



METaverse GREEN
EXCHANGE

Leveraging the MetaVerse to Reach Carbon Neutrality

Wall Street Green Summit, March 31, 2022

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Executive Chairman of MetaVerse Green Exchange and Asia Green Fund

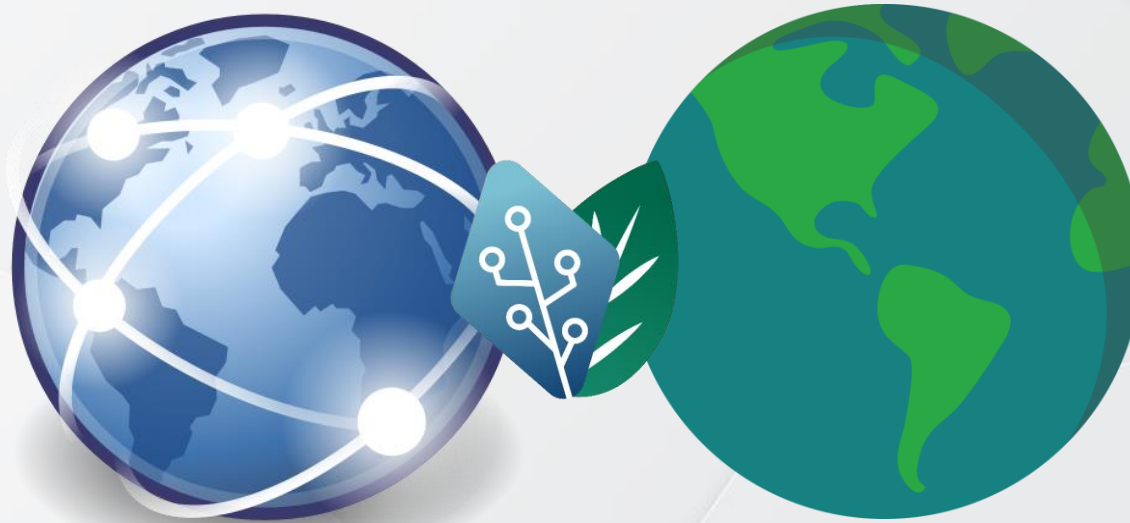
THE METAVERSE: GENERAL IMPRESSION



THE METAVERSE & GREEN MACRO TRENDS

Metaverse

- AI
- AR/VR
- Big Data
- Block Chain
- Cloud Computing
- Internet of Things



Green

- Carbon Credits
- Solar
- Wind
- Hydrogen
- Electric Vehicles
- Direct Air Capture



Crypto Assets

>US\$3 Trillion



Carbon Market

>US\$272 Billion



Asset Backed Securities

>US\$3 Trillion



THE METAVERSE OF ASSETS

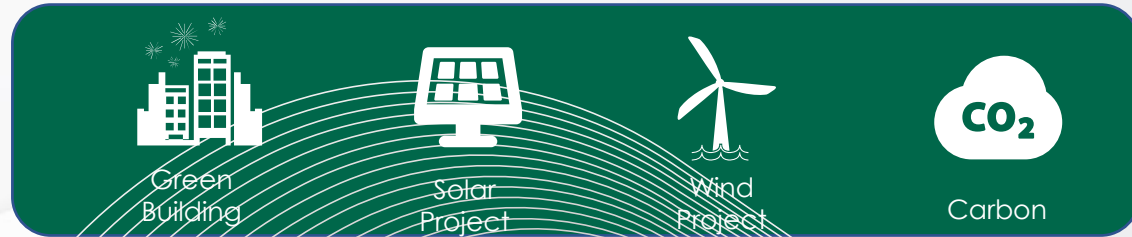
THE RISE OF NFT and ITS INSUFFICIENCY FOR GREEN ASSETS



NFTs ARE FOR “DEAD” ASSETS
REAL WORLD GREEN ASSETS ARE “LIVE”

