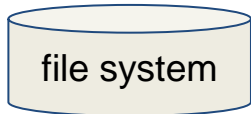
Inventory **copies** are sent around **manually**.



- Something sold? Update each site.
- None are “in synch” with the current stock.
- These sites are in “control” of your data.



Device documentation is sent **manually**.



- Functionality Reports
- Cert of Data Destruction
- Other device info



Collate & Organize



Payment processing is done **manually**.



- PO, Invoices, etc..
- “the check is in the mail” etc..

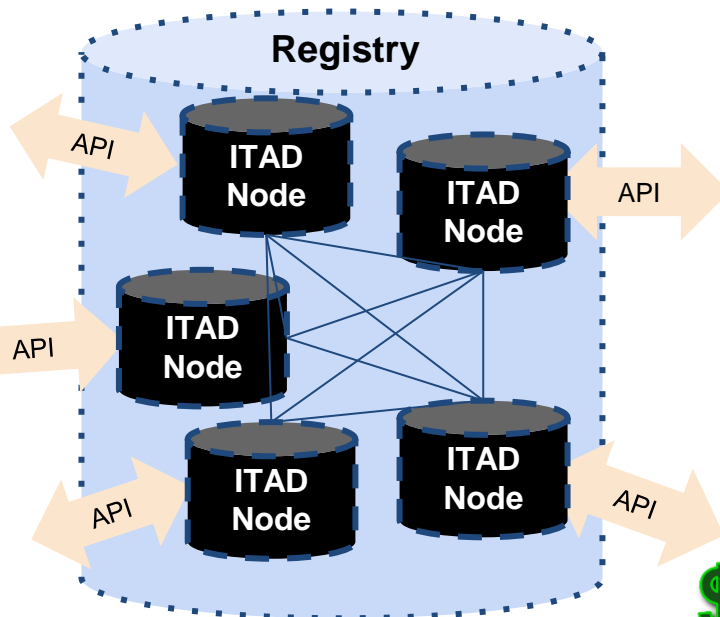
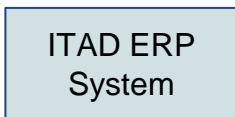


Synching the Inventory of Resellers, ITADs, Recyclers.

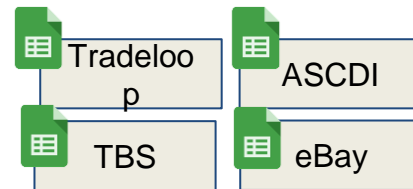
And maybe even End User and Manufacturers.

Inventory **syncs**

and **you control** who sees it.



All parties see the **same synced devices**.



All documents **sync**.

Docs are **provable**. All changes are **transparent**.



