

ASSX Token Litepaper



ASSX



Our Mission

Our Mission is to bridge the gap between Digital and Physical Assets. To develop a community driven Alternative Asset ecosystem that comprises of Asset NFT Marketplaces, Physical Safe Asset Storage, Asset Backed DEFI Services and Grading & Appraisal Services. Utilizing blockchain & smart contract technology as a frictionless platform to transfer and verify asset ownership and a fluid token to facilitate the transactions.



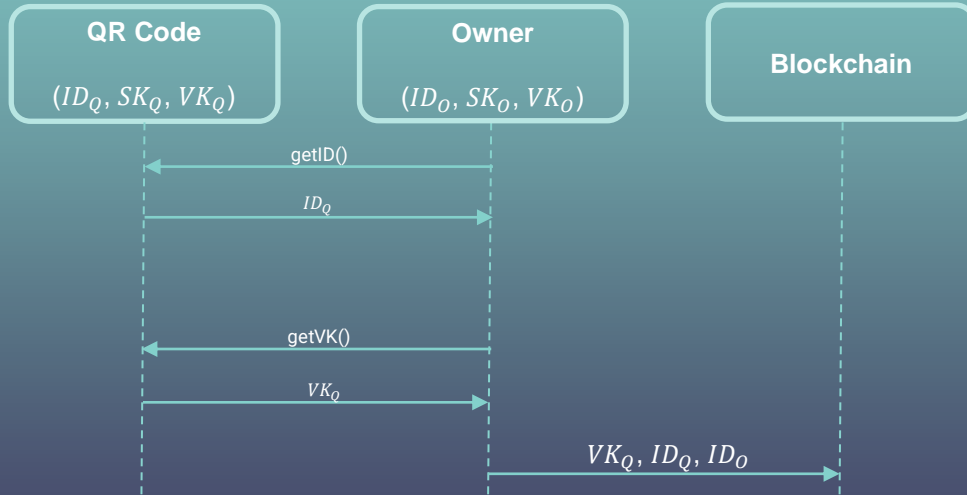
ASSX NFT Minting

Key Features

- **ASSX NFT Token Standard Properties:**
 - ASSX NFT's Can only be minted on the ASSX Platform
 - TokenID and QR Code information written into contract
 - Redeemable – The ASSX NFT will be redeemable. Once the ASSX NFT is redeemed, the owner can now take physical possession of their physical asset.
 - Minted Duration– The time the ASSX NFT is minted for. Once the minted duration has expired, the asset stored in the vault needs to be reminted as an NFT. If the NFT expires, it will be burned, and ownership of the physical asset will be relinquished.
 - Why is there a minted duration? – There are certain operational costs involved with assets being stored in the ASSX Vault. For example; the assets must be insured 100% of their value, 24hour security & surveillance, asset verification and processing. As these assets appreciate over time, the insurance costs increase as well. Hence the items need to be reminted to keep up with the changing insurance costs.
- **Minting Fee** – 10% of ASSX Appraised Value
- **ASSX NFT Expiration Management**
 - ASSX NFT Burn code will be written into the contract. When the ASSX NFT expires the Token will be auto-burned.
 - Expiration details and link to NFT Details page will be written into the contract, so users can always check when their ASSX NFT is set to expire
 - There will be an option for users to register their email and receive notifications as to when their ASSX NFT's will expire.
 - On the ASSX webpage there will be a dedicated page listing all ASSX NFTs that are minted. This page will have details of the ASSX NFT TokenID, expiration dates and owner wallet addresses.

