



BLOCKCHAIN FOR BUSINESS

Token Economy Solutions

2024



We provide an enterprise blockchain platform for use in **business applications** across all industries.

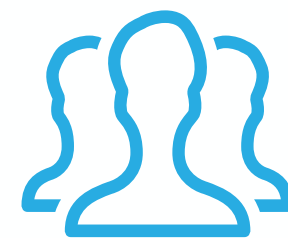
Our solutions enable companies to:



OFFER CHEAPER AND MORE COMPETITIVE PRODUCTS AND SERVICES TO THEIR CUSTOMERS



MAKE PRODUCTS AND SERVICES GLOBALLY AVAILABLE, ANYWHERE THERE IS INTERNET



ACCESS NEW CUSTOMER SEGMENTS

DATA IS THE NEW GOLD.

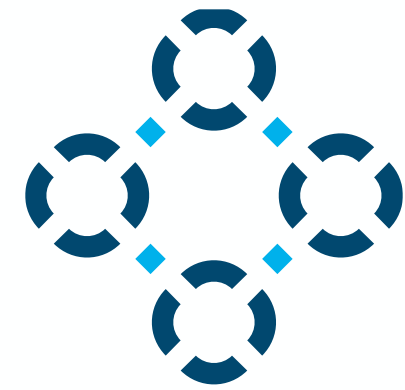
AND BLOCKCHAIN CAN ENSURE YOUR DATA'S VALUE!



THE FOUR ADVANTAGES OF BLOCKCHAIN TECHNOLOGY AT A GLANCE



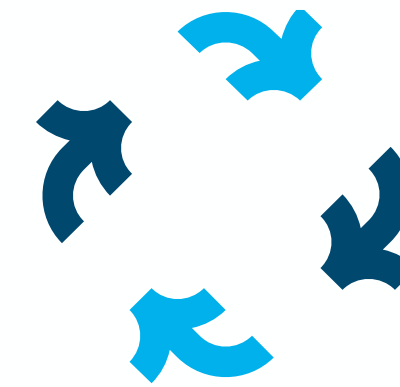
UNFORGEABLE
DOCUMENTATION



DECENTRALIZED
ACCOUNTING



GOVERNANCE
AND COMPLIANCE



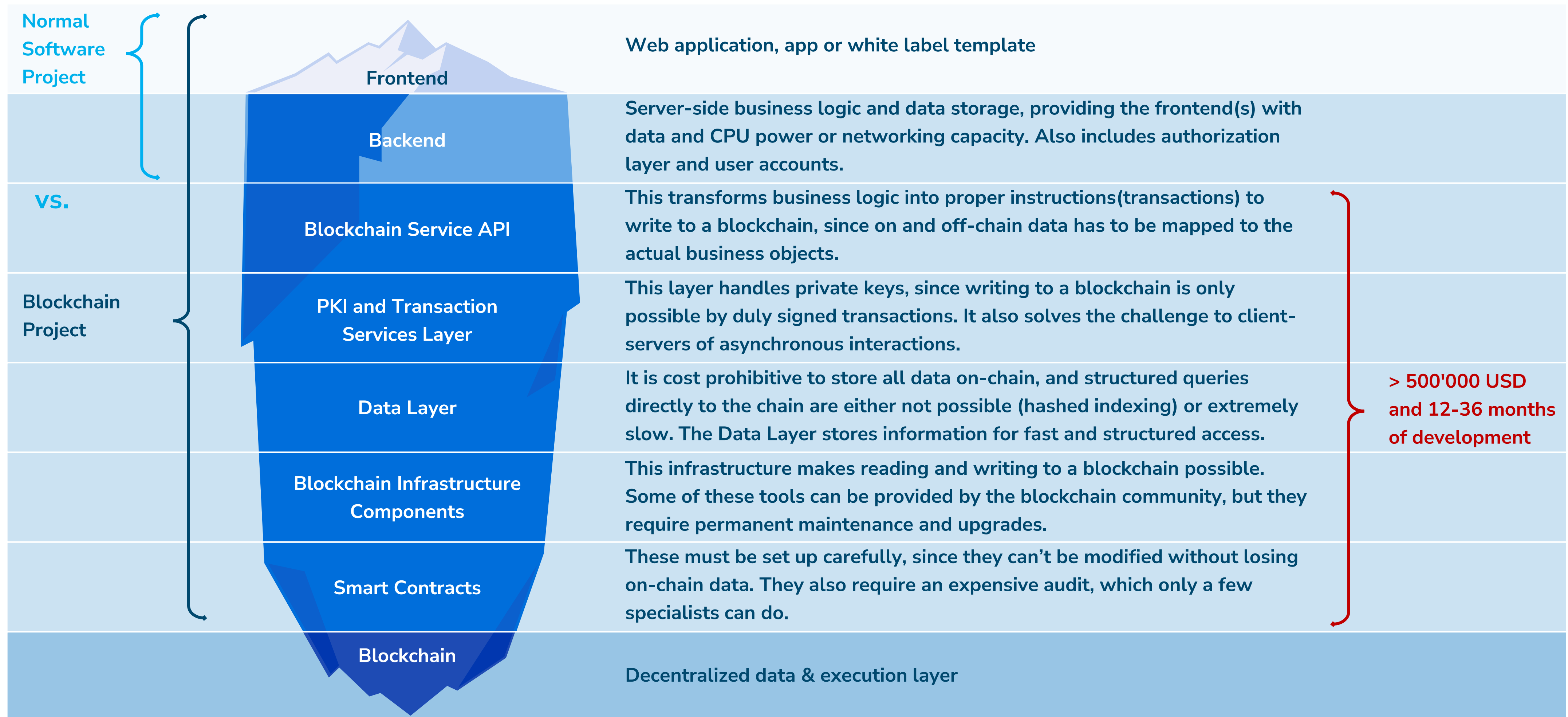
UNIQUE TRADING
ALGORITHMS

We have developed an operating system for blockchain applications with which all four advantages can be easily and inexpensively integrated into almost any business processes:

CoreLedger TEOS (Token Economy Operating System)

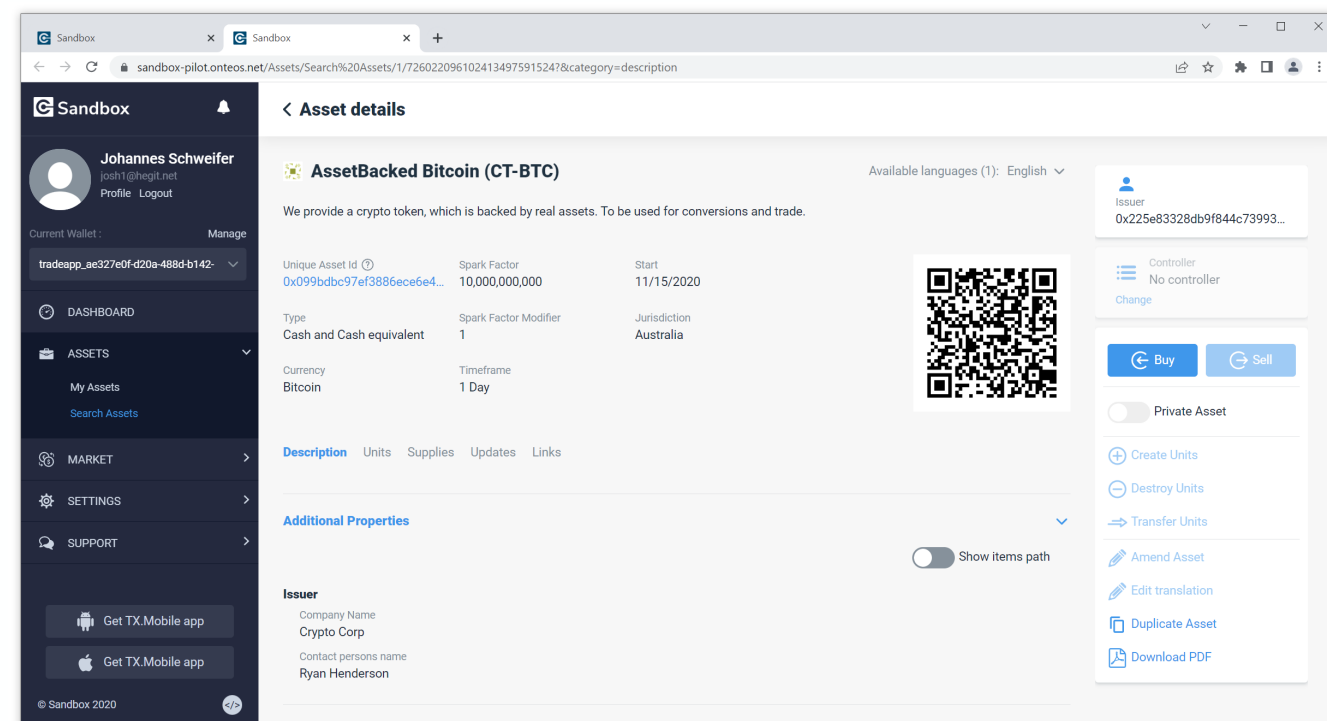


THE PROBLEM THAT WE ADDRESS: BLOCKCHAIN PROJECTS ARE COSTLY!

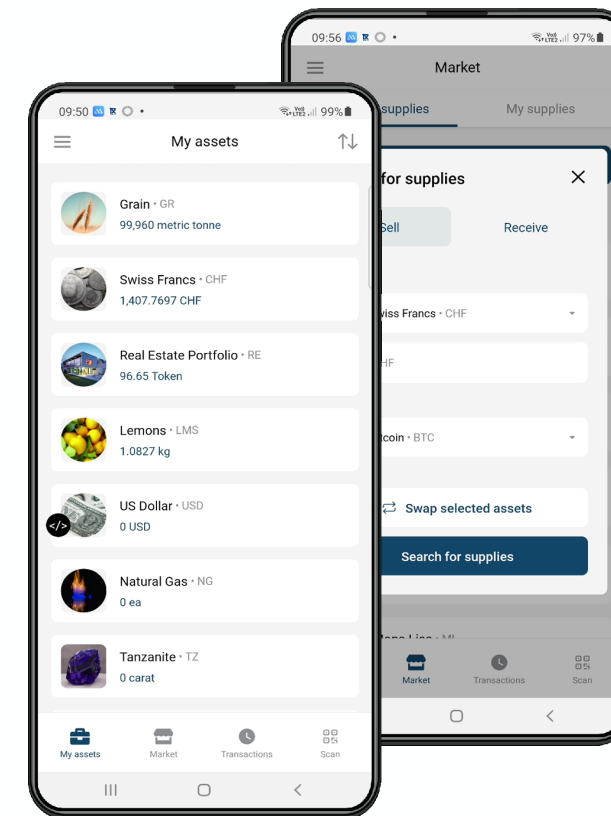


OUR PRODUCTS – TURNKEY READY APPLICATIONS AND COMPONENTS

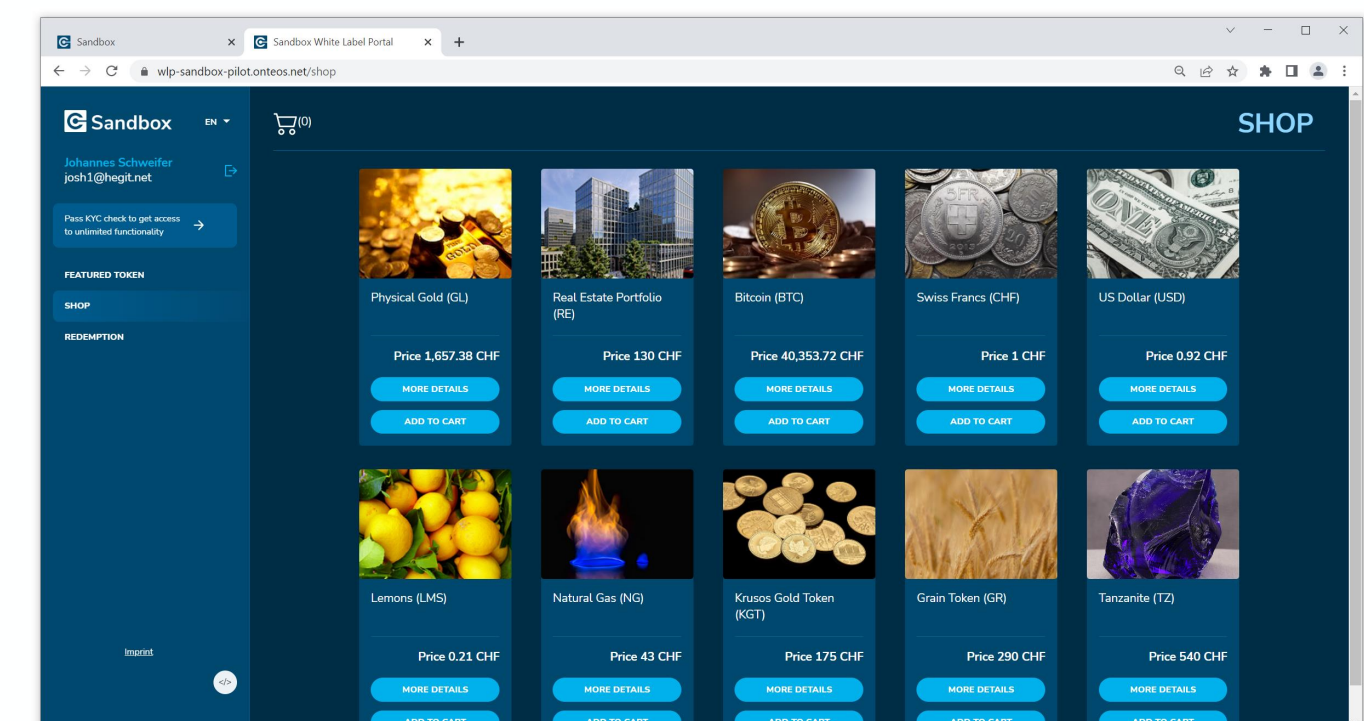
Administration of digital assets, rules (smart contracts) and tokens