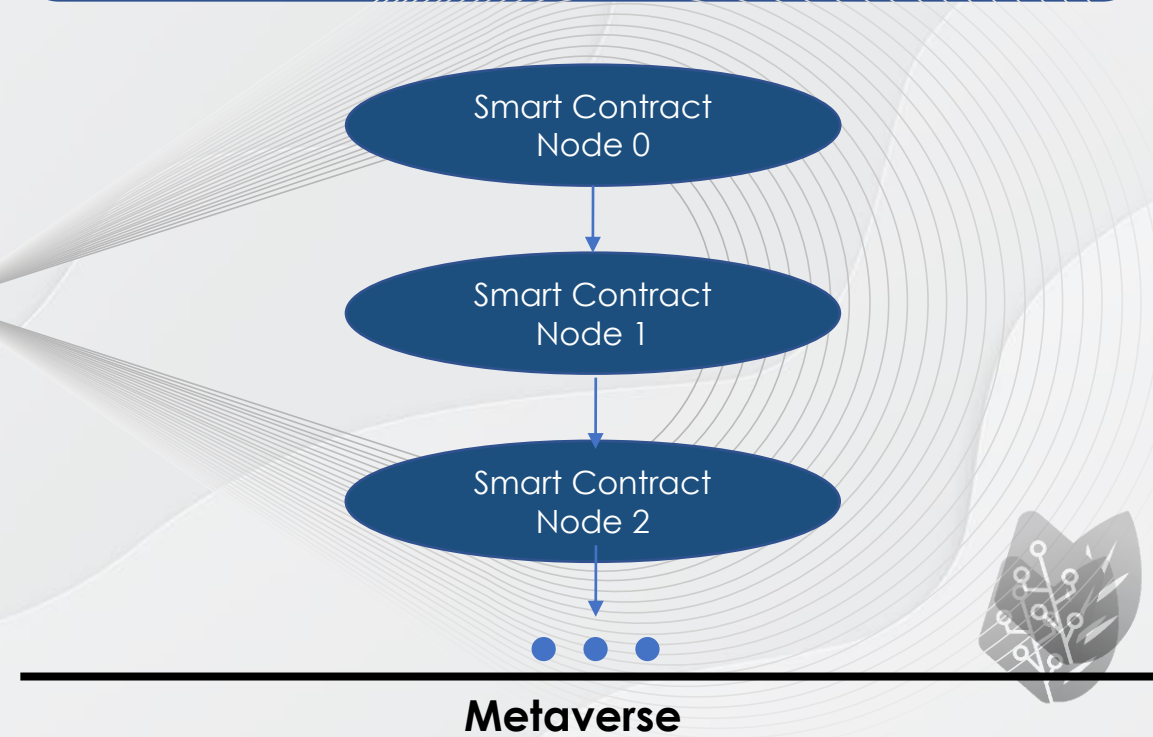
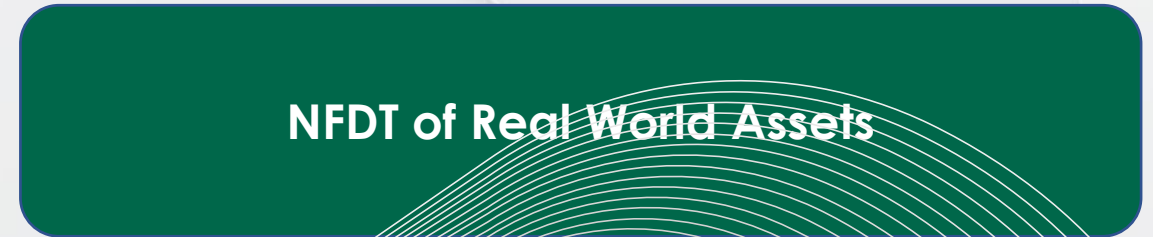


THE METAVERSE: NFDTM FOR LIVE ASSETS: MVGX'S PATENT-PENDING "NON-FUNGIBLE DIGITAL TWIN"