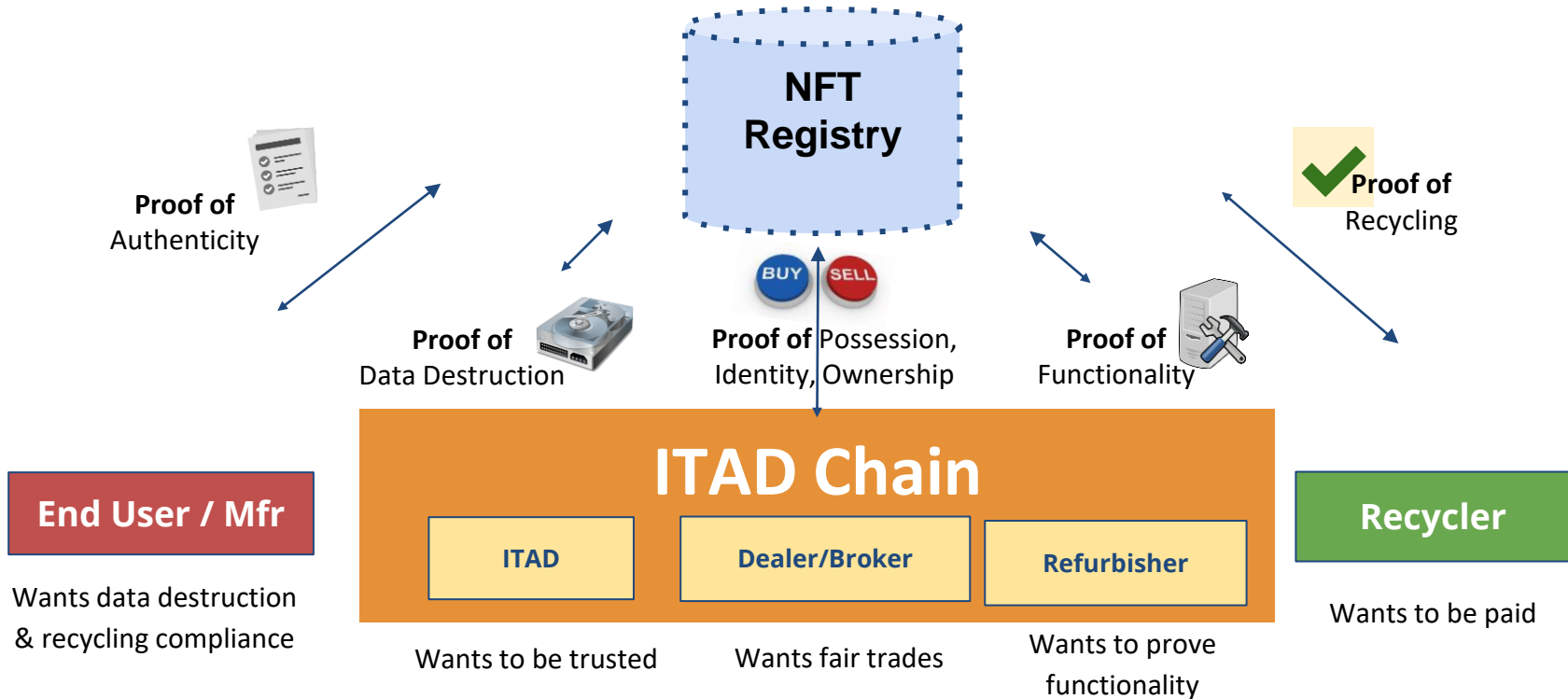
Services are **provable**

Drive wipes, functionality reports, and proof of recycling are all recorded to the blockchain.

Payments are **digital**

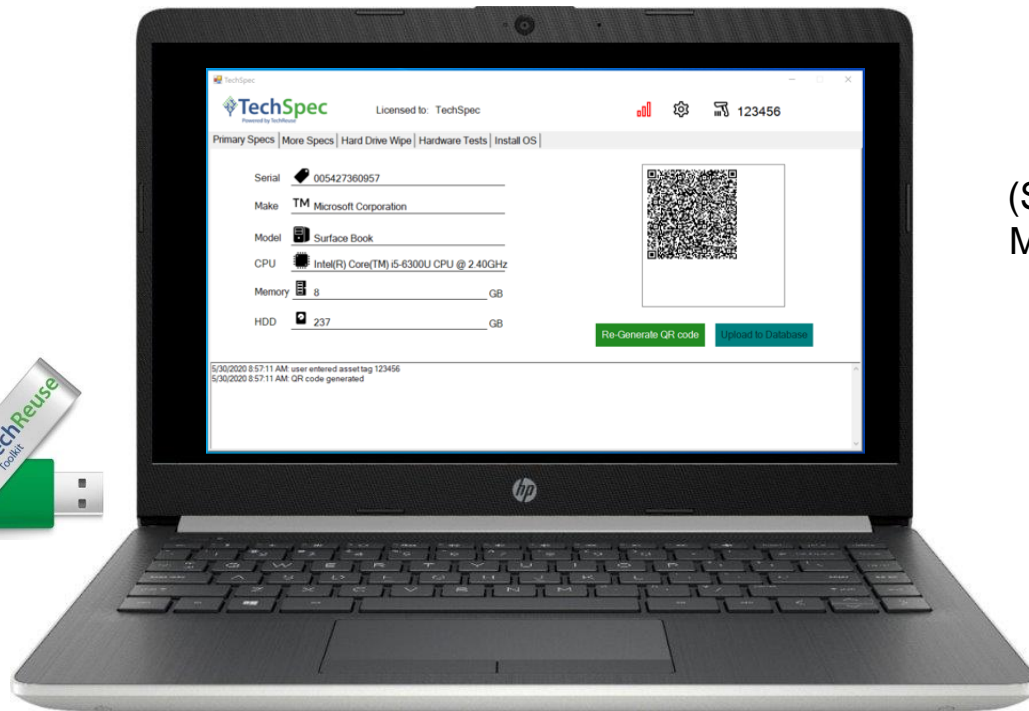
The go directly from user to user. **No middleman. No bank.**

Governments (and end users) are starting to demand traceability.
They want to track what you do with their devices.