Extensible blockchain-app including a DeFi market



Web-solution for OTC trading of digital assets



White Label Management Tool

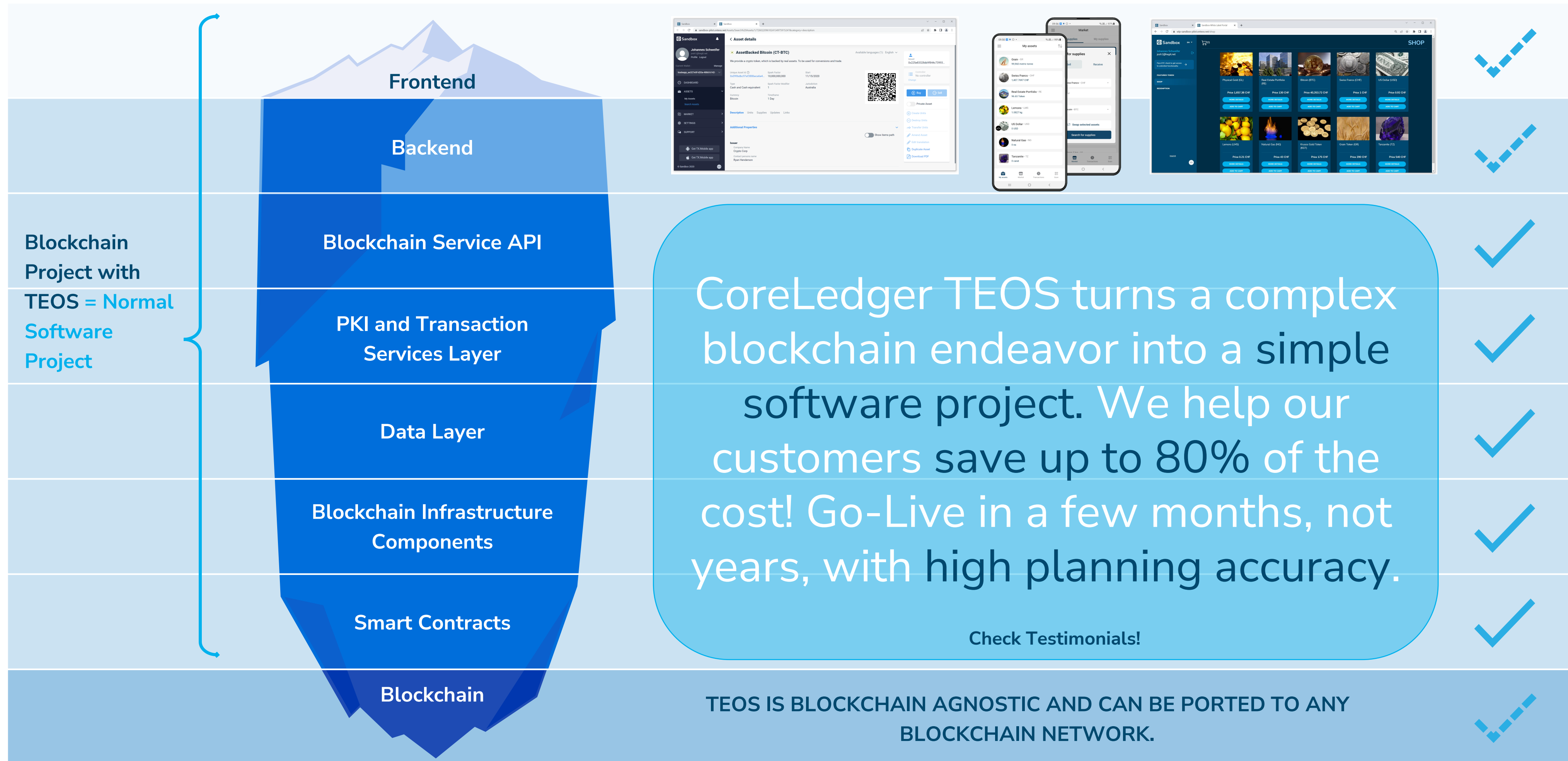
White Label App

White Label Portal

CoreLedger TEOS API (Programming interface for own blockchain-enabled applications)

Blockchains:  ethereum  SparkNet  INTERNET COMPUTER ( BINANCE SMART CHAIN  polygon coming soon)

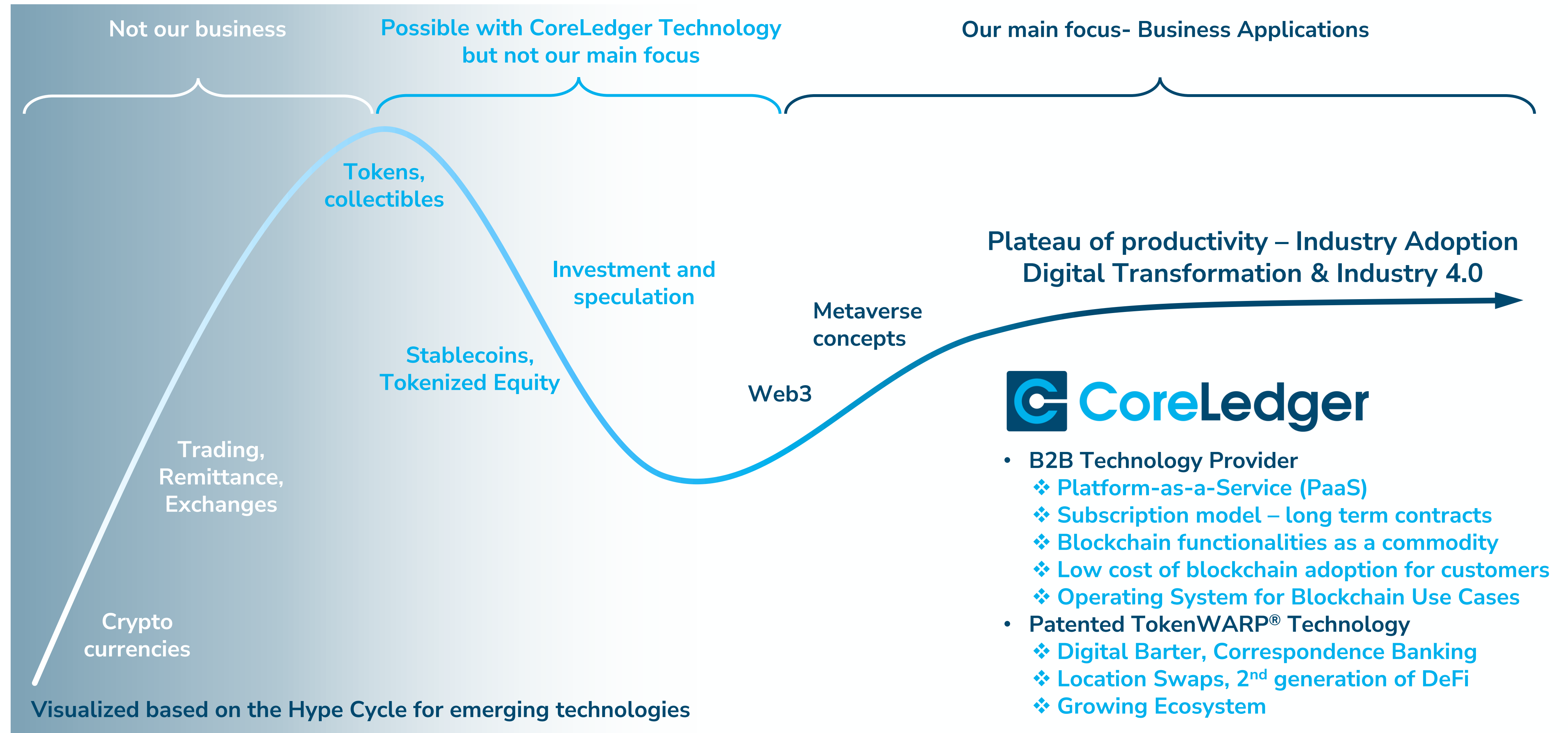
PROBLEM SOLVED: SAVE TIME AND MONEY WITH TEOS



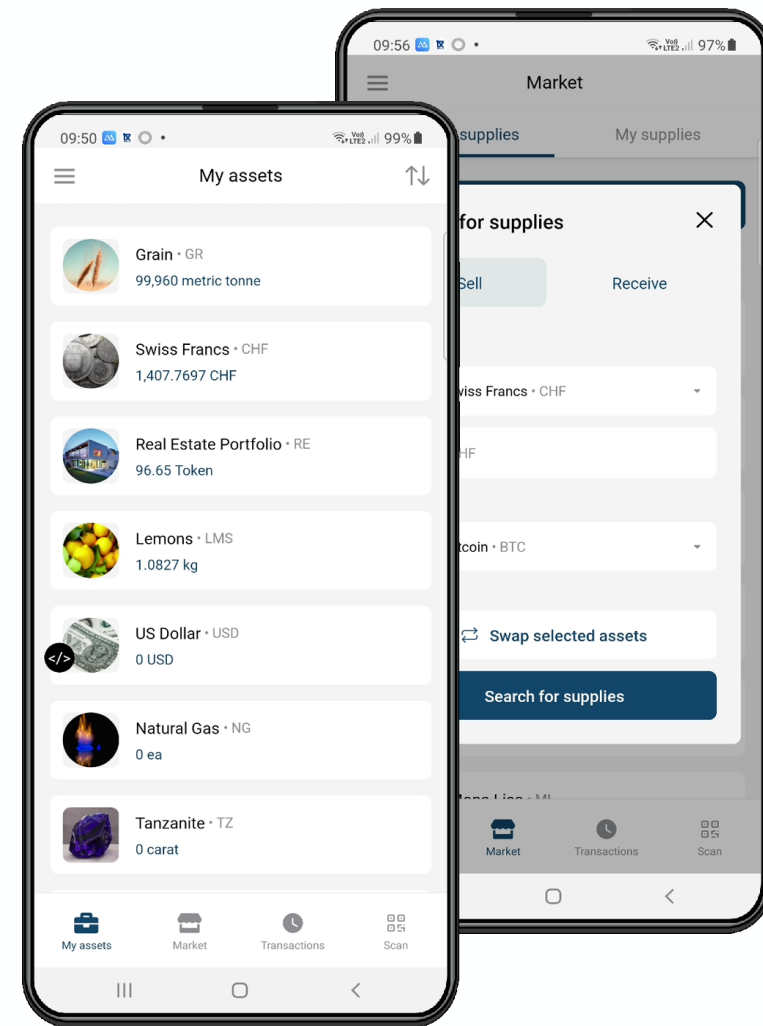
WHITELABEL PRODUCTS

TEOS

CORELEDGERS POSITIONING IN THE BLOCKCHAIN TECHNOLOGY MARKET



OUR UNIQUE SELLING PROPOSITION AND COMPETITIVE ADVANTAGES



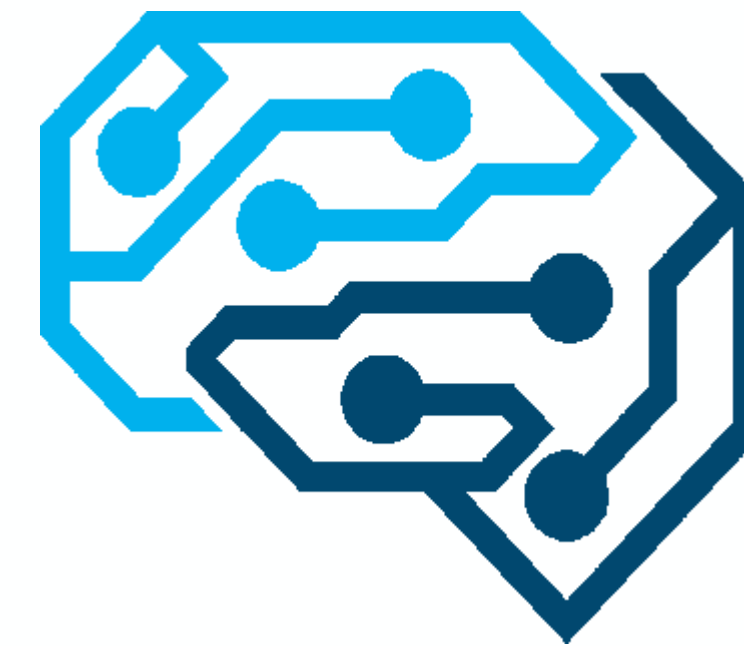
Versatile Blockchain APP (not just a simple wallet)

- Fast time-to-market for business solutions (e.g. Notarization on BC)
- Great end-user experience (UX)
- Low development and maintenance costs for businesses
- Solves the problem of convenient private-key handling and storage



Token WARP ®, proprietary patented DeFi solution

- Value conversion, which involves multiple assets and parties at once
- Allows solutions such as correspondence banking, digital barter, non-fungible assets (NFA) and ways to avoid regulatory difficulties.
- Provides the basis for an interconnected ecosystem with many ways to increase liquidity



Blockchain Expertise and unique rapid prototyping capability

- Blockchain experience of our team members started in 2011
- Founder is teaching CAS classes at HSLU
- We can quickly SHOWCASE any use-case with an Active Sandbox (PoC)
- Partner Products (e.g. NOTRZR) can be integrated in the PoC, so we can serve more and more actual business processes

CORE TEAM BEHIND CORELEDGER



Dr. Johannes Schweifer
CEO/Founder

With a PHD in theoretical chemistry, Johannes is a problem-solver, having more than 12 years of working experience as consultant, solution architect and project manager in FinTech and banking. He is active in the Blockchain and Crypto arena since 2011 and was Co-Founder, first investor and president of the board of Bitcoin Suisse AG. In 2017 he founded CoreLedger AG. He is responsible for Business Development.



Jevgeny Fedorovich
CTO/Co-Founder

With a Master's degree in information technologies and more than 15 years of working experience in the IT industry, Jevgeny leads the P2P infrastructure development team and is responsible for all internal IT initiatives and operations (DevOps). Jevgeny is Co-Founder of CoreLedger AG and responsible for Software development and IT operations.