ASSX NFT Minting – Registration Protocol

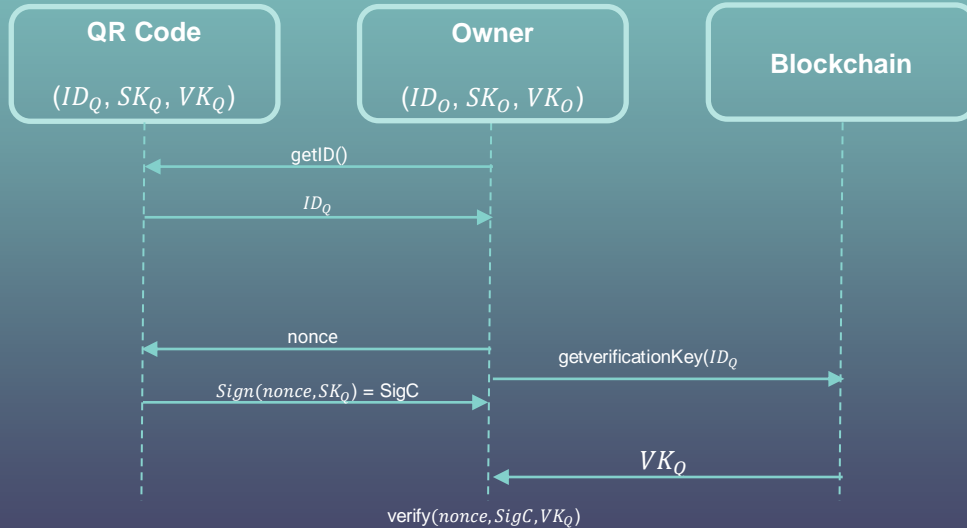
In order to register an asset onto the Blockchain, physical assets need to be minted as ASSX NFTs. The physical assets are hermetically stored in a specially designed case provided by ASSX. The case will then be sealed with a tamper proof QR Sticker. The QR Code will be associated with the original owner and the information will be stored on the ASSX NFT Contract. An example of the registration protocol is shown below.





ASSX NFT Minting Verification Protocol

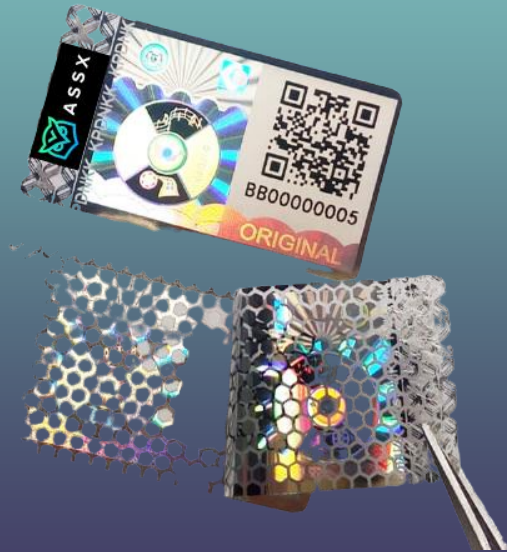
Product Verification is a crucial part of the platform during auditing of the vaults. When dealing with high valued assets, we need to be able to verify authenticity and ownership. Verifying authenticity and ownership is one of the main problems with buying and selling on platforms such as Ebay, amazon and other trading platforms. How do you know that the asset you are purchasing is authentic? How do you know that the item will be sent and not just an empty box? The ASSX Vault solves this problem by authenticating and verifying the assets. It is a passive system that is carried out periodically by the automated ASSX Vault, Smart Contracts and Blockchain for auditing purposes. To verify the asset a SHA-1 RSA 1024-byte algorithm challenge response approach can be used. Here is an example of the verification protocol:



ASSX NFT Minting

Verification Protocol — Tamper Proof QR and Case

By utilizing a tamper proof QR Code we can ensure the integrity of the physical asset. The tamper proof sticker indicates that the case has never been opened after entering the ASSX Vault and therefore the asset has never been replaced, taken or altered. If the QR code seal has been broken, the QR code will be rendered unreadable by the system during the verification process. The previously logged owner of the asset will be notified immediately, and the transaction will then be halted or canceled until a formal investigation of the incident has taken place and the verification issue has been resolved. Further details of this process will be detailed in our Whitepaper.



Alternative Asset Market Information

Sport Trading Card Market 2019

USD 13.82
Billion*

Projected Sports Trading Card Market 2027

USD 98.75
Billion*



Card Market Cap 2020

USD 426,556,477**

* Verified Market Research. 2021. *Sports Trading Card Market Size, Share, Trends, Opportunities & Forecast*. [online] Available at: <<https://www.verifiedmarketresearch.com/product/sports-trading-card-market/>> [Accessed 19 June 2021].

** Pokemarketcap.com. 2021. Pokémon Card Prices, Charts and Market Data | PokeMarketCap. [online] Available at: <<https://pokemarketcap.com/>> [Accessed 19 June 2021].

*** Ebayinc.com. 2021. eBay's 2021. [online] Available at: <<https://www.ebayinc.com/stories/news/ebays-2021-state-of-trading-cards-report-spotlights-collecting-trends-and-industry-predictions/>> [Accessed 19 June 2021].