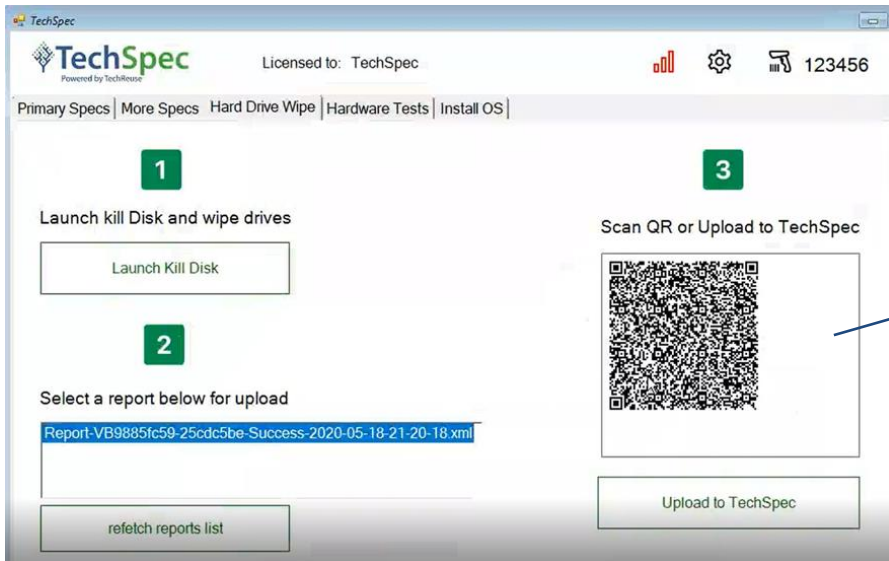
How ITADs can make NFTs

Refurbisher
uses software
to capture
specs and wipe
the drive.



(Serial Number hash +
Make + Model) hash =
NFT

Wipe Report Event



Specs and Proof of Wipe are posted to the blockchain.

Verify on Blockchain (Proof)

NFT:
 35987A0F9AE77012A5146A982966661B75CDEA
 A4161D1D62B1E18D39438E7396

Wipe Report Event Hash
 8DFE551D193396A2AA71D95F22F105B7E34684
 7D919A9255163F370F5690CC85

Hardware Test Event Hash
 2E69FE54A73D42E86376E0AF02F8C873A3B1D3
 551F578ED0D84A5323F1E18490

Platform Economics

"Gas" (the platform fee)

"Rewards" (the network incentive)

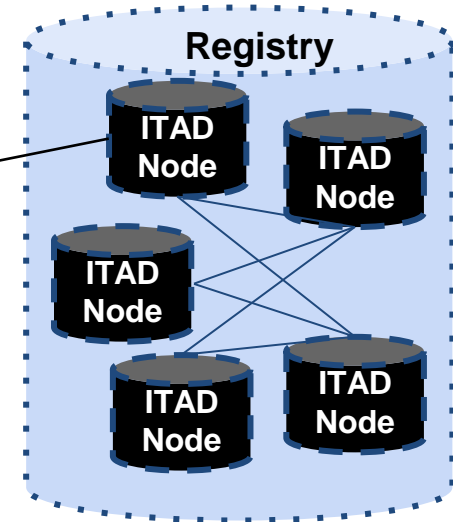
Dr. Ron Lembke

The system is paid for with “Gas”

Users buy "Utility Tokens" from their favorite Nodeholder.