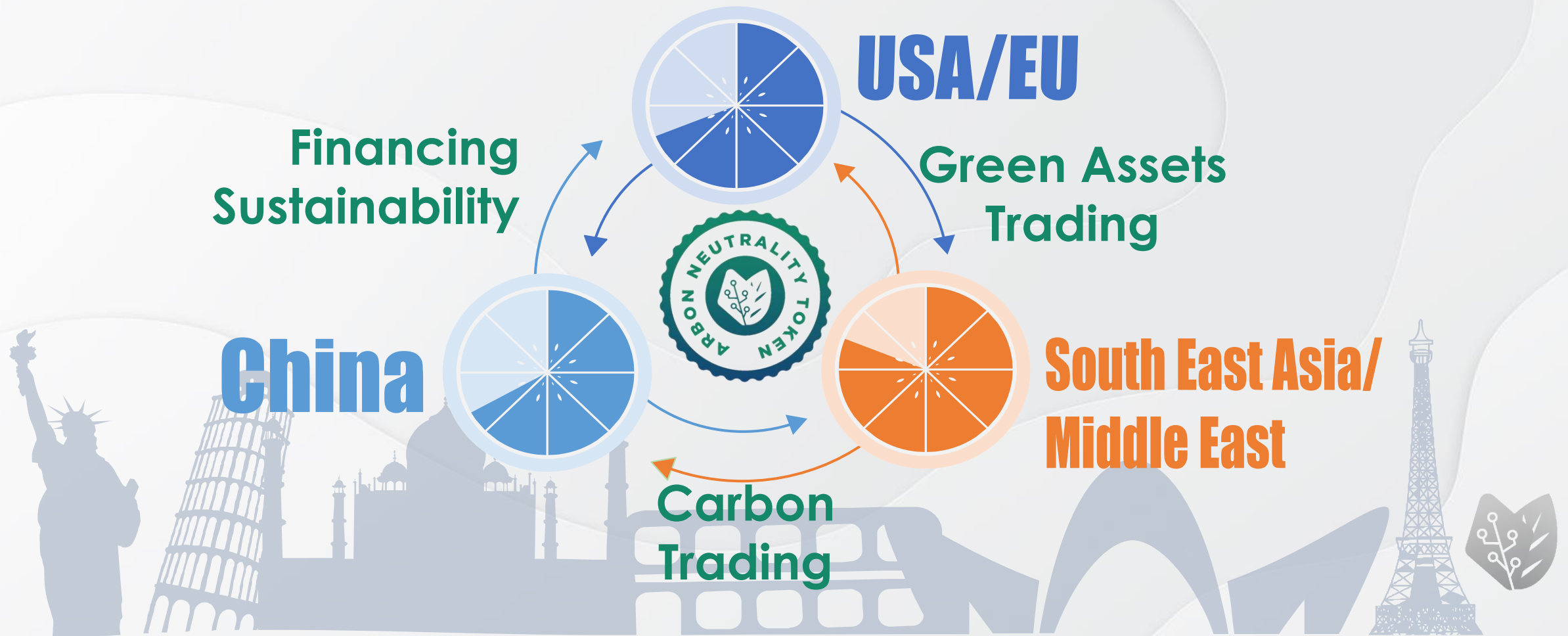


		Characteristic of one object						
		Raw Material	Supply chain	Manufacture parameter	Carbon footprint	Ownership title	Revenue	cost
TIME	0							
	1							
	2							
	3							
	4							
	...							