Most Popular

TRADING CARD CATEGORIES

- 1 Pokémon Trading Cards
- 2 Basketball Trading Cards
- 3 Baseball Trading Cards
- 4 Magic The Gathering Cards
- 5 Football Trading Cards



Pokemon trading card sales increased

574%
from 2019 to 2020



PLAYER TRADING CARDS

- 1 Michael Jordan
- 2 Kobe Bryant
- 3 LeBron James
- 4 Zion Williamson
- 5 Mike Trout



POKEMON TRADING CARDS

- 1 Charizard
- 2 Pikachu
- 3 MewTwo
- 4 Blastoise



MAGIC: THE GATHERING TRADING CARDS

- 1 Force Of Will
- 2 Thoughtseize
- 3 Swords To Plowshares
- 4 Snapcaster Mage
- 5 Tarmogoyf

Alternative Asset Market Information

Notable Sales

SPORTS TRADING CARDS

1 2000 Playoff Contenders
Tom Brady Rookie RC Auto
#144 PSA 10 Gem Mint:
\$555,988



2 1996 Topps Chrome
Refractor Kobe Bryant
ROOKIE RC #138 PSA
10 GEM MINT:
\$500,000



3 1952 Topps
Mickey Mantle #311:
\$428,100



4 2018 National Treasures
Luka Doncic:
\$230,100

5 1986 Fleer Basketball
Michael Jordan Rookie
Card #57 PSA 10:
\$208,100

COLLECTIBLE CARD GAMES

1 Gem Mint PSA 10
Magic: The Gathering
Black Lotus:
\$511,100



2 1999 Pokemon Base 1st
Edition Holo Thick Stamp
Shadowless Charizard:
\$350,100



3 1999 Pokemon Base Set
1st Edition Shadowless
Holo Charizard:
\$295,300

4 Magic The Gathering PSA 10
Alpha Black Lotus Signed
by Christopher Rush:
\$250,000

5 Magic The Gathering
BGS Alpha Black Lotus:
\$165,000

The trading cards
category grew by

142%

in 2020 with over

4 MILLION

more cards sold on eBay
than in the prior year

GROWTH BY SPORT



Soccer
1586%



Basketball
373%



Hockey
258%



Football
168%



Baseball
73%



GLOBAL GROWTH

Trading card sales to other countries grew

162%



Australia
379%



China
205%



Canada
149%



Europe
113%



Market Place

The ASSX Exchange, Marketplace and Auction platform, aptly named EMA, will be a platform for users to be able to exchange, trade, buy and sell assets directly on the marketplace and hold auctions for their assets. When using EMA together with the ASSX Vault, ownership will be transferred instantly, transfer of ownership records will be logged on to the blockchain. This creates a more fluid marketplace with higher liquidity, allowing new investors to easily enter the market, regardless of location, and shipping constraints.

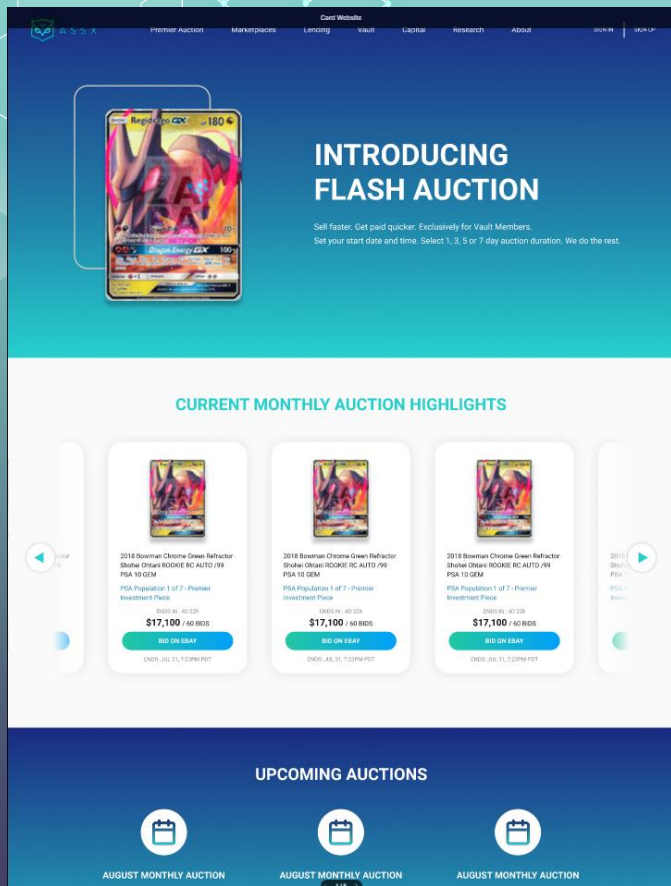
Investors can now purchase the alternative investments without worrying about authenticity of the asset, documented ownership and can easily trade assets according to their investment strategies, whether it be short term speculative trading or long-term holding.