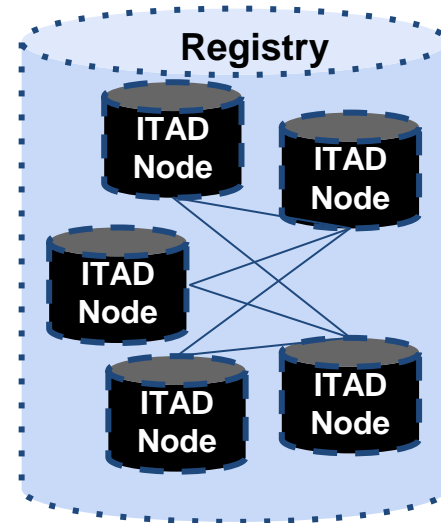
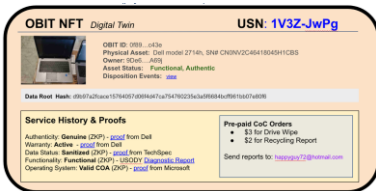
Tokens are “credits”, akin to casino chips or video arcade tokens.



A Gas payment is required for Registry updates

A small payment via the Utility Token is required to update the registry.

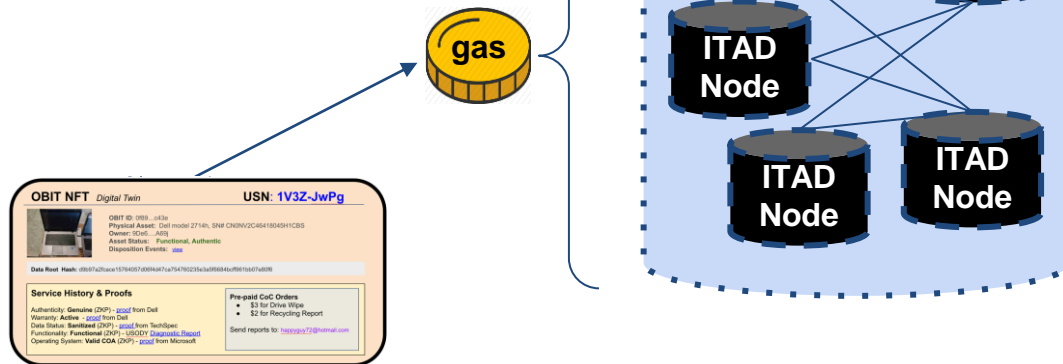
Reading the registry is free.



Collected Gas fees pay the Nodeholders

The Utility Tokens collected as gas are distributed back to the Nodeholders
...to compensate them for their computer power.

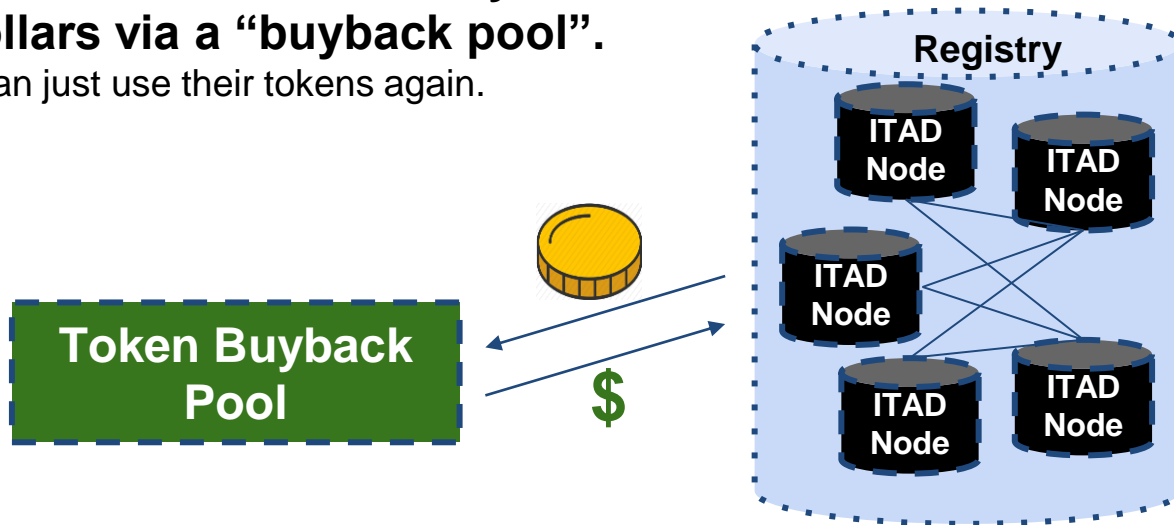
There is no middleman.



Utility Tokens can be swapped back to dollars.