Real World Objects

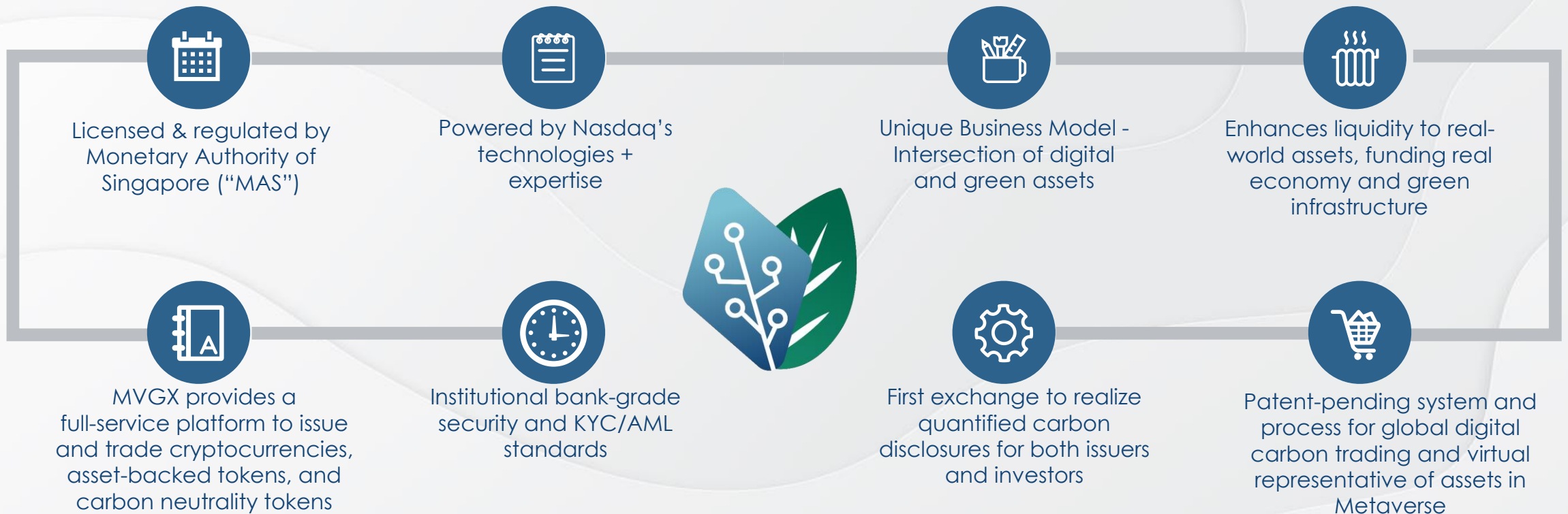


Vision: A Global Trading Network for Carbon and Green Assets Empowered by MetaVerse Technologies



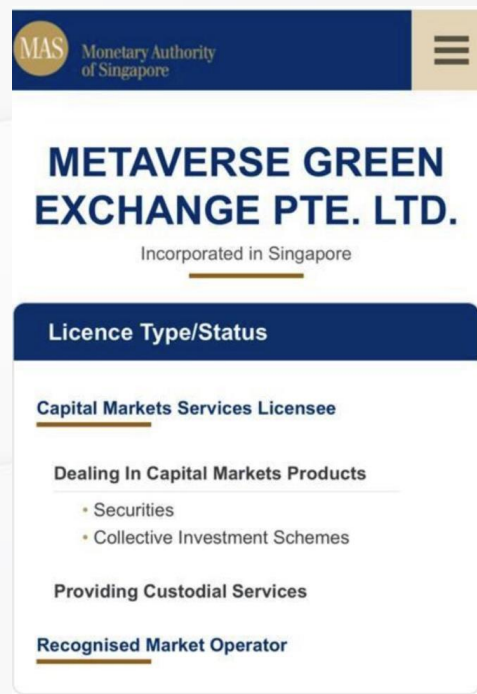
ABOUT METAVERSE GREEN EXCHANGE (“MVGX”)

Founded in 2018 and based in Singapore, MVGX is committed to become the bridge connecting different carbon trading markets, connecting digital assets and traditional financial industries, and connecting the illiquid asset in real economy with wider investor accessibility, through its patent-pending Non-Fungible Digital Twin (NFDT™) and Carbon Neutrality Token (CNT™) .



A LICENSED FINANCIAL INSTITUTION FROM KEY FINANCIAL HUB

Licensed & Regulated by Monetary Authority of Singapore (MAS)



Recognized Market Operator (RMO)

- ✓ Exchange for digital asset backed securities
- ✓ Exchange for crypto assets-linked products

Capital Market Services License (CMS)

- ✓ Provide digital asset custodial service
- ✓ Dealing in Securities
- ✓ Dealing in Collective Investment Scheme

Payment Services Act (PSA)*

- ✓ Crypto assets (BTC/ETH) spot trading
- ✓ Direct fiat on-ramp/off-ramp
- ✓ Global money transfer

*Operated by Cyberdyne Tech Services, a fully owned subsidiary of MetaVerse Green Exchange (formerly known as Cyberdyne Tech Exchange), and currently under license exception.