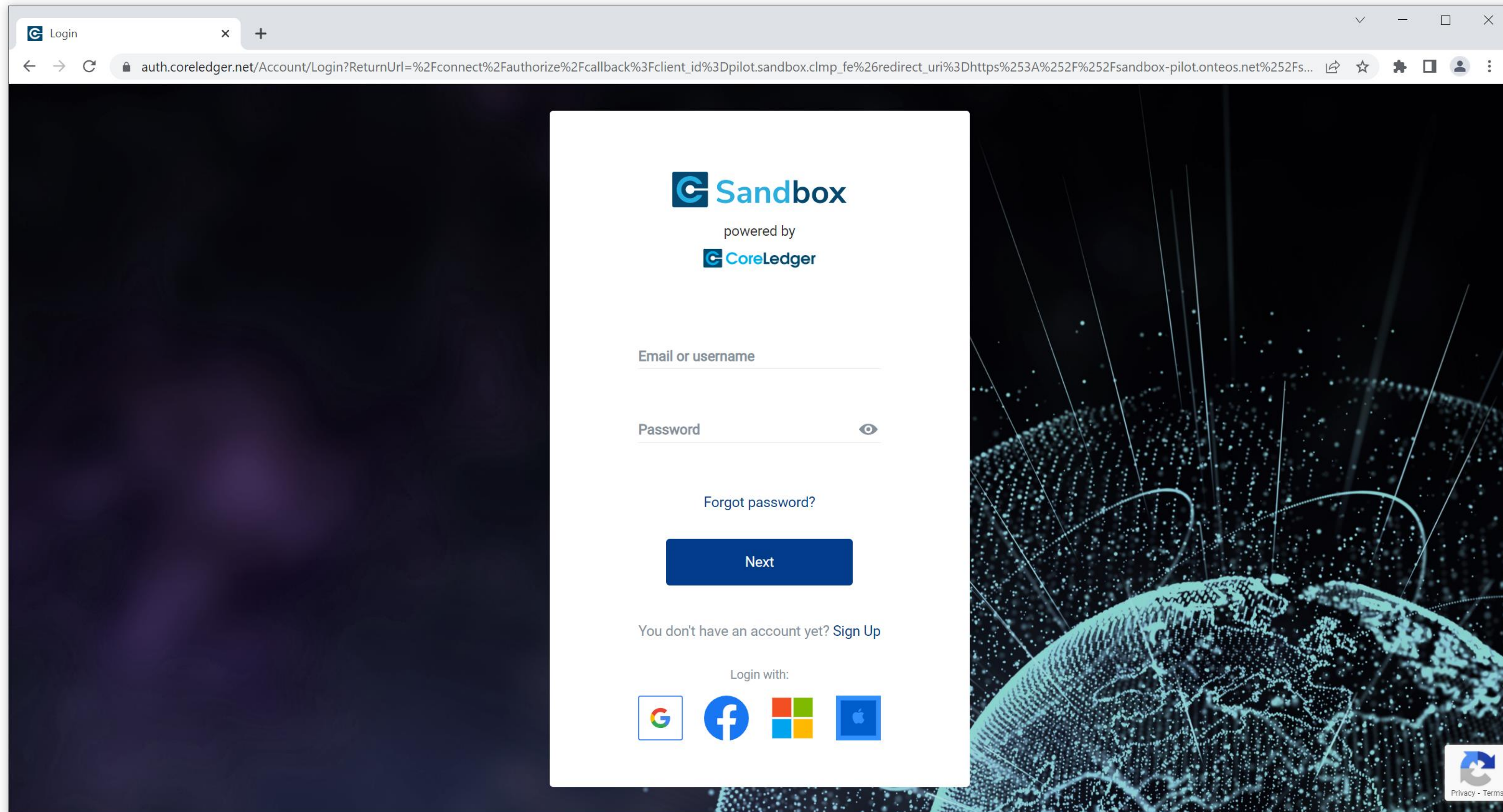
Martin Simeon
CFO

MBA SUNY, senior business executive with longstanding experience in leading international M&A projects, advisor to executive boards, experience in private SME's and public firms. Founder Simeon Consulting LLC. Martin is responsible for finance and controlling of CoreLedger AG.

PRODUCT SCREENSHOTS



CORELEDGER TEOS AUTHENTICATION SERVICES



WHITELABEL MANAGEMENT TOOL – ASSET OVERVIEW

The screenshot shows a web browser window with the URL `sandbox-pilot.onteos.net/Assets/My%20Assets?category=myHoldings&isCurrentAddressOnly=false`. The page title is "My Assets". On the left, a sidebar identifies the user as Johannes Schweifer (josh1@hegit.net) and shows navigation options: DASHBOARD, ASSETS (selected), MARKET, SETTINGS, and SUPPORT. The "ASSETS" section is expanded to show "My Assets" and "Search Assets". The main content area displays a table of assets with columns for Name, Issuer, and In UOM. A search bar and a "New Asset" button are at the top right. Below the table, there are filters for "Holdings 66", "Issued 55", "Drafts 4", and a checkbox for "For current wallet only".

Name	Issuer	In UOM
Bull market funds	0x967c5616f2e491d816ff0c6a6a60e44f33efcdf7	99,999 pcs
CV Swiss Francs (CV-CHF)	0x967c5616f2e491d816ff0c6a6a60e44f33efcdf7	200.0044 CHF
Swiss Francs (CHF)	0x967c5616f2e491d816ff0c6a6a60e44f33efcdf7	630,458.7308 CHF
Euro (EUR)	0x967c5616f2e491d816ff0c6a6a60e44f33efcdf7	2,822.0957 EUR
US Dollar (USD)	0x967c5616f2e491d816ff0c6a6a60e44f33efcdf7	23,070.7869 USD
PLATINUM CERTIFICATES (PT-XPT)	Peter	100 g
Cryptobank US Dollar (CB-USD)	centralbank	1.99849993e+12 USD
Cryptobank Euro (CB-EUR)	centralbank	9.99999999e+11 EUR
Cryptobank Swiss Francs (CB-CHF)	centralbank	9.99999998e+11 CHF
Cryptobank Peso (CB-ARS)	centralbank	9.400002e+11 ARS
Insurance contract 3343	demo hannes	1,099,877 CHF
Copper	demo hannes	1,000 kg

WHITELABEL MANAGEMENT TOOL – ASSET SEARCH

The screenshot shows a web browser window with the URL `sandbox-pilot.onteos.net/Assets/Search%20Assets?query=btc`. The page title is "Search Assets". A search bar contains the text "btc" and a "Search" button. To the right of the search bar are "My saved filters" and "Advanced search" options. The search results list three assets:

- AssetBacked Bitcoin (CT-BTC) - highlighted with a blue border
- Bitcoin (BTC) - S
- Bitcoin (BTC)

The detailed view for "AssetBacked Bitcoin (CT-BTC)" is shown below the list. It includes a description: "We provide a crypto token, which is backed by real assets. To be used for conversions and trade." and a "More info" button. To the right of the description are "Buy" and "Sell" buttons. Below these buttons, the following details are listed:

Issuer	Francis
Jurisdiction	Australia
UOM	Bitcoin
SF	10,000,000,000

The left sidebar contains the user profile for Johannes Schweifer (josh1@hegit.net) and a navigation menu with options: DASHBOARD, ASSETS (My Assets, Search Assets), MARKET, SETTINGS, and SUPPORT. At the bottom of the sidebar are links to "Get TX.Mobile app" for Android and Apple, and a copyright notice "© Sandbox 2020".

WHITELABEL MANAGEMENT TOOL – ASSET DETAILS

The screenshot shows the 'Asset details' page for 'AssetBacked Bitcoin (CT-BTC)'. The interface includes a sidebar with navigation options like Dashboard, Assets, Market, Settings, and Support. The main content area displays asset metadata such as Unique Asset Id, Spark Factor, Start date, Type, Spark Factor Modifier, Jurisdiction, Currency, and Timeframe. A QR code is provided for the asset. On the right, there are controls for the issuer, controller, and actions like Buy, Sell, Create Units, Destroy Units, Transfer Units, Amend Asset, Edit translation, Duplicate Asset, and Download PDF. A 'Private Asset' toggle and 'Show items path' option are also visible.

Asset details

AssetBacked Bitcoin (CT-BTC) Available languages (1): English

We provide a crypto token, which is backed by real assets. To be used for conversions and trade.

Unique Asset Id [?]	Spark Factor	Start
0x099bdbc97ef3886ece6e4...	10,000,000,000	11/15/2020
Type	Spark Factor Modifier	Jurisdiction
Cash and Cash equivalent	1	Australia
Currency	Timeframe	
Bitcoin	1 Day	

Description Units Supplies Updates Links

Additional Properties Show items path

Issuer

Company Name	Crypto Corp
Contact persons name	Ryan Henderson

Issuer
0x225e83328db9f844c73993...

Controller
No controller
[Change](#)

[Buy](#) [Sell](#)

Private Asset

- [Create Units](#)
- [Destroy Units](#)
- [Transfer Units](#)
- [Amend Asset](#)
- [Edit translation](#)
- [Duplicate Asset](#)
- [Download PDF](#)