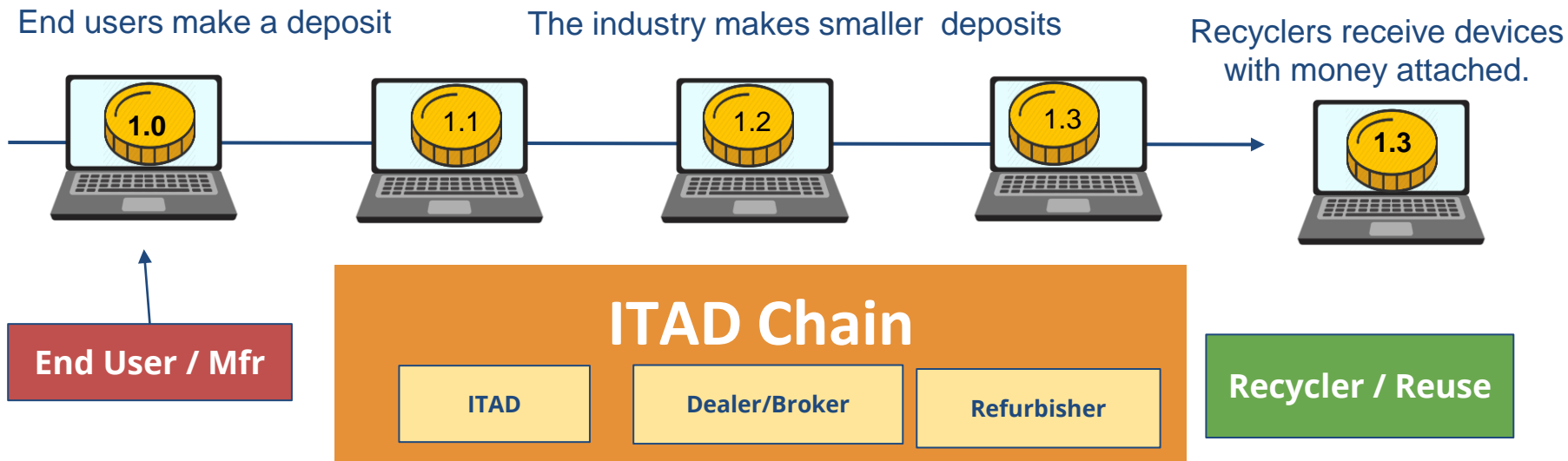
Platform users can convert their Utility Tokens back into dollars via a “buyback pool”.

Or they can just use their tokens again.