A WORLD-CLASS DIGITAL EXCHANGE PLATFORM



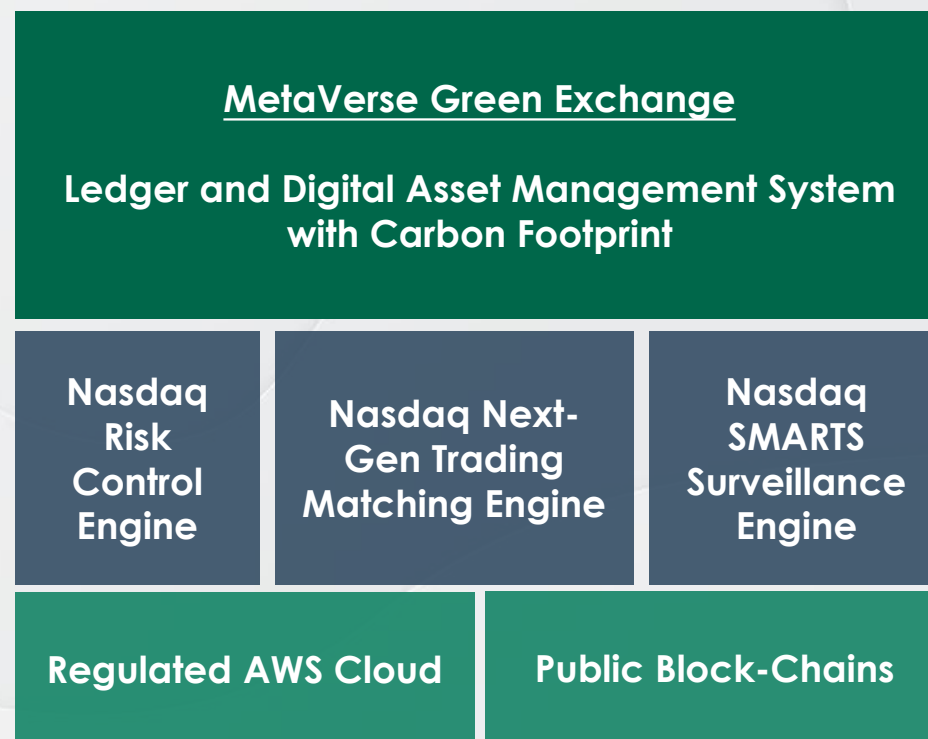
25 years continuous innovation of trading platform technology and accumulation of operating experience

50 countries, **100+** exchanges, clearing and CSD

13 national regulators

Based on the NASDAQ technical system, MVGX created a proprietary asset evaluation and management support platform for digital economy.

Providing clients a Complete Trading Cycle



- ★ Matching engine
- ★ Index calculator
- ★ Market surveillance
- ★ Real-time pre-trade risk Management
- ★ Collateral management
- ★ Settlement, custody
- ★ Market intelligence
- ★ QA + testing



Background - Article 6 of the Paris Agreement and Challenges for Global Carbon Trading

Article 6 of the Paris Agreement aims at promoting integrated, holistic and balanced approaches that will assist governments in implementing their NDCs through voluntary international cooperation. This cooperation mechanism, if properly designed, should make it easier to achieve reduction targets and raise ambition. In particular, Article 6 could also establish a policy foundation for an emissions trading system, which could help lead to a global price on carbon.



Problem?



Challenging International Cooperation on Voluntary Emission Reductions

The global implementation of market mechanism is complex because every country has its own position and interests



Sovereign Ownership Issues Related to Nationally Determined Contribution (NDC)

NDC requirements by developing countries under Paris Agreement make CDM style trading challenging



THE PARIS AGREEMENT

Powered by Patent-pending Technologies: Carbon Neutrality Token (CNT™)

CNT : A proprietary methodology to separate sovereign ownership matter (NDC) from financial characteristic of VERs

- A private sector solution of global carbon trading with NDC Transfer or without NDC transfer right
- A market-based solution powered by technologies and supply-demand
- A proprietary patent-pending system to allow cross-border international trading of VERs



Conduit for international financing for green infrastructure projects in developing countries. All CNTs derived from VERs channel capital to the real economy

As the VERs are permanently frozen in its host country before a non-fungible digital twin is created, the VERs' ownership never leaves its host country; hence there is no NDC issues



A highly scalable process for international VERs trading across multiple jurisdictions, generating profits for both issuer and investors, while attracting capital to fund green assets