In order to, re-invest to the community and further development the platform. Each transaction will incur a 3% fee, where 1% will be used for the platform, 1% redistribution to ASSX staking pools, and 1% to charitable foundations.

Key Features:

- Asset authentication and verification via blockchain
- Seamless change of asset ownership
- No barrier of entry into Alt Asset Investment Market
- Anyone in the world can invest
- Higher market liquidity for traders and investors


Marketplace & Auction Platform





Key Features:

- Asset authentication and verification via blockchain
- Seamless change of asset ownership
- No barrier of entry into Alt Asset Investment Market
- Anyone in the world can invest
- Higher market liquidity for traders & investors
- Guaranteed Authentic Assets

Marketplace & Auction Platform



Q Search items, collections, and accounts

Premier AuctionMarketplacesLendingVaultMore ^

Filter

Status

Buy NowOn AuctionNewHas Offers

Price

United States Dollar (USD)

Min to Max

Apply

Collections

Filter

Art Blocks Curated

Art Blocks Curated

Art Blocks Curated


10,000,000 results

All items

Capital

Research

About



2018 Bowman Chrome Green Refractor
Shohei Ohtani ROOKIE RC AUTO /99
PSA 10 GEM


PSA Population 1 of 7 - Premier
Investment Piece

ENDS IN : 4D 22h

\$17,100 / 60 BIDS

BID ON EBAY

ENDS: JUL 31, 7:23PM PDT



2018 Bowman Chrome Green Refractor
Shohei Ohtani ROOKIE RC AUTO /99
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Marketplace & Auction Platform






Premier AuctionMarketplacesLendingVaultMore






Cunning Foxes

Cunning Fox 3734

 Owned by cunningfoxes  1 view  1 favorite


Current price

 0.021 (\$50.00)

BUY NOW

Price History


All Time



No trading date yet

Listings


Description

 Created by [cunningfoxes](#)

A proud fucked up member of the Cunning Fox Club. Unique ID: 3734/82086784511759592127384020514153436690

Properties

Live Stream Platform





[Premier Auction](#) [Marketplace](#) [Lending](#) [Vault](#) [More](#)


[Top Categories](#) [Top Sales](#) [Top auctioneers](#)


Top Categories


Best categories


 Baseball


 Baseball


 Football

 Hockey

 Baseball


 Misc Sports

 Soccer


 Collectible Card Games

Top Sales


Here's a list of the best and leading past auctions held by Auctioneer. View all >>



Darta-Nyan - Unique Blockchain Cuties
Blockchain Cuties #64221
1 (\$2,410.38)
61 BIDS • 30 favorite • 1 auctioneer



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[Host my first auction](#) [Become an auctioneer and grow my community!](#) [How does it work?](#) [Prepare my live](#)

Top Auctioneers


Discover our most popular auctioneers




Matt Thiu
2,000 auctions
0 BIDS
72 followers
[Follow](#)




Matt Thiu
2,000 auctions
0 BIDS
72 followers
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0 BIDS
72 followers
[Follow](#)






[Premier Auction](#) [Marketplace](#) [Lending](#) [Vault](#) [More](#)

 **Live auction**


[Back](#)