WHITELABEL MANAGEMENT TOOL – DECENTRALIZED MARKET

Sandbox Exchange

You pay: Cryptobank US Dollar (CB-USD) - Any amount USD

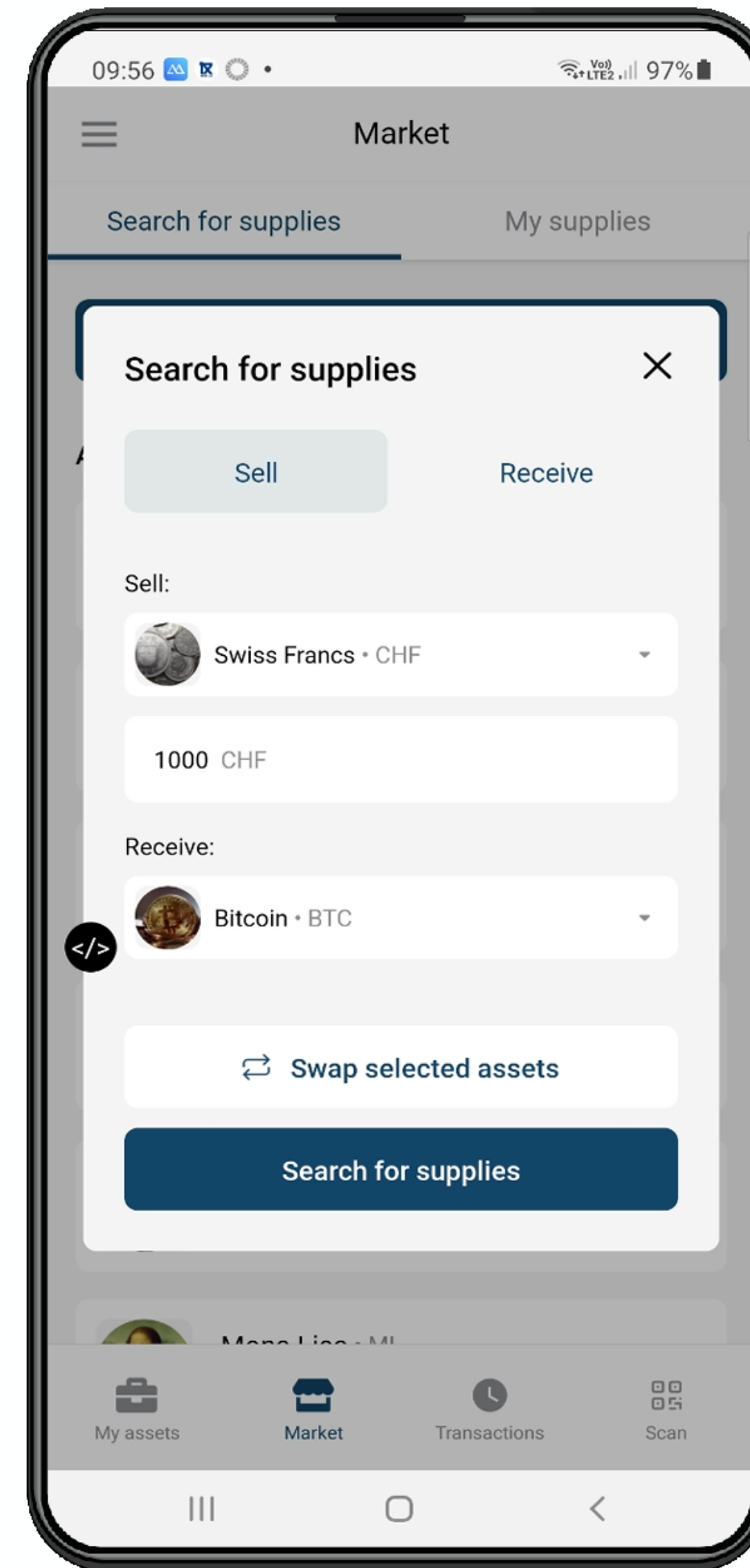
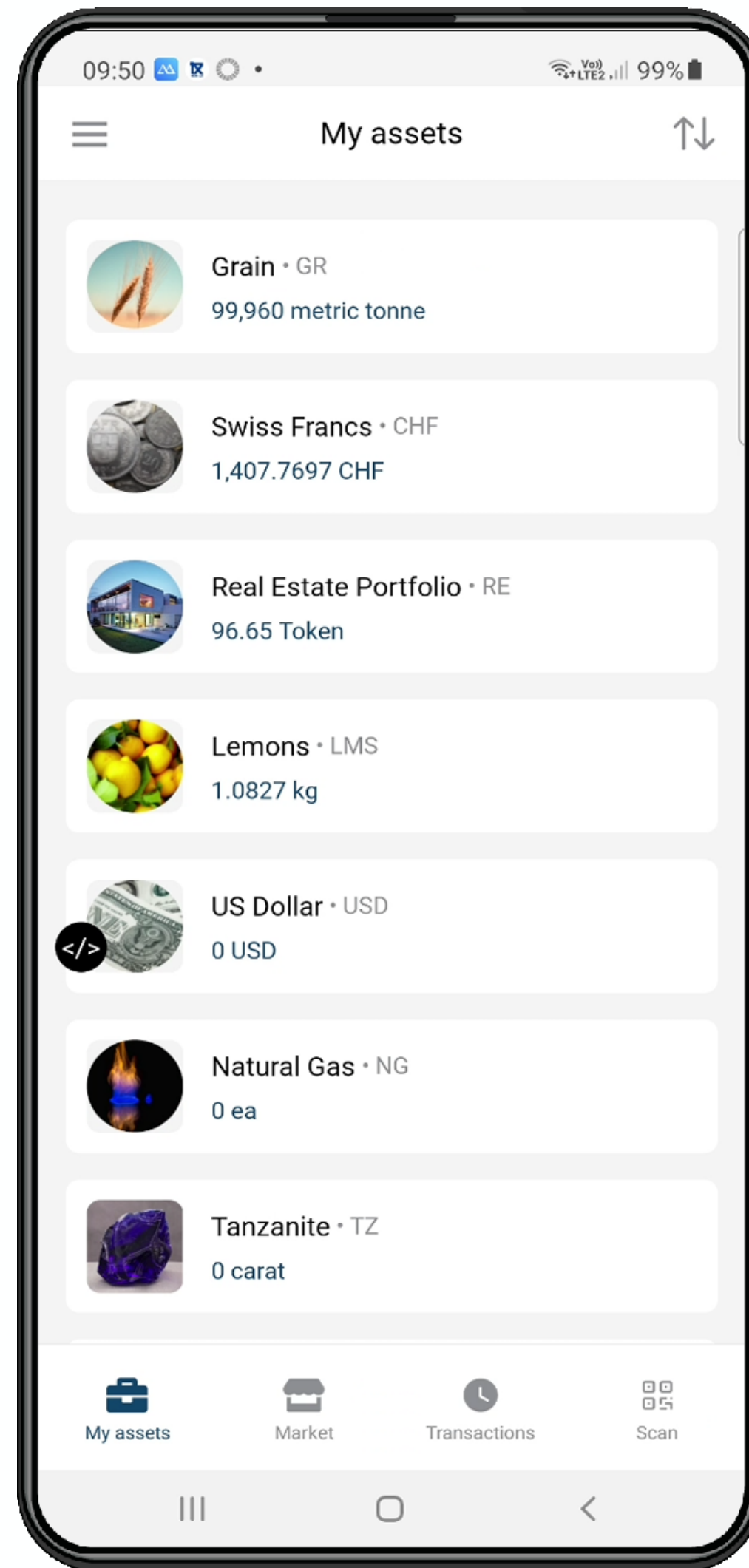
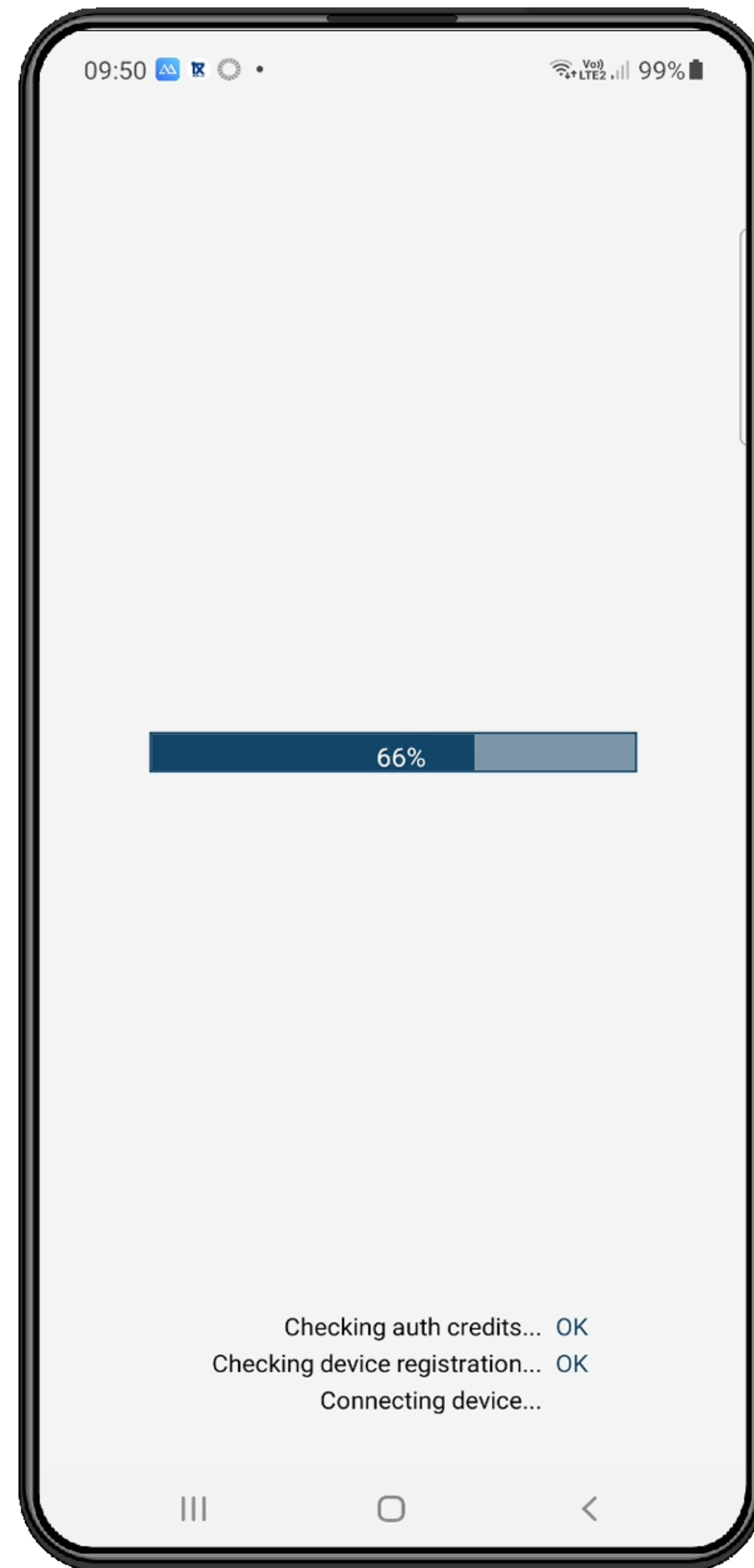
You receive: AssetBacked Bitcoin (CT-BTC) - 1 BTC

Sort by: Propose / Receive | Exchange rate: Buy / Sell

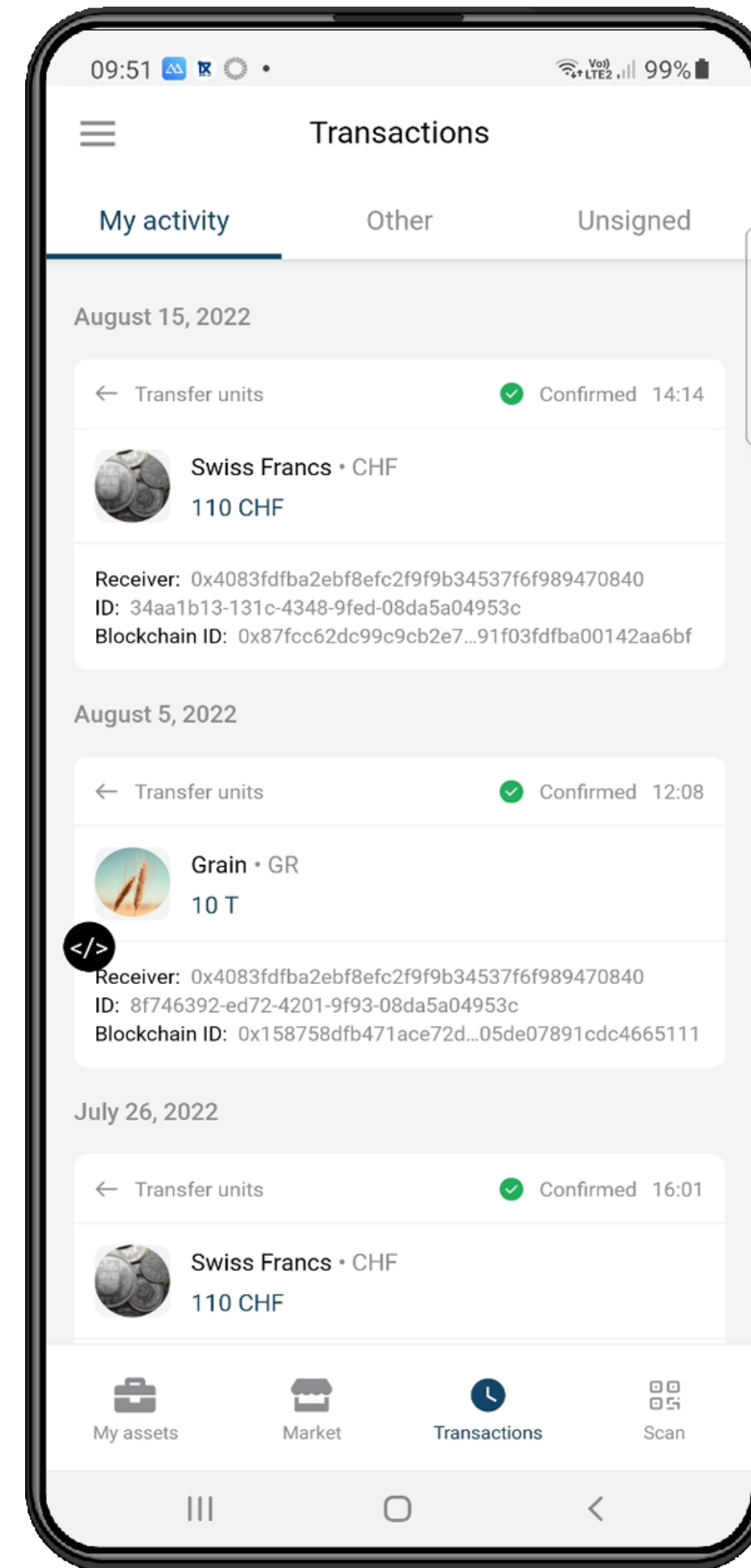
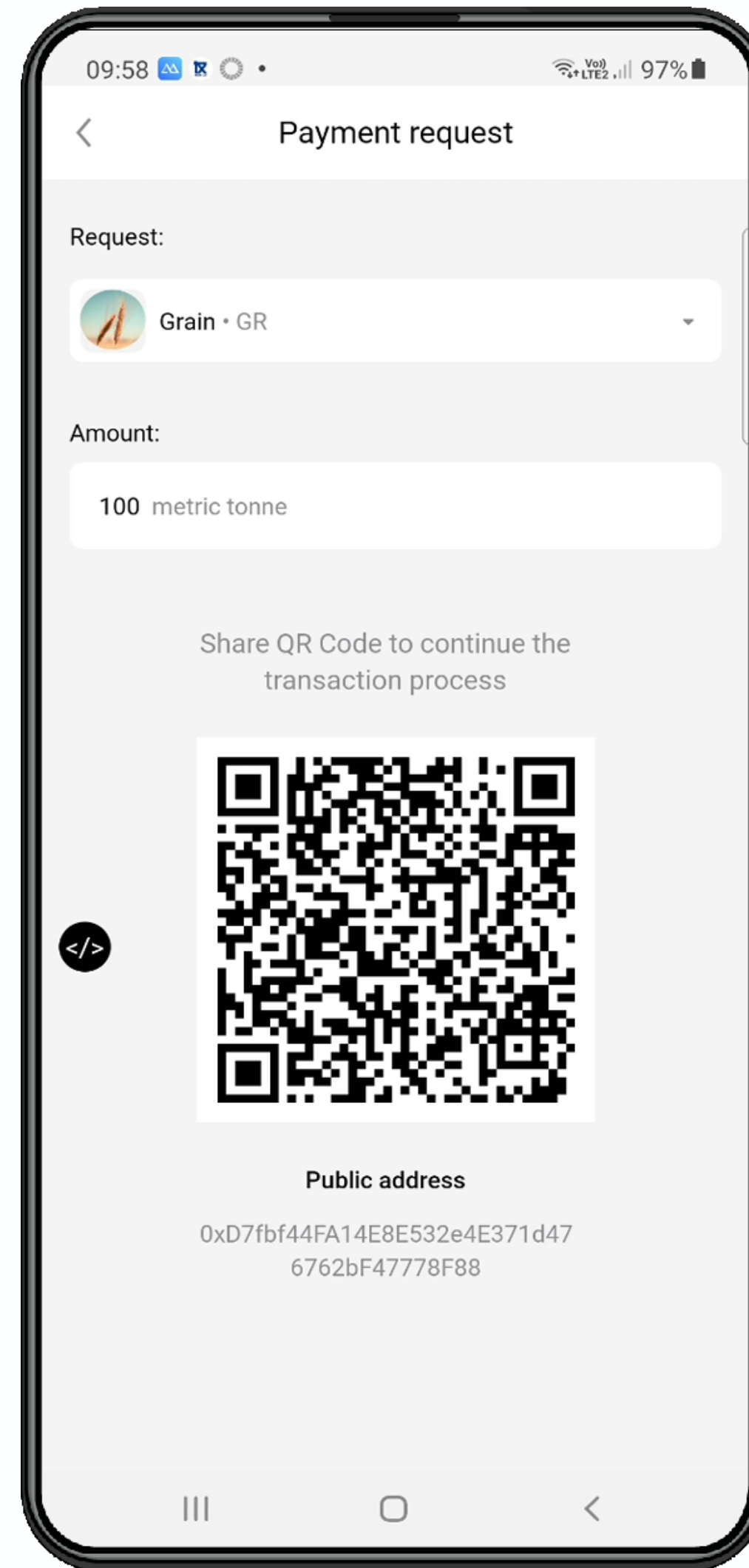
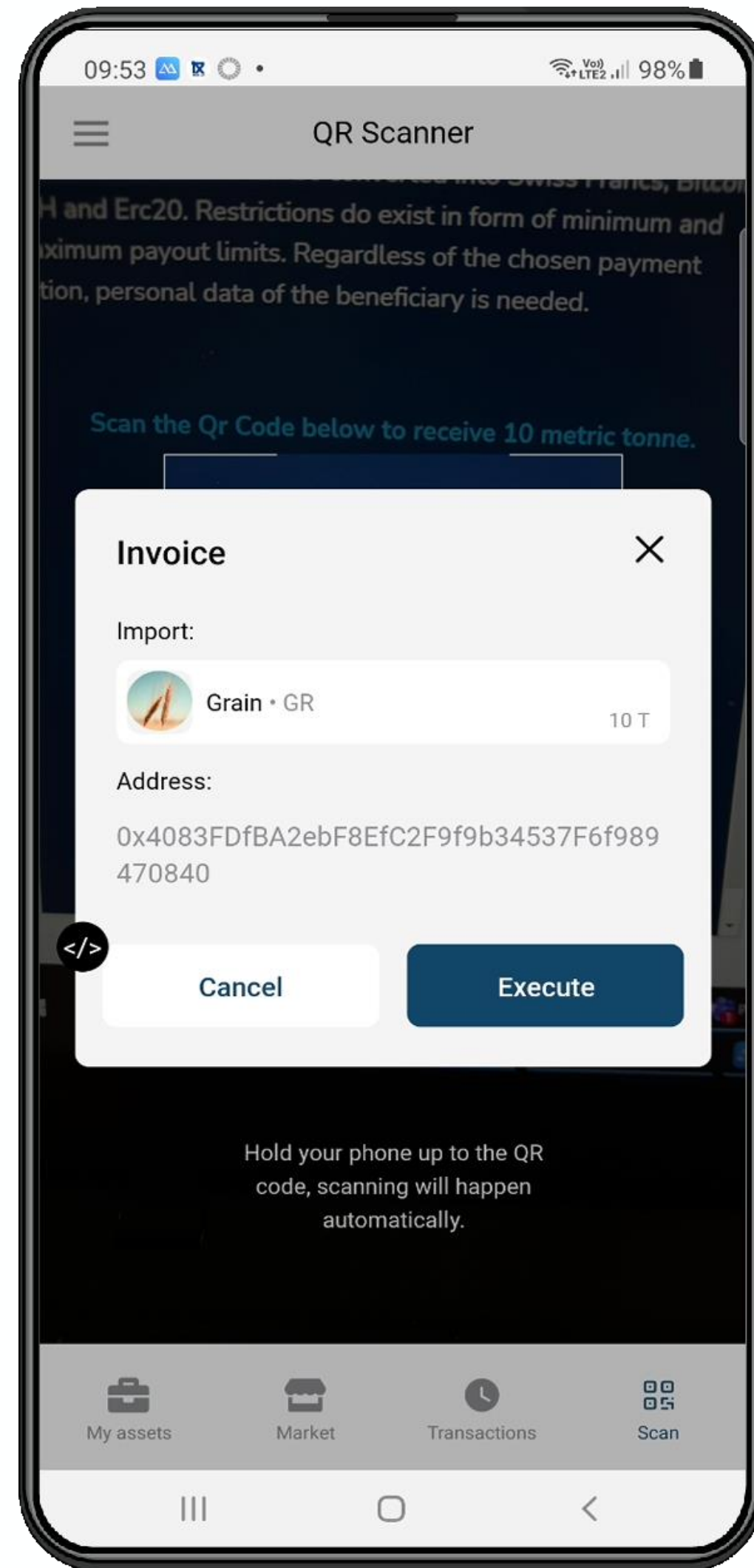
Buttons: Create Supply, Search WARPs