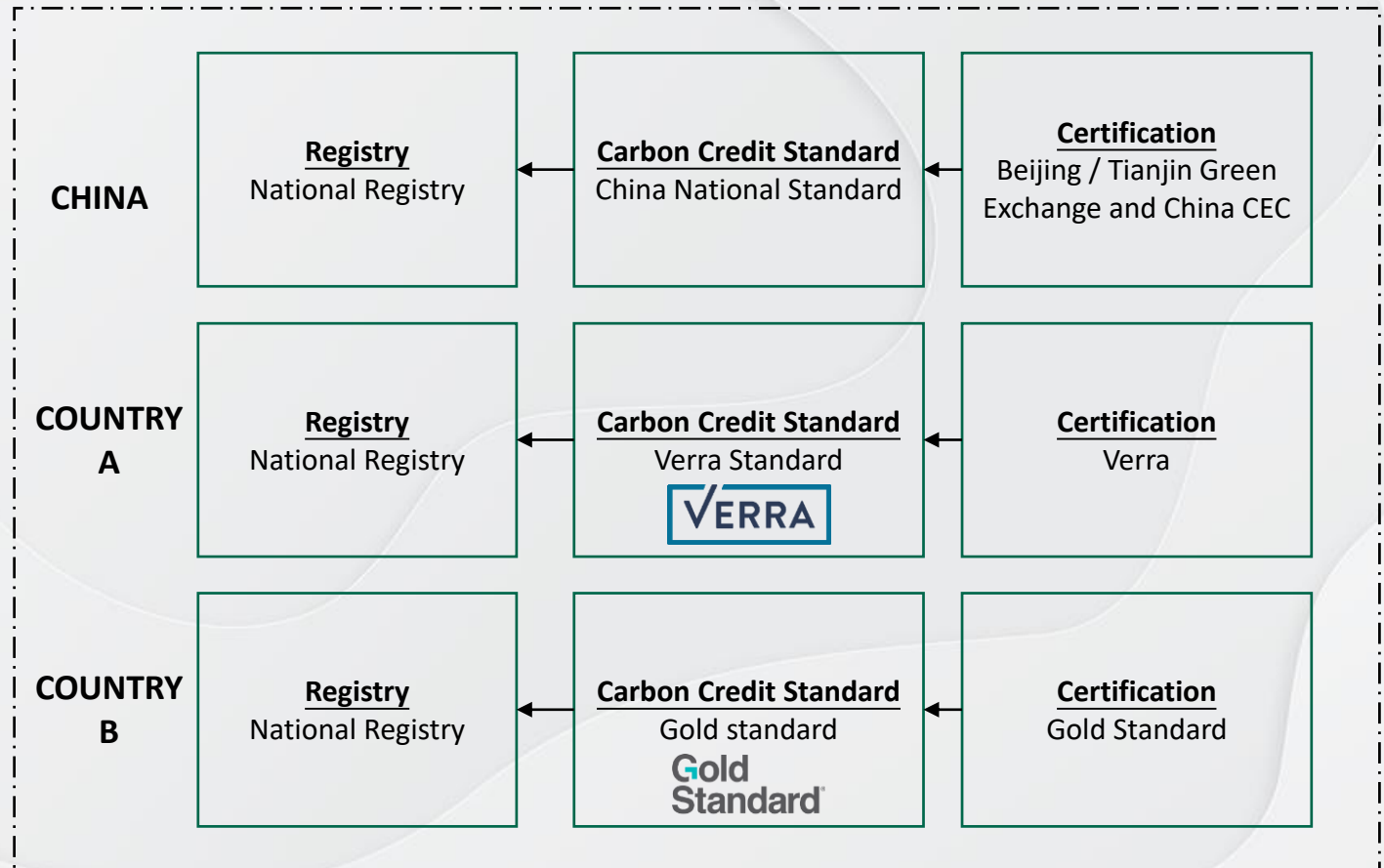
Incorporating Various Carbon Credit Standards (Verra and Gold Standards etc.) into CNT



Type of carbon credits backing CNT



- Verra and Gold Standard are merely different *standards* to create carbon credits
- If Verra and Gold Standard are adopted by national registries, MVGX can also incorporate these carbon credits to back CNT



MVGX PROCESS OFFERS THE HIGHEST LEVEL OF INTEGRITY

Two Pillars of Integrity

01 Highest Certification Standards

- Carbon credits are registered with national registry, which avoids double counting and NDC issue
- Carbon credit standards acknowledged by national registry and certified by independent accredited firms
- ISO14064 Carbon footprint standard
 - ✓ Supersedes regional, national, or industrial standards
- PAS2060 Carbon neutrality
 - ✓ Only Internationally recognized CN standard
 - ✓ In the process of migrating into ISO 14068

02 Highest Technology Standards

- ✓ Transparent
- ✓ Immutable
- ✓ Traceable
- CNT™ technology tracks and guarantees the integrity of the carbon credit creation process
- NFDT™ technology tracks and guarantees the integrity of the carbon footprint verification and carbon neutrality

Bridge Carbon Trading Markets from Different Jurisdictions

- MVGX Product: Carbon Neutrality Token ("CNT")



What is CNT?

One CNT is a Digital Depository Receipt ("DDR") of One Tonne of Verified and Registered Carbon Voluntary Emission Reduction

CNT is a type of asset-backed token ("ABT"), which is essentially the digital version of asset-backed securities ("ABS") in traditional markets.