Collection Name | SKU: #17-123


Cunning Fox 3734

 Owned by [cunningfoxes](#)  1 view  1 favorite


Lots **Upcoming** **Previous**




Lot 244
Emilio Vedova




Lot 244
Emilio Vedova




Lot 244
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Lot 244
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Lot 244
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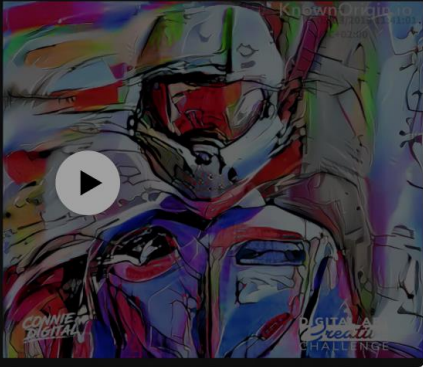
Lot 244
Emilio Vedova




When Moon ?
0.650



Kim Cardano



Digital Artwork


 **Sale ends in 2 days** (August 1, 2021 at 1:38pm +07)

07
Hours


27
Minutes

12
Seconds

Minimum bid – Reserve price not met.

 **0.01** (\$2,410.38)

[PLACE BID](#)



Regidrago GX HP 180

THIS WORK IS PROTECTED BY THE LAW



ASSX Asset Backed Lending

Introducing The ASSX Asset Backed Lending platform. The ABL is a peer-to-peer lending platform that gives asset owners, who've stored their assets with the ASSX vault, access to different financial lending services provided by the ASSX ABL Platform. Asset owners will be able to take out loans at low interest rates using their stored assets as collateral. Owners can choose to take out loans on individual assets or pool multiple assets together to apply for larger loans.

How it works:

ASSX NFT holders (ANH) select an asset they wish to take a loan out against. The (ANH) Submits a loan application to ABL Platform, the ABL Appraisal Algorithm calculates a suggested lending amount and interest rate based on ASSX EMA market data, then creates a lending package (LP). The (LP) gets listed on the peer-peer lending marketplace, where lenders can browse through listed (LPs) and choose which ones they want to participate in.

Once a lender has selected an (LP), they enter a smart contract, agree to the terms and conditions, deposit the funds, funds are then transferred to the (ANH) and the lender can now earn passive income through a lower risk asset backed loan. In the event of the (AOA) defaulting on their loan, the lender will obtain ownership of Asset.



ASSX Asset Backed Lending

Peer 2 Peer Lending



Peer 2 Peer Lending Platform

ASSX Derived Loan Packages

- Max Loan Amount 50% of Fair Market Value of the Asset
- Maximum Interest rate setting 10%
- Maximum Loan Duration 90days
- Minimum \$500 Loan Amount
- Can package multiple Assets into one loan



Fees

- \$50 Application fee
- ASSX 0.5% interest rate
- Staking of ASSX or LP Tokens can void \$50 Application fee





The ASSX Vault will be a fully automated Alternative Asset Safe Storage Facility. Here asset owners can safely store their assets in a secure facility so that we can maintain the integrity of the ASSX NFT that has been minted from the physical asset. In order to effectively transfer ownership of items as an NFT, we must guarantee that the asset is authentic, never been tampered with or re-sold offline to a 3rd party. In order to facilitate this the ASSX vault intends to be fully automated robotic verification system.

Automated robots, perform this buy pulling the asset from storage, scan the QR code, and executes the verification protocol. Once the proper security protocols have executed and the correct verification keys have been returned, the system has passed the audit and the asset is returned to its storage location.

ASSX Vaults will be secured by 3rd party security firms such as Brinks Security Services and Chubb Vaults. Auditing services will be conducted by firms like Deloitte, PWC & KPMG. Assets will be insured by companies such as Nationwide, American Collectors, Chubb and insureon.



Key Features

- Underwriters Laboratory Class 3 Vault
- Chubb/Brinks Vault Services
- Revenue Generating– From ASSX NFT Minting Fees
- Fully Insured – 100% of Asset Value
- Annual Audits – PWC, KPMG, EY
- Automated Functions – for regular self auditing and distribution, and logistical processes



ASSX Platform Fees

The ASSX platform is designed to reduce transaction costs for traders and collectors on each sale. Each transaction comes with high fees, shipping and handling costs, shipping insurance and risk of theft or lost assets. The ASSX Platform aims to eliminate the fees and risks of shipping and handling and lower transaction fees. Allowing traders to buy and sell more frequently and increase market liquidity. Below is a side-by-side comparison of the ASSX Platform transaction fees compared to existing marketplace platforms.