Asset	Price	Quantity	Max	Probability	Estimated Gas	Action
Cryptobank US Dollar (CB-USD)	0.55 USD	↓	≈ 0 BTC	69.83%	812,042	Trade
AssetBacked Bitcoin (CT-BTC)	≈ 0 BTC		Max: ≈ 0 BTC			
Cryptobank US Dollar (CB-USD)	23,838.96 USD	↓	1 BTC	95.00%	194,787	Trade
AssetBacked Bitcoin (CT-BTC)	1 BTC		Max: 4,999.706 BTC			
Cryptobank US Dollar (CB-USD)	24,056.49 USD	↓	1 BTC	85.74%	395,581	Trade
AssetBacked Bitcoin (CT-BTC)	1 BTC		Max: 309.0261 BTC			
Cryptobank US Dollar (CB-USD)	24,077.79 USD	↓	1 BTC			
AssetBacked Bitcoin (CT-BTC)	1 BTC		Max: 996.1565 BTC			
Cryptobank US Dollar (CB-USD)	24,309.45 USD	↓	1 BTC			
AssetBacked Bitcoin (CT-BTC)	1 BTC		Max: 415.3081 BTC			
Cryptobank US Dollar (CB-USD)	24,440.37 USD	↓	1 BTC			
AssetBacked Bitcoin (CT-BTC)	1 BTC		Max: 40.6562 BTC			

WHITELABEL MOBILE APP – WALLET AND SECONDARY MARKET



WHITELABEL MOBILE APP – POS FUNCTIONALITY AND INVOICE PAYMENT



WHITELABEL PORTAL – PRIMARY MARKET FOR TOKEN SALES

The screenshot shows a web browser window with two tabs: 'Sandbox' and 'Sandbox White Label Portal'. The address bar shows the URL 'wlp-sandbox-pilot.onteos.net/featured'. The website has a dark blue sidebar on the left with the 'Sandbox' logo, a language selector 'EN', and user information for 'Johannes Schweifer' with email 'josh1@hegit.net'. A button prompts the user to 'Pass KYC check to get access to unlimited functionality'. Below are menu items for 'FEATURED TOKEN', 'SHOP', and 'REDEMPTION'. The main content area features a large heading 'International real estate marketplace' over a background image of houses. A paragraph of text explains that real estate is a popular investment vehicle and that the 'Seacrest Apartment Complex' is offering units via token sale. A 'How does it work?' section is partially visible. At the bottom, there are three options: 'Investors Purchase a Token', 'Rent or Subdivide', and 'Flipping Tokens'. A shopping cart icon in the top right shows '0' items. A product card at the bottom right displays '1 token Real Estate Portfolio = 130 CHF' with an 'Add to cart' button.

WHITELABEL PORTAL – WEBSHOP FOR TOKENS

The screenshot displays a web browser window with two tabs: 'Sandbox' and 'Sandbox White Label Portal'. The address bar shows the URL 'wlp-sandbox-pilot.onteos.net/shop'. The page features a dark blue sidebar on the left with the 'Sandbox' logo, a user profile for 'Johannes Schweifer' (josh1@hegit.net), and a 'Pass KYC check' button. The main content area is titled 'SHOP' and contains a grid of ten token listings. Each listing includes an image, the token name, its price in CHF, and buttons for 'MORE DETAILS' and 'ADD TO CART'.

Token Name	Price (CHF)
Physical Gold (GL)	1,657.38
Real Estate Portfolio (RE)	130
Bitcoin (BTC)	40,353.72
Swiss Francs (CHF)	1
US Dollar (USD)	0.92
Lemons (LMS)	0.21
Natural Gas (NG)	43
Krusos Gold Token (KGT)	175
Grain Token (GR)	290
Tanzanite (TZ)	540

WHITELABEL PORTAL – PAYMENT METHODS

The screenshot displays a web browser window with two tabs: 'Sandbox' and 'Sandbox White Label Portal'. The address bar shows the URL 'wlp-sandbox-pilot.onteos.net/checkout/details/payment'. The page features a dark blue sidebar on the left with the 'Sandbox' logo, a language dropdown set to 'EN', and user information for 'Johannes Schweifer' (josh1@hegit.net). A button prompts the user to 'Pass KYC check to get access to unlimited functionality'. The sidebar also lists 'FEATURED TOKEN', 'SHOP', and 'REDEMPTION' sections, along with an 'Imprint' link and a code icon at the bottom.

The main content area is titled 'CHECKOUT' and includes a progress indicator with four steps: '1 Select wallet', '2 Details', '3 Your Order', and '4 Payment'. A blue banner at the top of the main area states 'You have 15:00 to submit the order' with a timer showing '14:49'. Below this, the heading 'Select the payment method for these assets:' is followed by three payment options:

- Bank Transfer:** Represented by a bank icon, with the text 'Transfer from account to account.' and a 'SELECT THIS METHOD' button.
- Creditcard:** Represented by a credit card icon, with the text 'Use Payrexx to checkout.' and a 'SELECT THIS METHOD' button.
- Cryptocurrencies:** Represented by Bitcoin, Ethereum, and Litecoin icons, with the text 'Use Coinify to pay with cryptocurrencies.' and a 'SELECT THIS METHOD' button.

WHITELABEL PORTAL – REDEMPTION OF REAL VALUES

The screenshot shows a web browser window with two tabs: 'Sandbox' and 'Sandbox White Label Portal'. The address bar shows the URL 'wlp-sandbox-pilot.onteos.net/redemption'. The page features a dark blue sidebar on the left with the 'Sandbox' logo, user information for 'Johannes Schweifer' (josh1@hegit.net), a 'Pass KYC check' button, and a navigation menu with 'REDEMPTION' selected. The main content area is titled 'REDEMPTION' and includes a progress indicator with four steps: '1 Select method', '2 Details', '3 Summary', and '4 Finish'. A paragraph explains that users can request a payout of accumulated revenue, convertible into Swiss Francs, Bitcoin, ETH, and Erc20, with restrictions on minimum and maximum payout limits. Below this, five redemption options are presented in a grid:

- Receive: Bank transfer - USD**: Includes an image of a house. 'Pay with: RE'. Buttons: 'MORE INFO', 'SELECT THIS METHOD'.
- Bank Transfer - CHF**: Includes a bank icon. 'Pay with: CHF'. Buttons: 'MORE INFO', 'SELECT THIS METHOD'.
- Bank Transfer - USD**: Includes a bank icon. 'Pay with: USD'. Buttons: 'MORE INFO', 'SELECT THIS METHOD'.
- Receive: Bitcoin**: Includes the Bitcoin logo. 'Pay with: CHF'. Buttons: 'MORE INFO', 'SELECT THIS METHOD'.
- Receive: Ethereum**: Includes the Ethereum logo. 'Pay with: CHF'. Buttons: 'MORE INFO', 'SELECT THIS METHOD'.

At the bottom left, there is a 'Physical Delivery - Grain' option with a forklift icon. The footer contains the text 'Imprint' and a code icon.

WHITELABEL PORTAL – ACCOUNT DETAILS

The screenshot shows a web browser window with two tabs: 'Sandbox' and 'Sandbox White Label Portal'. The address bar shows the URL 'wlp-sandbox-pilot.onteos.net/account'. The page has a dark blue theme. On the left is a sidebar with the 'Sandbox' logo, a language dropdown set to 'EN', and user information for 'Johannes Schweifer' (josh1@hegit.net). Below this is a 'Pass KYC check' button and a menu with 'FEATURED TOKEN', 'SHOP', and 'REDEMPTION'. The main content area is titled 'MY ACCOUNT' and includes tabs for 'ORDER HISTORY' and 'REDEEM HISTORY'. The primary section displays the user's name and email, with buttons for 'MANAGE CREDENTIALS' and 'EDIT PERSONAL INFO'. Personal details include phone, birthdate, nationality, address, zip code, city, state, and country. A 'Current KYC Tier' section shows 'NOT VERIFIED' and a 'START KYC' button. The 'Existing Bank Accounts' section lists two CHF accounts with edit and delete icons, and an 'ADD BANK ACCOUNT' button. An 'Imprint' link and a code icon are at the bottom left of the sidebar.

