WorldLand

Why WorldLand?

WorldLand: The pinnacle of blockchain,
where AI takes root.

Building on 5 years of continuous innovation
by industry pioneers,
WorldLand was launched in August 2023.

*The future of digital land?
It might just be WorldLand.*

an Introduction to WorldLand

- **WorldLand**

  WorldLand is a new mainnet that is compatible with the Ethereum virtual machine, has quantum-resistant cryptography, energy-efficient consensus algorithms, and aims for decentralization. It issues the native WLC currency.

- **Vision**

  WorldLand's vision is to build a network where people around the world can trade digital goods and services with each other. To this end, WorldLand supports a variety of applications and aims for stable and efficient operation.

- **LiberVance, the Company**

  WorldLand is based on technology developed by LiberVance, a lab startup company founded by Professor Lee Heung-No of GIST.

  Professor Lee has been developing the technology needed for the WorldLand project with support from the major national research institutes of Korea, and has secured the intellectual property rights, academic papers and patents.

- **WorldLand Foundation & DAO, the Organization**

  WorldLand is operated through a DAO, a decentralized autonomous organization that is operated by the consensus of its participants, and it provides an opportunity for participants to participate in the operation and development of WorldLand.

- **Future of WorldLand**

  WorldLand is still in the early stages of development, but it is expected to be a project that will attract attention in the blockchain market in the future, as it has a variety of strengths, such as ASIC/quantum-resistant cryptography, energy efficiency, and decentralization.

WorldLand in 2024

Heung-No Lee, Ph.D.
Founder & Birthplace
at **GIST**

2010 – 2023
Total Research Funds Awarded
$15 m

LiberVance
since 2020
WorldLand Blockchain Engineering for Innovation & Technology
$1 m
Investment Injected for Research & Engineering

WorldLand Foundation
- DAO Administration
- Coin Management
- Community Management
- Promotion and Expansion

Aug 8, 2023
WorldLand Mainnet Launch
- EVM Compatible
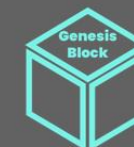- Energy Efficient
- ASIC, PQ Safe
- Decentralized

Native WorldLand Coin
WLC
Small transaction fee
Appx. 20 sec to send/receive
Ideal for payment for goods