Competitors Transaction Fees		 ASSX
Other Card Auction Platforms Transaction Fees <small>(Not including Shipping, Handling & Vault Storage Fees)</small>	 <small>(Not including Shipping and Handling)</small>	
15%-25%	12.85%	
		2.5% Transaction Fee & 10% Minting Fee



ASSX Token Use Cases

- Native Token of ASSX Marketplace Platform
- Native Token of Lending Platform
- Liquidity Mining
- Live Stream Viewing rewards of ASSX Promo Events
(Pack openings, Premier Auctions, etc.)
- Token Staking to reduce platform fees & Entry to Special Live Events
- DAO Governance
- DAO ETF Fund Management

Grading & Appraisal Services



Grading Auditing

We aim to have onsite grading services conducted or audited by reputable grading institutions such as Card Score, Beckett, PSA, CGC and MNT



Onsite Grading Services

ASSX Vaults will have onsite grading services available in the future.

ABL Appraisal Algorithm

The ABL Appraisal Algorithm utilises market data taken from the EMA platform to give proposed market valuations of assets.

MEET THE ASSX TEAM



TAM NGUYEN
Co-founder & CTO

With more than 25 years experiences in the IT industry, Tam has acquired strong technical and hands-on expertise on building and delivering high performance products to achieve revenue goals and technology innovation. He is the cofounder and CTO of TBlabs.org which has developed numerous projects such as defily.io, lifeonmars.org and GetDone.co

<https://www.linkedin.com/in/tamnguyentrung/>



VINCENT LU
Co-Founder and CEO

With over 40 years of business management and entrepreneurship. Vincent Lu has amassed extensive experience in the business sector. Vincent has consulted for and held directorial positions for Multinational Corporations such as Nestle. He also founded Global Agritech, an Agricultural Tech company and HPK Technologies.

<https://www.linkedin.com/in/vincenlu168/>



ANH NGUYEN
Co-founder & CSO

Anh Nguyen is a highly talented Blockchain Programmer and Computer Science Engineer. He is the brainchild and CEO behind Tesse.io an online teaching platform and he is also the CEO and founder of TBlabs.org, which has developed numerous projects such as defily.io, lifeonmars.org and GetDone.co

<https://www.linkedin.com/in/anhnguyen2311/>



BUI LINH
Marketing Manager Asia

A passionate Software engineer, I have worked in several projects which is not only involving software development and support but also in developing and managing user communications.

<https://www.linkedin.com/in/bui-linh-1514a3223/>



KEVIN LU
Co-founder

A blockchain enthusiast with a strategic vision on its vast potential uses cases. Kevin is developing a novel decentralized business model combining blockchain and physical assets to create Asset Backed NFT;s that integrates into an ecosystem of exchange, trade and Asset Backed Defi. He has experience is developing businesses around the world for companies in the Financial & Tax Services Sector, Logistics and Automated Warehousing for Multinational Corporations.

<https://www.linkedin.com/in/kevin-lu-2b05b7b8/>



Elena Sinelnikova
Senior Advisor

Elena Sinelnikova is a software architect with over 20 years experience developing public enterprise solutions for the Canada's government and law enforcement. She turned serial entrepreneur and built multiple startups. Among them CryptoChicks women's blockchain education hub with programs and chapters in 56 countries and Metis Web3 economy platform with the community of hundreds of thousands people and market cap of \$150 million. In the past few years Elena won numerous awards, including Best Blockchain Startup Award and Canada's Top Woman in Blockchain Awards.

<https://www.linkedin.com/in/esinelnikova/>

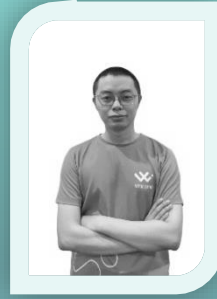
MEET THE A S S X TEAM



Steven Ha
Lead Blockchain Dev



Tran Duy Bau
Frontend Developer



Trinh Dinh Phuong
Backend Developer



Nguyen Dinh Hoang Thang
Fullstack Developer



Hoang Xuan Quang
Backend Developer



Mario Acuzenza
Community Manager



ASSX Partnerships



METIS

Legal Council Provided By :

Taylor Vinters 

Vault Services Provided By :

GUNNEBO®

For a safer world

Media Services Provided by:

INVESTOR
BRAND
NETWORK

IBN



**Thank you for your
support**



ASSX

- Website: www.assx.me
 - Telegram - @AssxCommunity
 - Twitter - @AssxToken
- 