WHITELABEL PORTAL – KYC AND AML CHECK

KYC PROCESS

- 01.** Select the tier you want to apply to based on its functionality
- 02.** Go through required KYC checks on the provider's page
- 03.** Check the status of the selected tier in your account details
- 04.** Use the functionality available for the tier you applied to

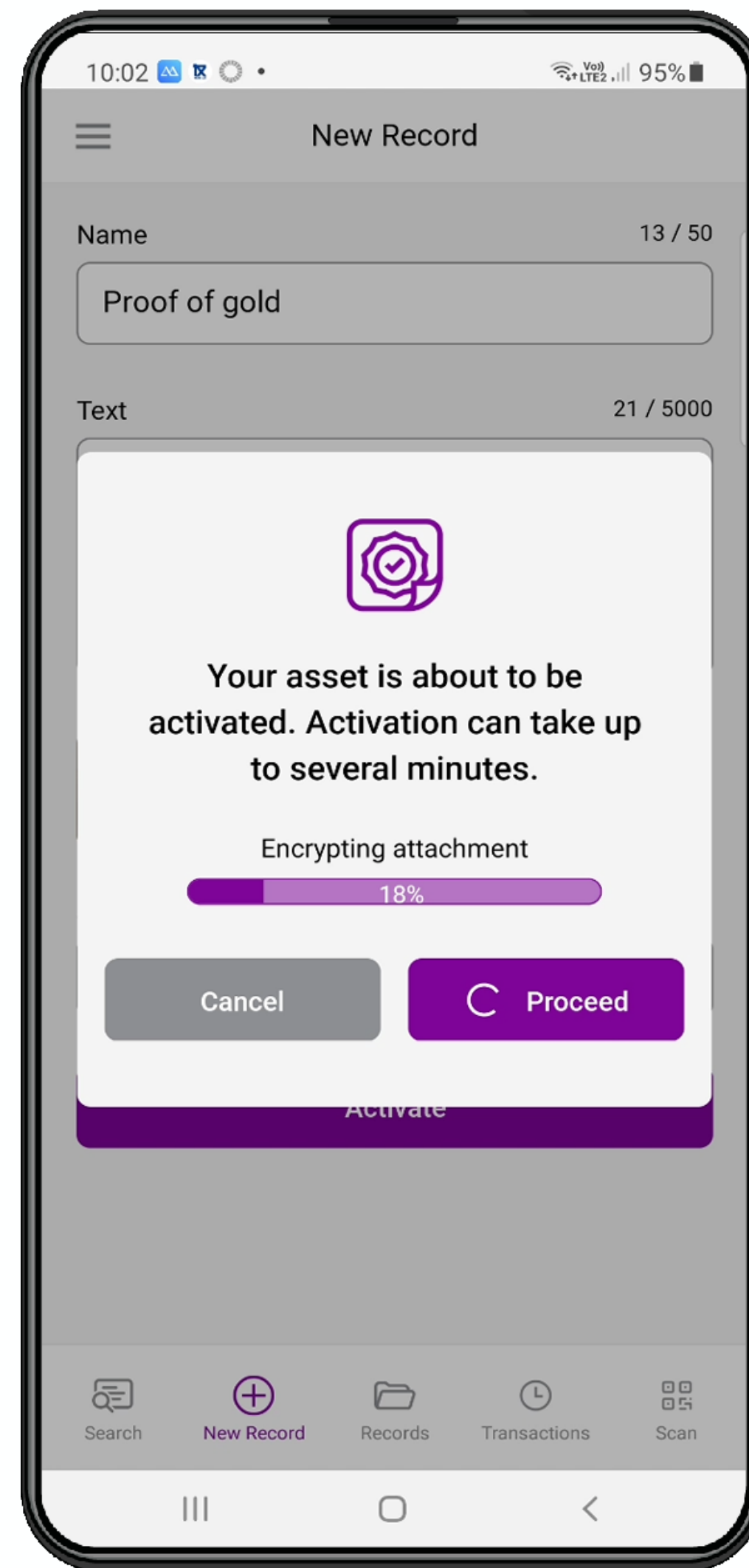
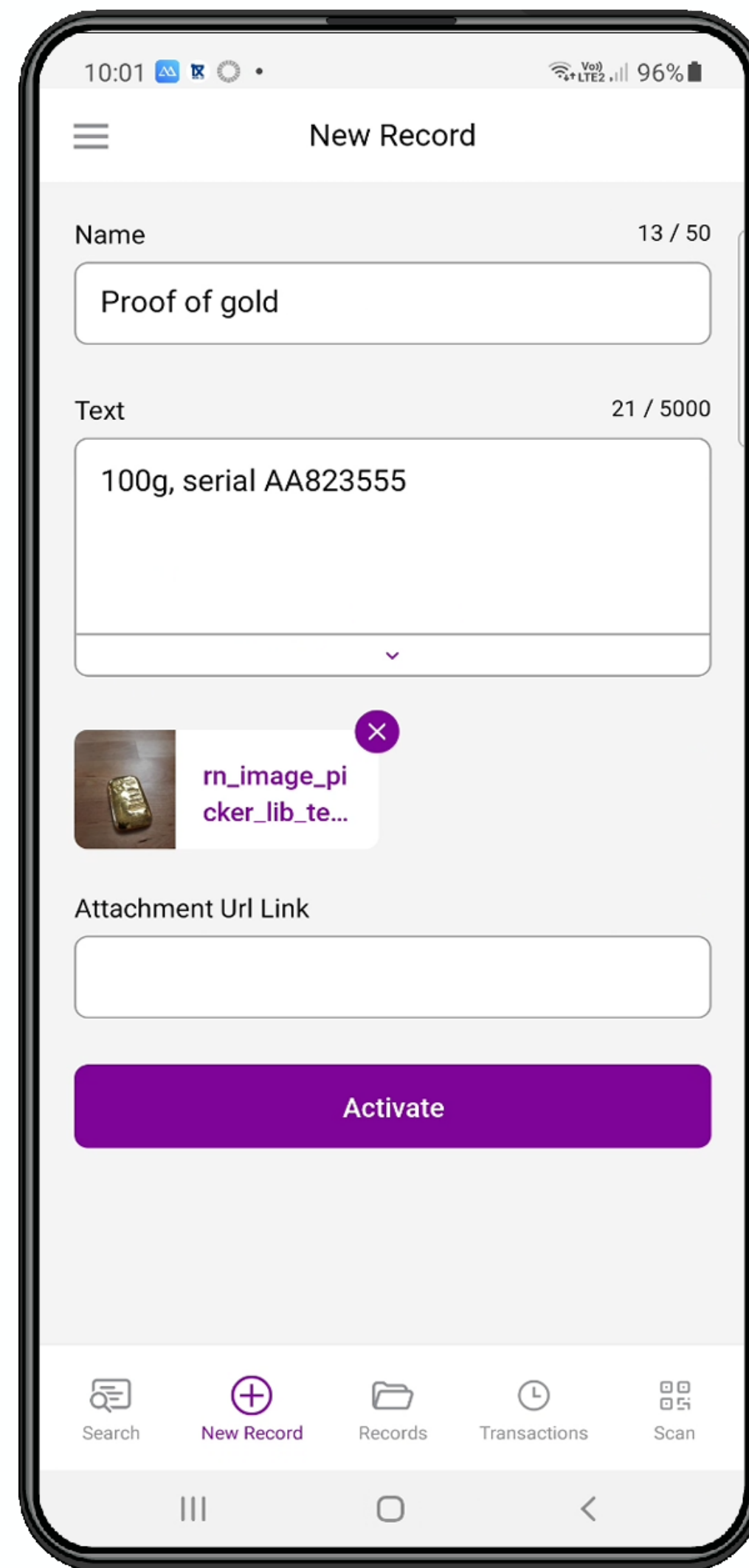
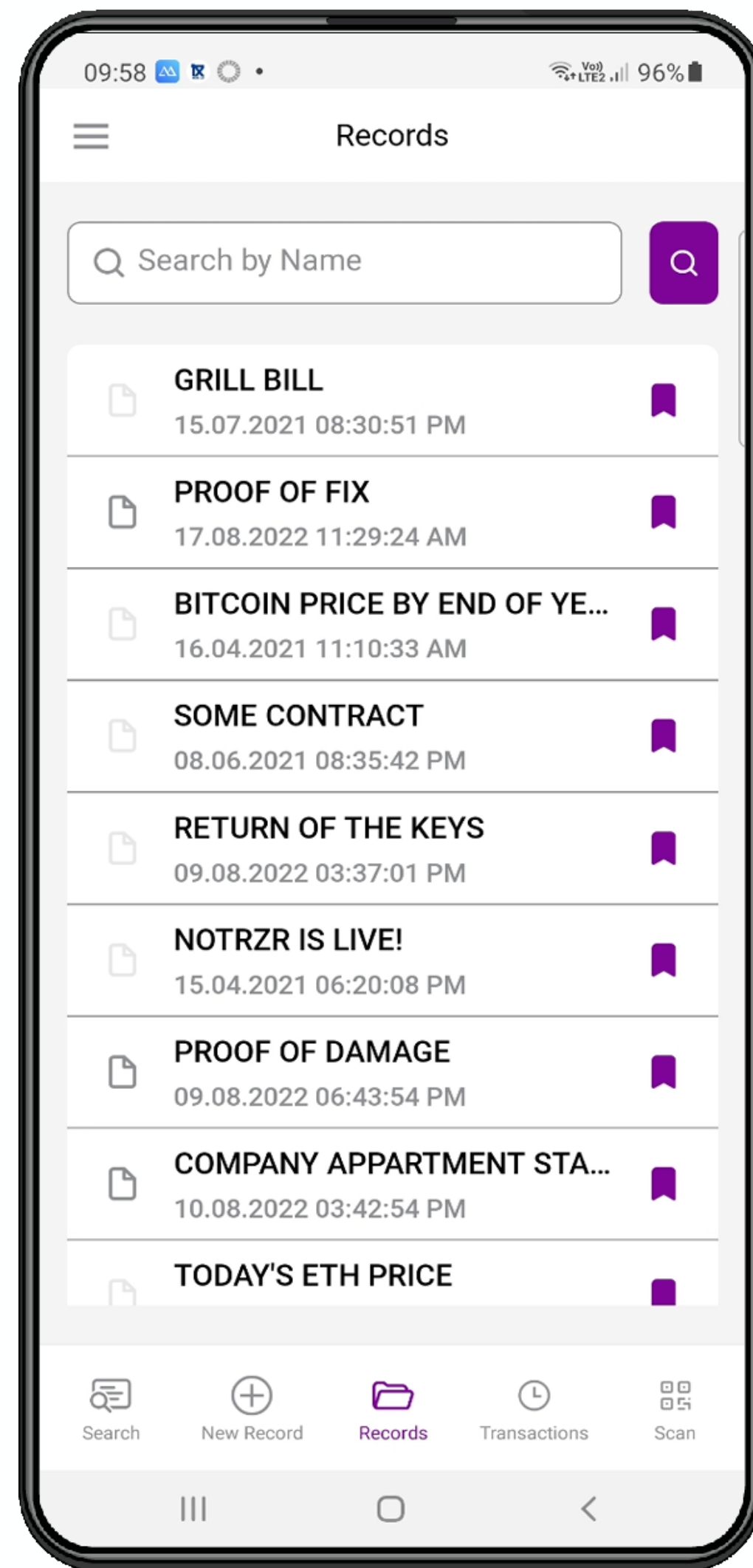
What you can do	0. BASIC	1. ADVANCED
Buy tokens	✓	✓
Redeem tokens	✓	✓
Pay with bank transfer	✓	✓
Pay with credit card	✓	✓
Pay with cryptocurrencies	✓	✓
Redeem RE to get USD with Receive: Bank transfer - USD	✓	✓
Redeem CHF to get CHF with Bank Transfer - CHF	✓	✓
Redeem USD to get USD with Bank Transfer - USD	✓	✓
Redeem CHF to get BTC with Receive: Bitcoin	✓	✓

Choose desirable tier to upgrade [GET TIER 1](#)