1

CNTs issued via MVGX are recognized by the Monetary Authority of Singapore as a unit of a restricted, non-CMP, under Singapore's Securities and Futures Act (SFA) (Cap 289).

2

CNT's fundamental value is directly linked to the value of its underlying asset VERs, such as China's CCERs for this offering

3

Underlying assets of CNTs are VERs certificated certified by a few of the most reputable certification firms such as DNV, Bureau Veritas, and the China Quality Certification Center.

4

Underlying assets of CNTs are VERs registered in national, regional, or international registries to avoid any double counting of emissions reduction.

5

Underlying VERs are permanently frozen in their home registries so that the VERs will not be used for any commercial applications in the real world.

6

VARIOUS PURPOSES FOR CNT/C-CNT

The carbon footprint of every asset will be independently verified and tracked on the blockchain, so both the issuer and investors on MVGX will realize carbon footprint disclosures

01 Carbon Neutrality for Investors' Portfolio

For example, Account A buys CNT from Market with \$10/CNT:

Before Trading



After Trading

Portfolio Value = \$5M				Portfolio Value = \$5M			
Carbon Footprint = -17,000				Carbon Footprint = 0			
Assets	Instruments # of shares	ECON (\$)	ENV (CO ₂)	Assets	Instruments # of shares	ECON (\$)	ENV (CO ₂)
Brown Assets	100	\$4M	-17,000	Brown Assets	100	\$4M	-17,000
USD	N/A	\$1M	0	CNT	17,000	\$170k	17,000
				USD	N/A	\$830k	0

- ✓ Able to neutralize investors' financial portfolio
- ✓ Benefit from future appreciation of CNTs

02 Carbon Neutrality for real-world assets or products

Asset owner satisfies ESG requirements from shareholders to reach carbon neutrality in a real world.

Example



Asset owner of
- A building with -1000 tCO₂e
- A electricity sales company with -1000 tCO₂e
- A digital device with - 10 tCO₂e

Purchase CNT on MVGX to offset the carbon emission to create carbon neutrality assets or products

Permanently freeze the CNTs and get the 3rd party carbon neutrality certificate

Carbon neutral assets or products

(tCO₂e = tonnes of carbon dioxide equivalent)



EXAMPLE OF FIRST OFFERING OF CNT

HIGH QUALITY UNDERLYING ASSET - WIND POWER

On 23 Sep 2021, MVGX (previously known as CTX) offered 10,000 units of CNT as Digital Depository Receipts of a Chinese Certified Emission Reduction ("CCER") for 10,000 tonnes of carbon credits certified by a leading Chinese agency and registered on China's national carbon registry. The carbon credits were generated by an operating wind project in Zhangjiakou (2022 Winter Olympics City) developed by China General Nuclear Wind Power Company, a China central state-owned entity.



Bridge Illiquid Assets in Real Economy Through One-Stop-Shop Full-Service Infrastructure

- Asset Backed Security(ABS) Market & MVGX Products Offering

Scale of ABS Market

U.S.	ABS	US \$9 Trillion
	Equity Market	US \$1 Trillion
China	ABS	RMB 2 Trillion
	Equity Market	RMB 900 Billion

MVGX Product Offering

- Asset-backed tokens are essentially the digital version of asset-backed securities ("ABS") in traditional markets.
- Asset-backed tokens have code that contains pre-determined legal and/or economic rights pertaining to an underlying real-world asset e.g., real estate, artwork, equity, carbon credits, etc.
- An asset-backed token's fundamental value is directly linked to the value of its underlying asset
- Asset-backed tokens issued via MVGX are recognized by the Monetary Authority of Singapore as collective investment scheme, under the Securities and Futures Act (SFA) (Cap 289)

MVGX Digital ABS Product:

Enhances Liquidity to Various Real-World Assets and Funding Real Economy and Green Infrastructure

Artworks



Diamonds



Real Estate



Private Unicorns



Real Economy and Green Infrastructure



Green
Industrials



Sustainable
Agriculture



Zero-Emission
Mobility



Wind Projects



Solar Projects



WE OFFER A FULL-SERVICE PLATFORM



Primary Issuance

We provide qualified issuers a regulated platform to launch Asset Backed Tokens (ABTs) that are backed by real-world assets (e.g. green infrastructure, real estate, artwork or digital assets).