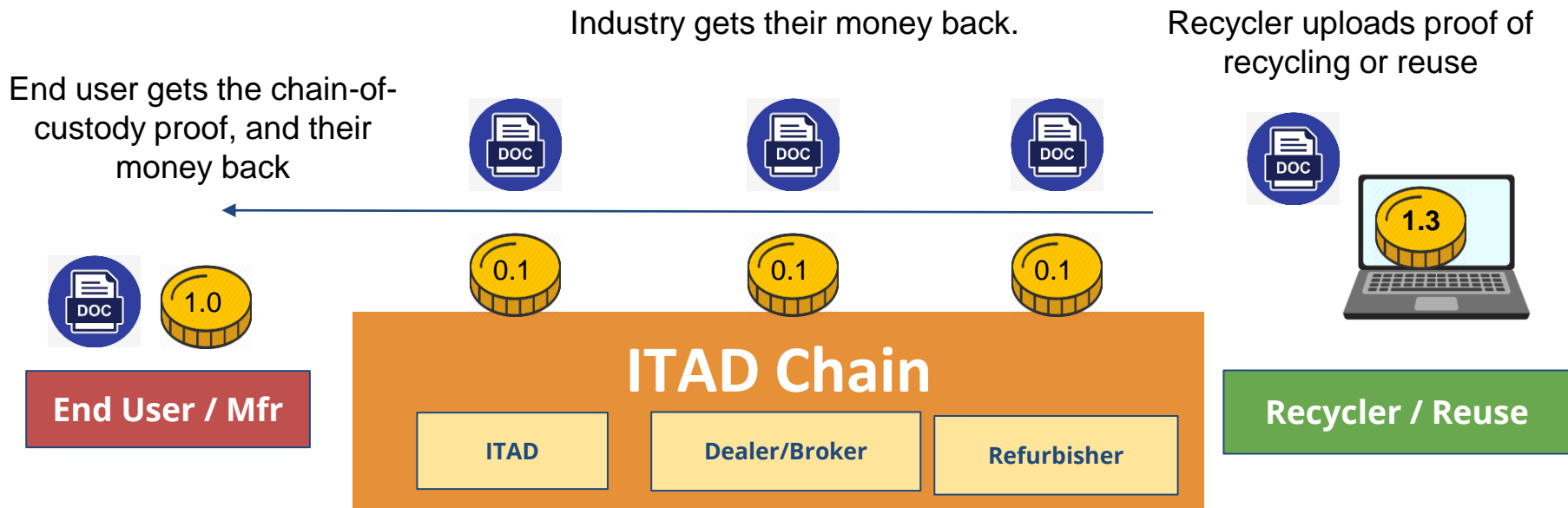


A "Recycling Reward" for ordering chain-of-custody reports

"Staking" an NFT with a Utility Token enables chain-of-custody reporting.
When the device is recycled, the Staked Utility Token is returned, and a reward is issued.



"Proof of Recycling" is generated and the Stakes are returned



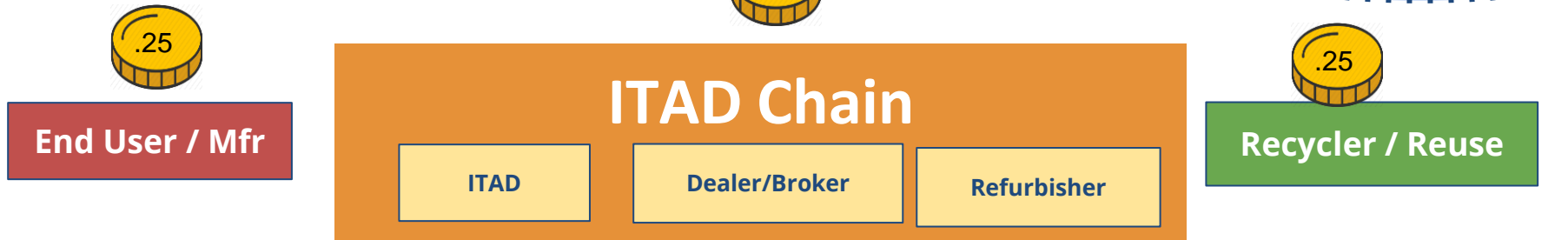
A "Recycling Reward" is issued upon Proof of Recycling / Reuse.

Each set of participants receives a financial reward.

- A new Utility Token is "mined".

The rewards is a "network incentive"

- to use the platform
- and to properly recycle.



How is the Reward paid for?

Some of the Utility Tokens will be "lost"

- Sold off-chain, stuck in a warehouse, or just lost.

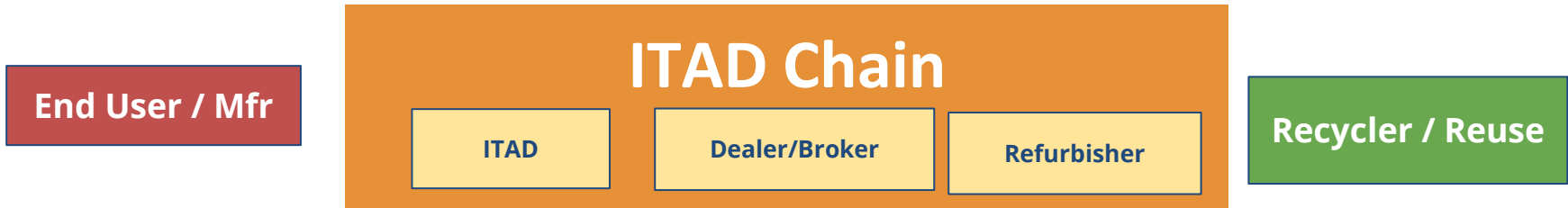
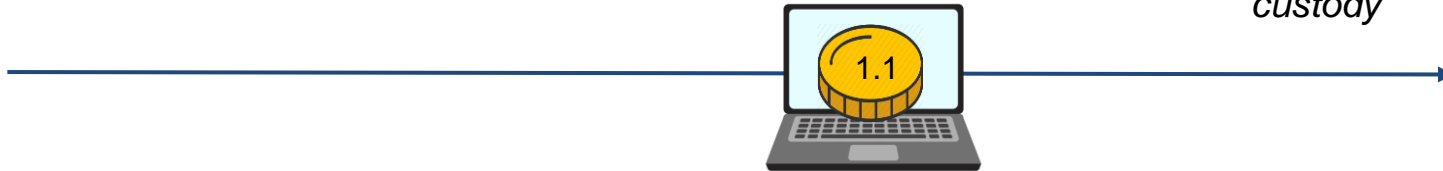
The Rewards System replaces lost Utility Tokens