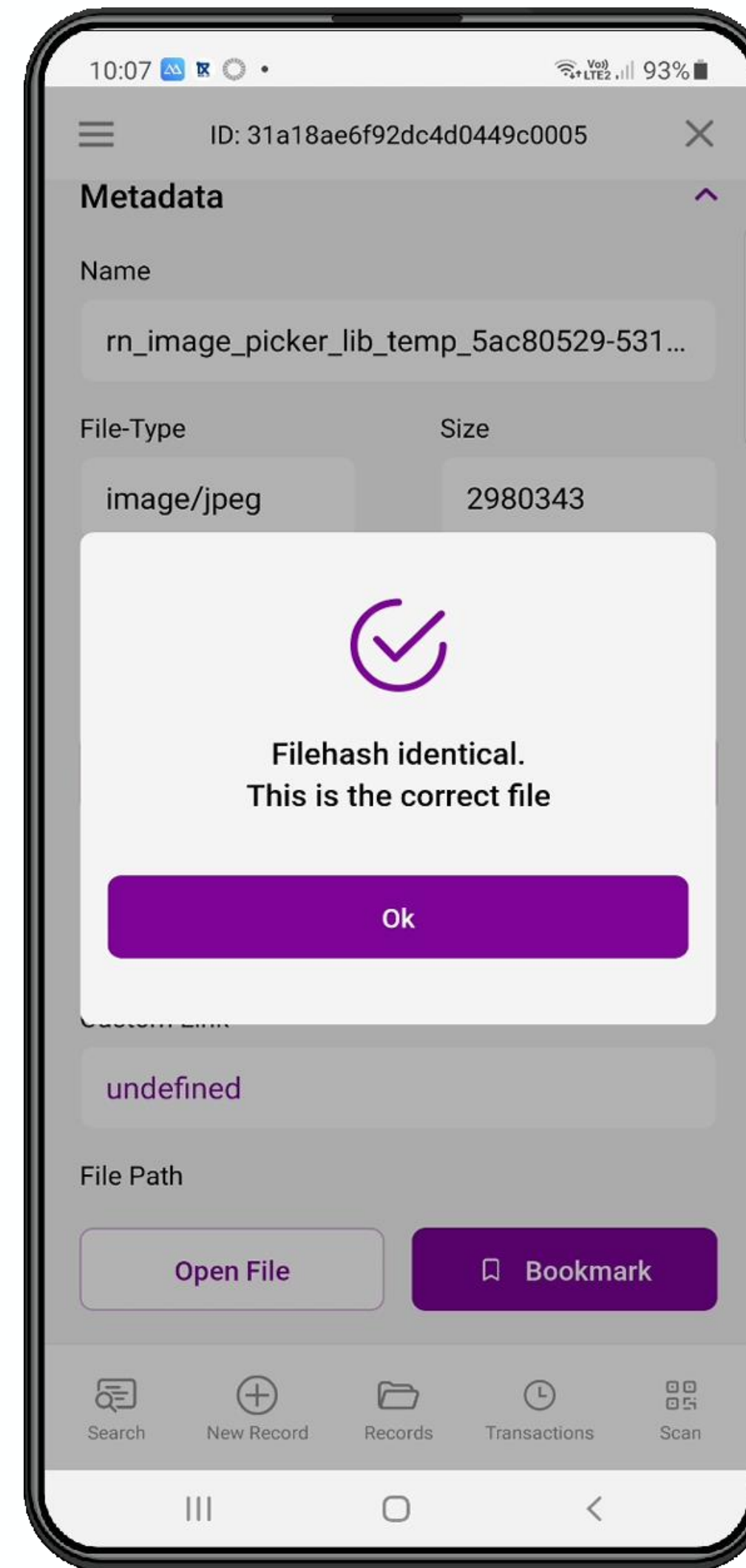
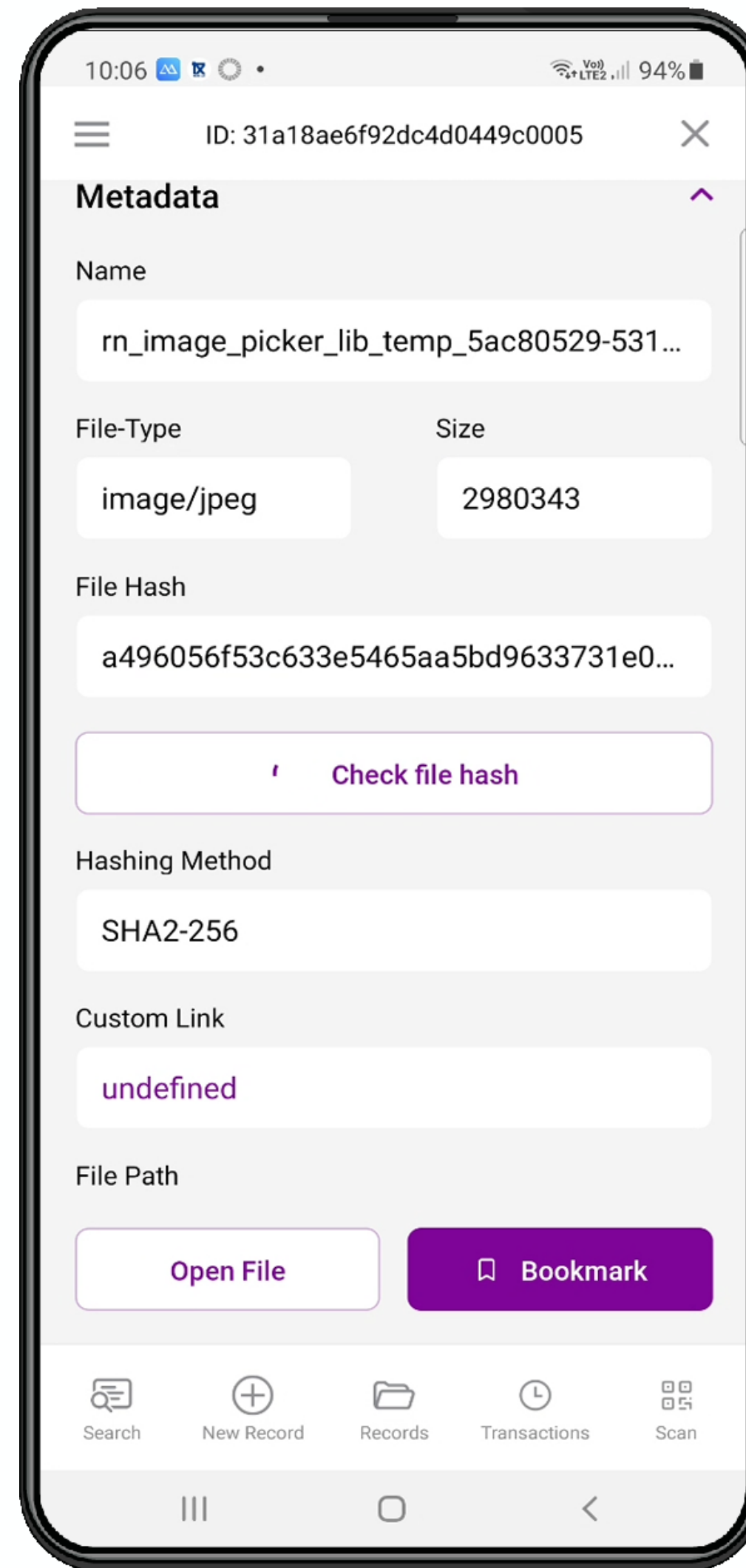
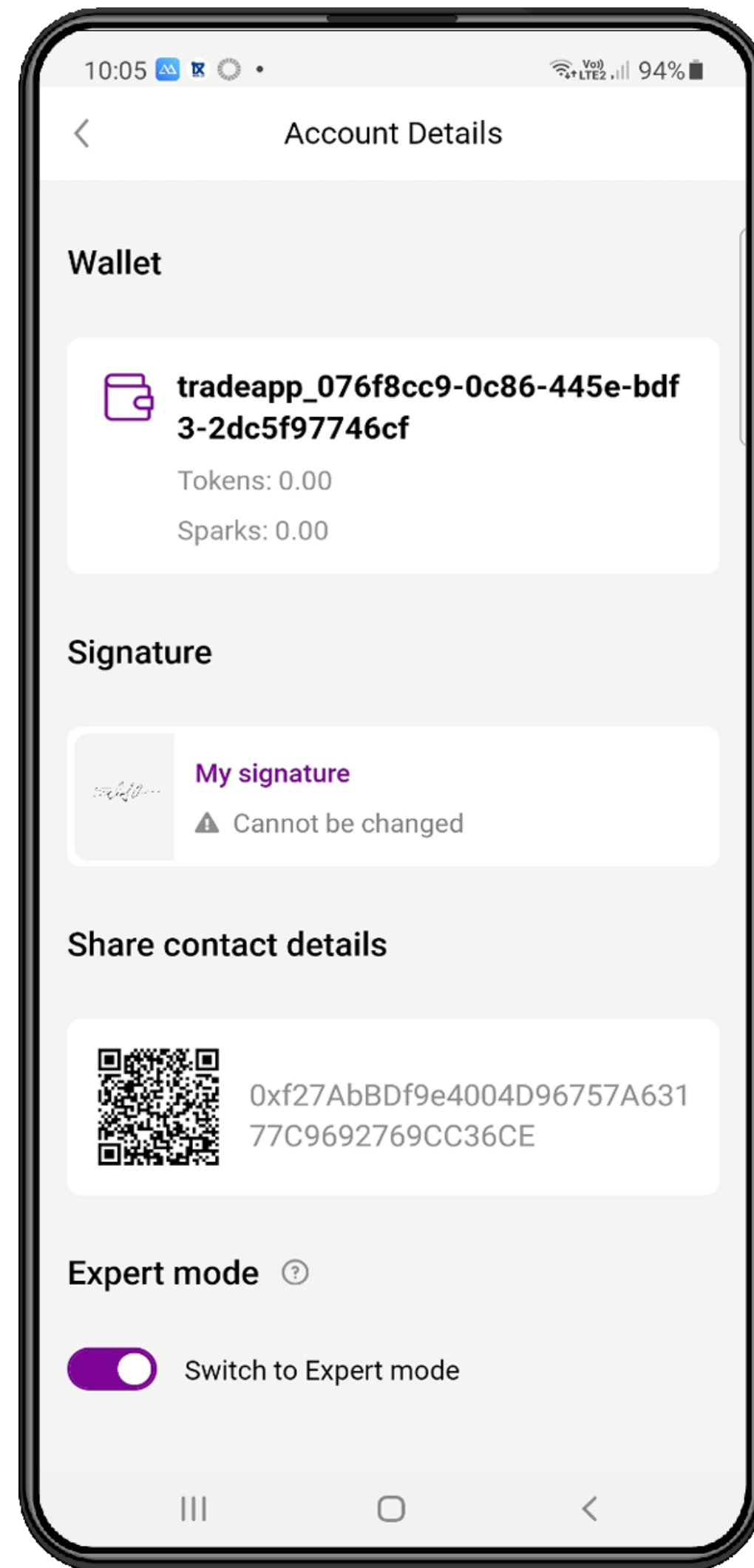
PARTNER
PRODUCT
NOTRZR



NOTARIZATION ON BLOCKCHAIN – NOTRZR APP



NOTARIZATION ON BLOCKCHAIN – UNFORGABLE TIMESTAMPED DATA

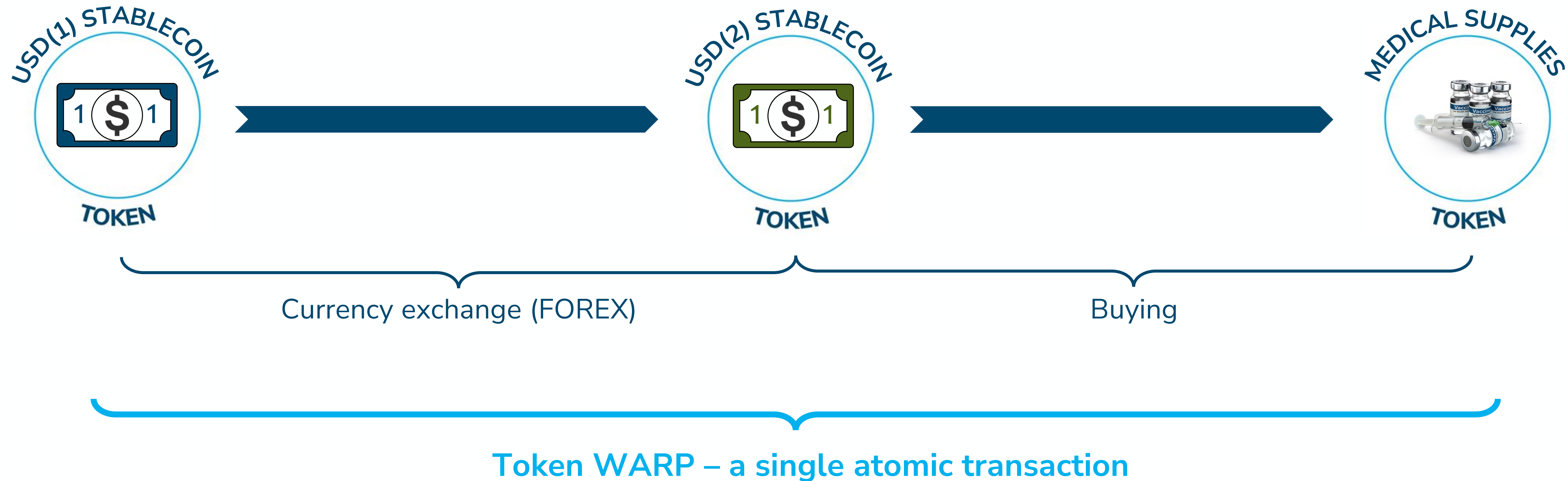


TOKEN WARP PROTOCOL



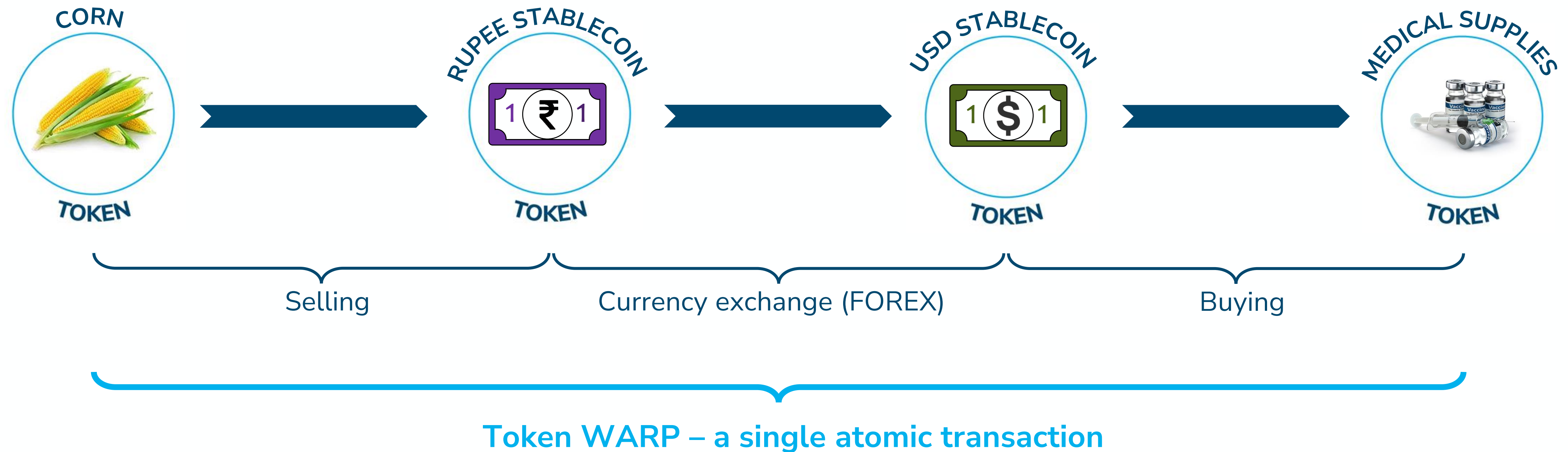
CORELEDGER INVENTED AND BUILT A SOLUTION FOR DECENTRALIZED TRADING (DEFI), WHICH IS REFERRED TO AS **TOKEN WARP (16/770,838). THE PATENT IS ALREADY GRANTED IN JAPAN AS THE FIRST COUNTRY**

AUTOMATIC CURRENCY CONVERSION COMBINED WITH A PURCHASE



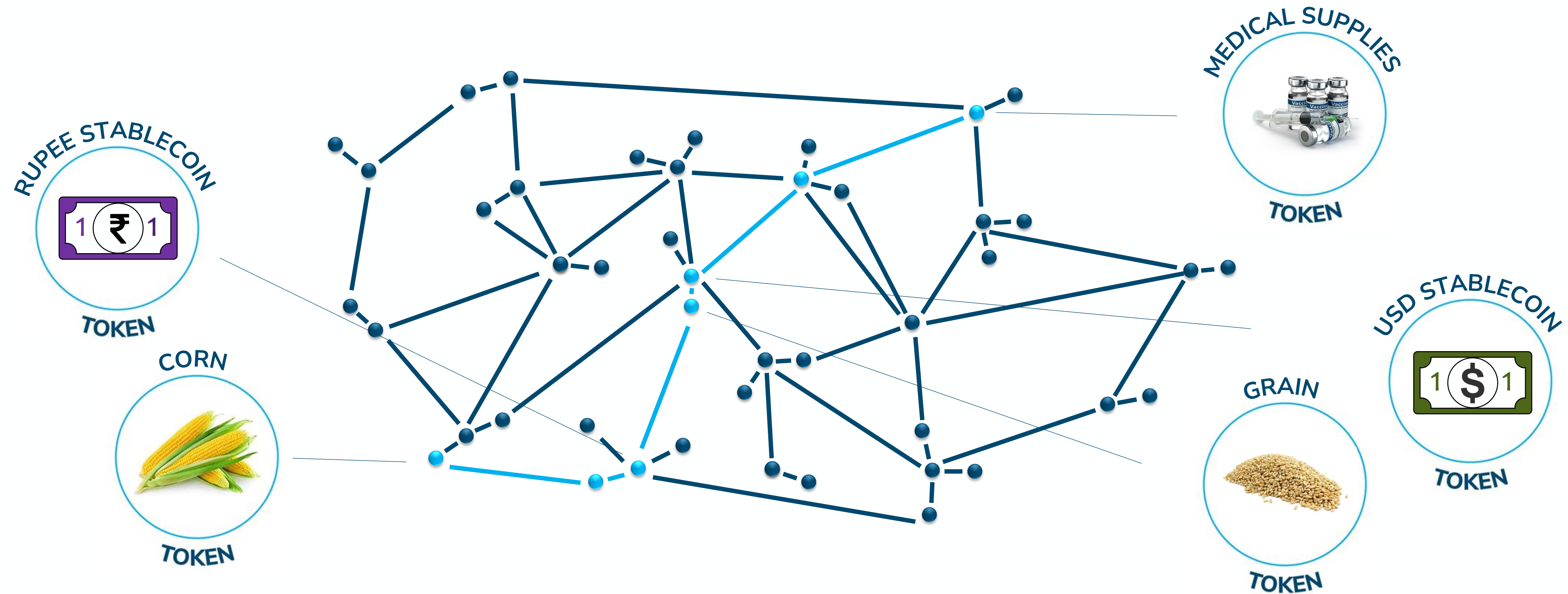
Even if two digital assets have their name and unit of measure in common, they are different assets on blockchain. If the buyer has one asset, the seller demands another, one has to do a currency exchange. The TokenWARP solves the challenge of having the proper currency.