Secondary Trading

Powered by **Nasdaq**, our trading architecture allows institutional clients and Accredited Investors to trade ABTs and Digital Assets.



Settlement

Settlement is recorded and updated via an electronic ledger during trading hours. Post-settlement is broadcast onto the blockchain at pre-determined periods.



Custody

We provide custodial services for our clients' digital assets where the security tokens are stored offline in cold wallets, which are kept in a secured location.

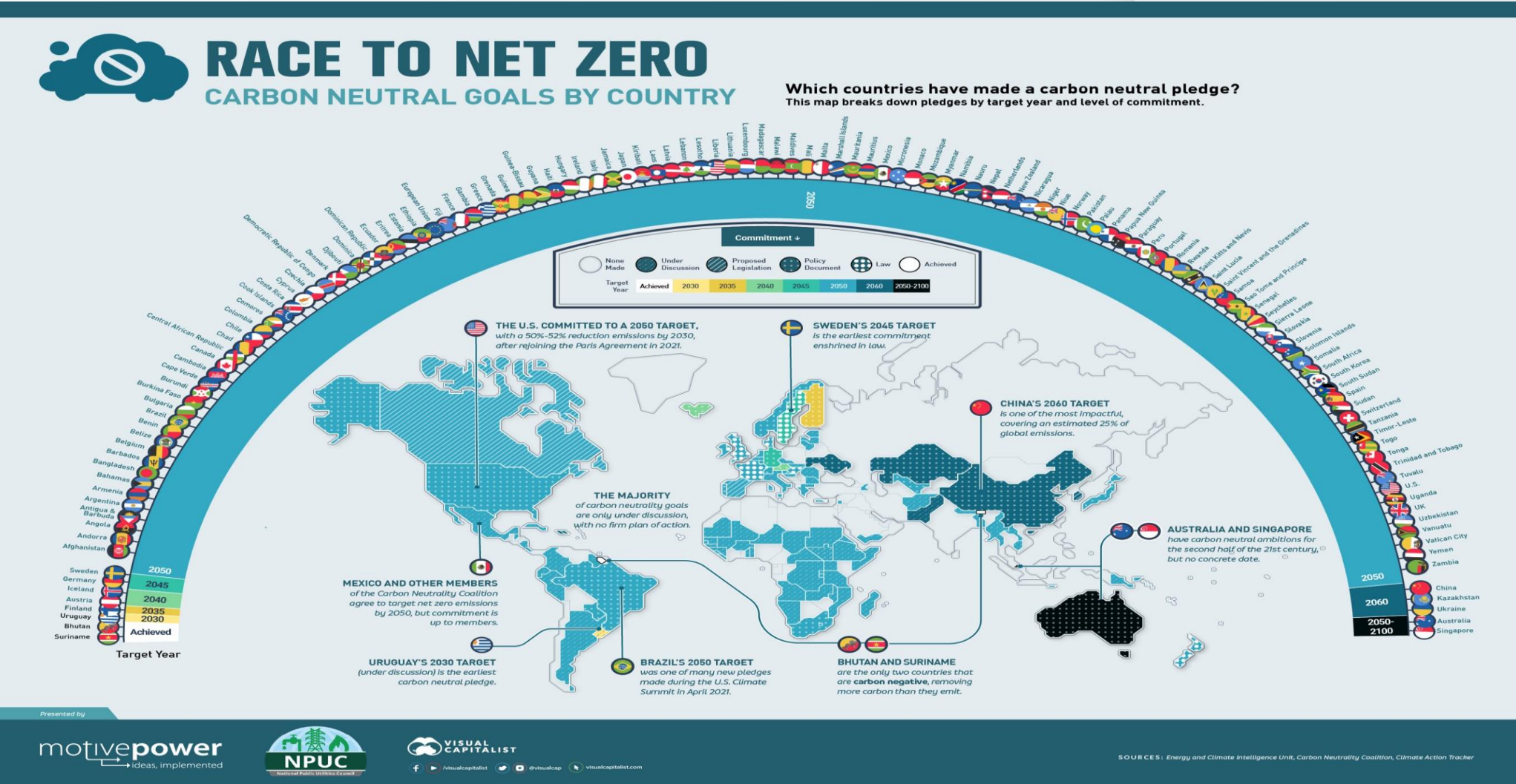


Monetary Authority
of Singapore



NON-FUNGIBLE DIGITAL TWIN

CARBON NEUTRALITY TOKEN



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