- to maintain a constant supply



The Reward is a Network Incentive

- To use the platform.
- To properly recycle / reuse
- *It pays end users, ITADs, and recyclers to maintain chain-of-custody*



The OBADA DAO

Decentralized Autonomous Organization

Rohi Sukhia

Members own" and run this "distributed business"

The “OBADA DAO” is a Wyoming DAO LLC

- An agreement to jointly operate the software.
- Limited to the asset disposition sector.
- 100 Members total

Member Requirements

- Members must run a node.
 - OBADA can run it for for you.
- Members can delegate this responsibility.

Member Benefits

- Governance Rights
 - There is no BOD.
 - Anyone can make a proposal. Members vote.
 - One vote per Member
- Operational Rights
 - Get paid for running the node
 - Members can sell access to the blockchain.
 - Rights to offer other services.
- Utility Tokens Rights
 - Members receive an allocation of the initial Utility Tokens supply.
 - Earlier Members receive more tokens.

Current Members

Currently at 22 27 of 100 total. Starting Round B.

DAO Members - Seed Round

Recipient	c/o	# Tokens	Status
1 Network Commerce International	Joseph Marion	2,285,714	closed
2 Robin Ingenthron	GPR	2,285,714	closed
3 Rhapsody Ventures	Vincent Liu	2,285,714	closed
4 Tech Reuse	Charles Brennick	2,285,714	closed
5 University of Nevada	Ron Lembke	2,285,714	closed
6 USODY	David Franquesa	2,285,714	closed
7 Tradeloop Corporation	Rohi Sukhia	2,285,714	closed
		16,000,000	closed

DAO Members - Round A1

Recipient	c/o	# Tokens	Status
8 World Data Products	Neil Vill	1,500,000	closed
9 The Broker Site	Mario Beimans	1,500,000	closed
		3,000,000	closed

DAO Members - Round A2

Recipient	c/o	# Tokens	Status
10 ASCDI	Joe Marion	1,000,000	closed
11 CELX Advisory, LLC	Guennael Delorme	1,000,000	waitlist 12/1/21
12 Dynamic Lifecycle Innovations	Bobbie Suhr	1,000,000	waitlist 12/1/21
13 E-Reuse Services Inc.	Sarah Kim	1,000,000	waitlist 12/1/21
14 JT Environmental Consulting, Inc.	Jason Teliszczak	1,000,000	waitlist 12/1/21
15 KATLAS Technology Ltd	Edward Cole	1,000,000	waitlist 12/1/21
16 Non-Profit Computing, Inc.	John L. German	1,000,000	waitlist 12/1/21
17 SEKANGI International Ventures Limited	Seth Munyambu	1,000,000	waitlist 12/1/21
18 The Repair Association	Gay Gordon-Byrne	1,000,000	waitlist 12/1/21
19 Towards Zero Waste	Jakob Lennartsson	1,000,000	waitlist 12/1/21
20 Unduit	Omar Javed	1,000,000	waitlist 12/1/21
21 VIG Computers	Vince Bettencourt	1,000,000	waitlist 12/1/21
22 XS International, Inc.	Todd A Bone	1,000,000	waitlist 12/1/21
		13,000,000	

How to Get Involved

DAO Membership Interest

- The Round B waitlist is starting for the next 28 DAO Members.
- Contact us and we'll send you the OBADA DAO Operating Agreement
- **Email Mark Schaffer at bizops@obada.io**

To learn more or get involved.

- The monthly Working Group meets the 1st Thursday of every month (since 2018)
 - **12pm ET on <https://meet.jit.si/obada>**
- Or visit our website at www.obada.io