MULTIPLE VALUE CONVERSIONS IN A SINGLE SEAMLESS TRANSACTION!



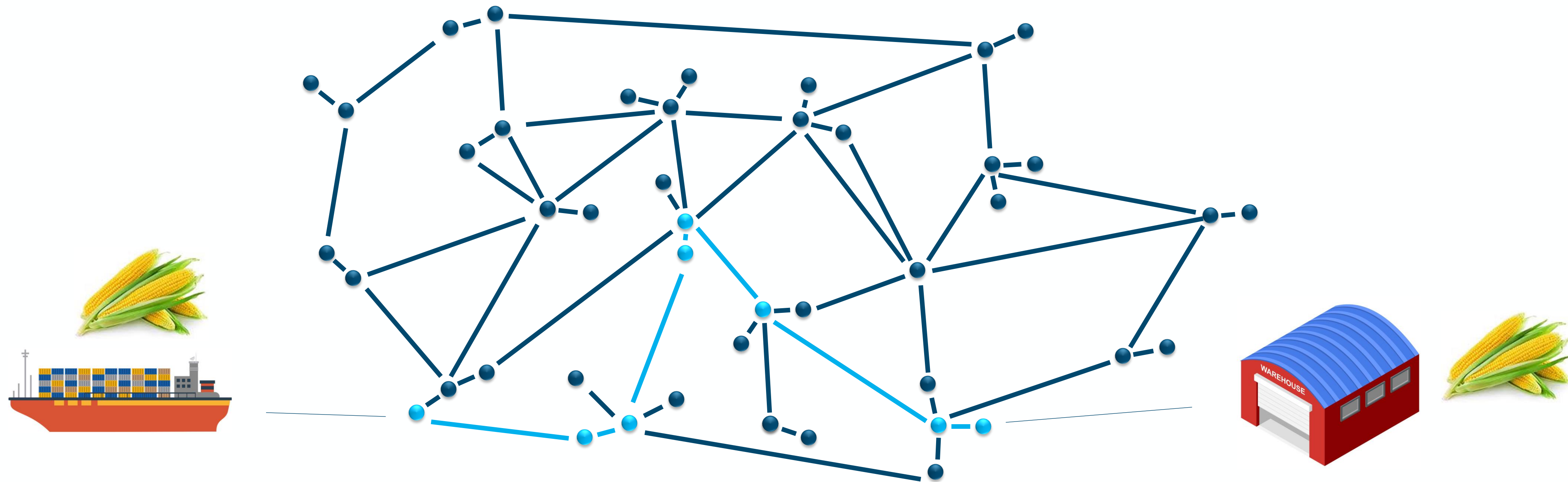
The Token WARP can combine selling, currency exchange and buying into a single atomic transaction, which unleashes tremendous potential for supply chain management, commodity trading, logistics and more

ROUTING VALUES LIKE THE INTERNET ROUTES DATA – GLOBAL BARTER



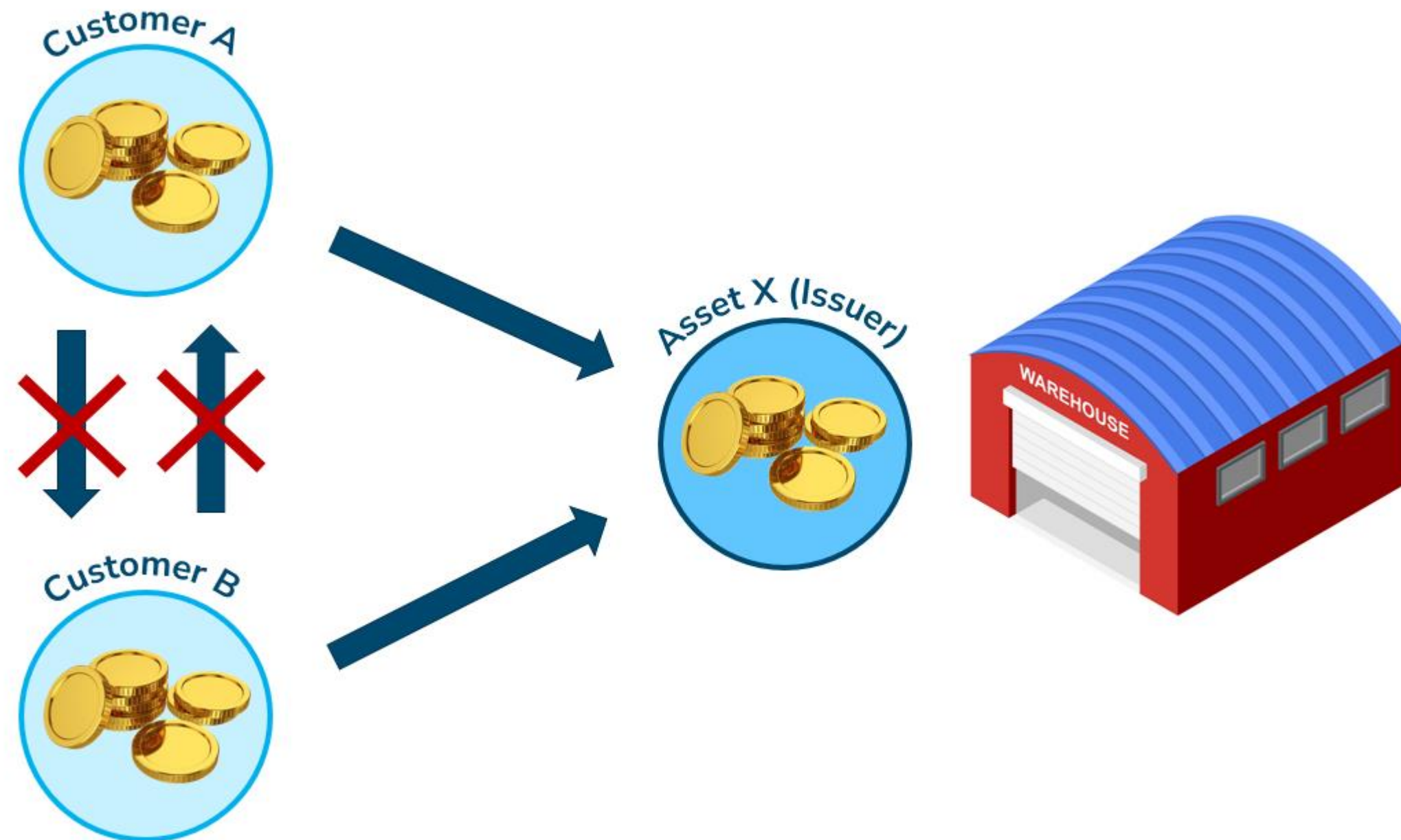
The Token WARP solves the problem of finding a matching trade-counterparty in global barter transactions by creating virtual (ad-hoc) connections between tokenized assets

MOVE CLAIMS INSTEAD OF REAL GOODS – LOCATION SWAP



The Token WARP can increase supply-chain effectiveness by swapping assets with same properties but different location.

SOLVING THE REGULATORY CHALLENGE – NON FUNGIBLE ASSETS



- New way to “tokenize” asset-backed values without creating a stablecoin
- Avoids regulatory hurdles
 - Faster go2market (months instead of years)
 - No additional cost with regulation
 - No running costs with regulatory tasks
- Perfect copy&paste solution for many companies
 - Can be applied to currencies and bank accounts, precious metals, industrial metals, equity, etc
 - Accounting for assets held in storage
 - Coupons and storage certificates

The Token WARP allows to suppress “securities features” of tokenized assets, so that they won’t count as financial products in most jurisdictions



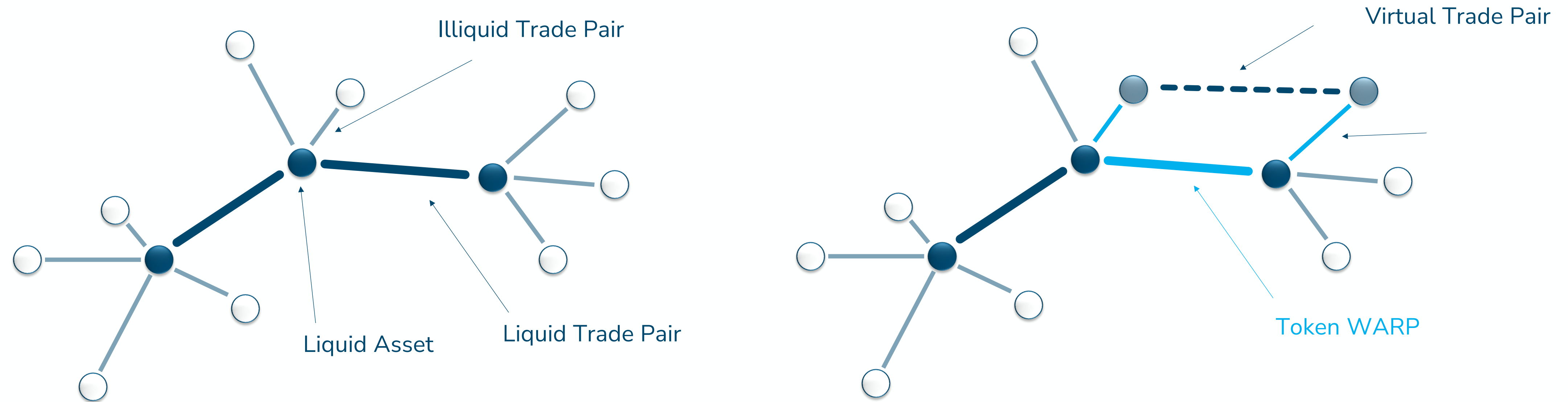
CORRESPONDENCE BANKING – SWIFT ALTERNATIVE



- Unique way of moving values between institutions
- Seamless and atomic transactions
 - No rollback or interdiction
 - Any currency
 - No involvement of the banking system
- Can be used for anything – even commodities

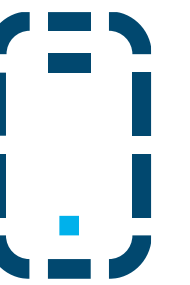
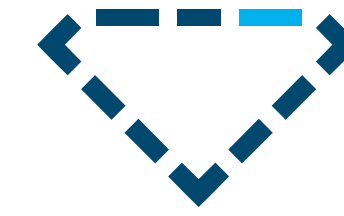
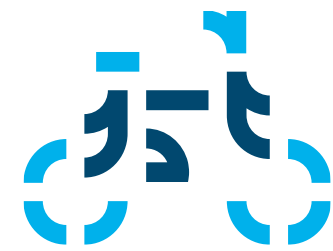
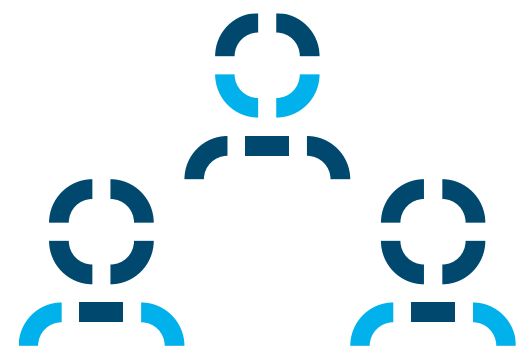
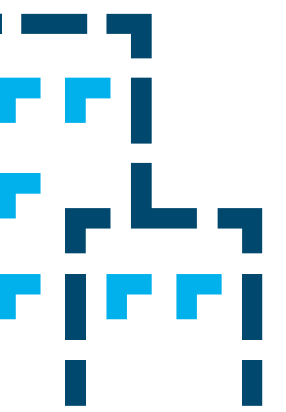
The Token WARP can be used to implement correspondence banking on blockchain and route any kind of value. Even a currency-conversion on-the-fly is possible.

SMART LIQUIDITY ALLOCATION THROUGH LIQUIDITY SHARING



The Token WARP makes assets directly tradable without the need of a dedicated orderbook. Liquidity of trade pairs along the WARP is shared with otherwise illiquid assets.

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