TMG
Total Minted at Genesis
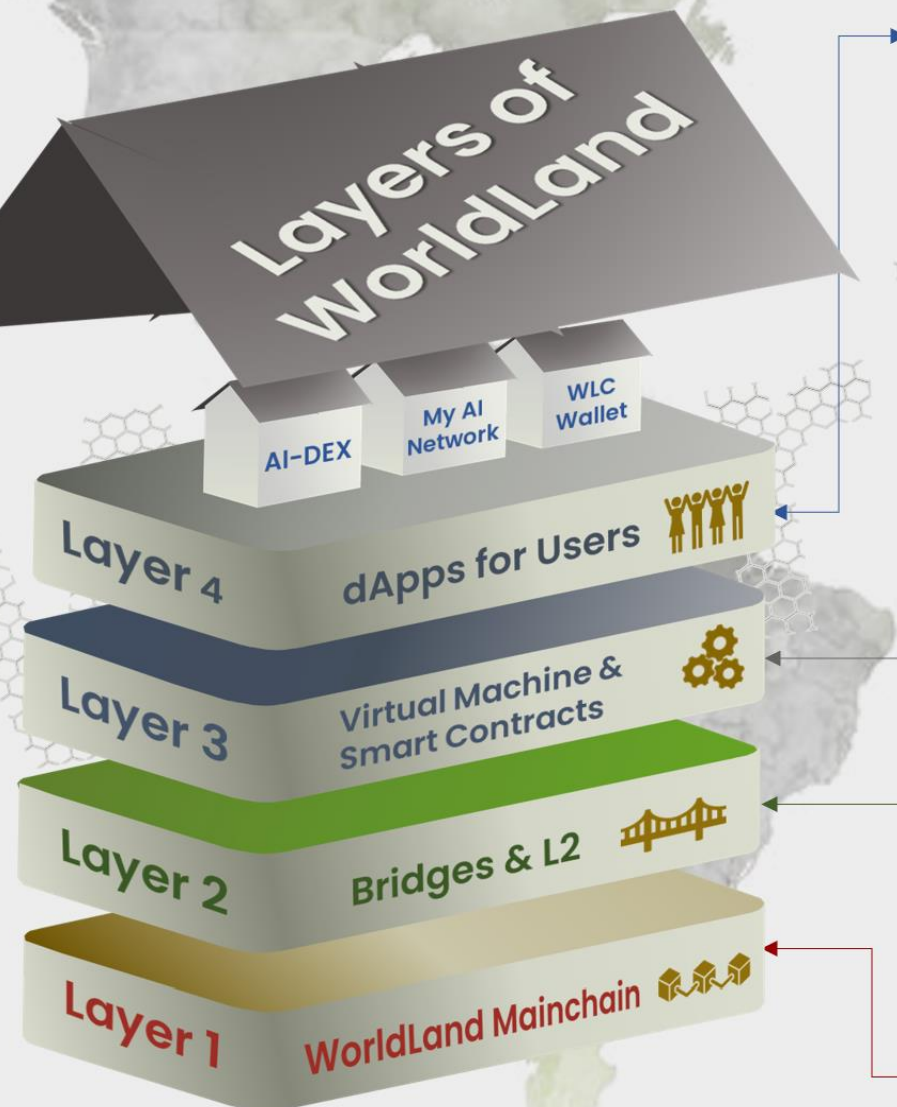Genesis Block
41 million
Allocated for WorldLand Advancement
20% for Long Term Endowment
80% for DAO livelihood

A Complete Ecosystem For Your dApps & Tokens

WorldLand is a sidechain of Ethereum with its own
consensus mechanism and its native coin, WLC.

Layers of WorldLand

AI-DEX   My AI Network   WLC Wallet

Layer 4 — dApps for Users

Layer 3 — Virtual Machine & Smart Contracts

Layer 2 — Bridges & L2

Layer 1 — WorldLand Mainchain

Layer 4:

Build Your World by developing custom tokens, smart contracts, and dApps –
the possibilities are endless in WorldLand:

- The project has developed AI-DEX, AI supported DEX, as part of its initial offerings
- AI models can be trained in My AI Network, the same network of WorldLand miners, for your private AI
- The native coin, WLC, has been minted and distributed among miners and subscribers of WorldLand since August 2023

Layer 3:

WorldLand Virtual Machine is compatible with EVM. You can write your
smart contracts using Solidity or existing smart contracts will run with no
compilation.

Layer 2:

WorldLand provides C**ross-chain Bridges**, and you can build your multi-
chain applications conveniently. Currently wETH, DAI are available, and
wBTC, wUSDT are planned.

Layer 1:

Laying the ground for **a Greenest Blockchain Ecosystem, Democratic(i.e. Decentralized)
WorldLand Mainchain** will flourish alongside unwavering security and boundless scalability.

Strengths behind WorldLand Blockchain

EVM Compatibility

WorldLand is fully compatible with EVM, allowing all dApps and smart contracts on EVM to operate. Experience your Ethereum dApp in a new way on WorldLand.

PQ Security

WorldLand's ECCPoW consensus algorithm utilizes coding theory to ensure robust security against attacks from emerging quantum computers.

Energy Efficient

WorldLand's Green VCA technology significantly reduces energy consumption in the mining process by randomly selecting miners.

Decentralized

The existing Proof of Work (PoW) system faces issues of centralization due to ASIC devices. However, WorldLand's unique consensus mechanism can defened the blockchain from centralization by ASIC devices.

WorldLand Mainnet Facts and Comparison

WorldLand

Blockchain	Mainnet	Sidechain of Ethereum
	Virtual Machine	EVM compatible WorldLand VM
	Consensus	Error Correction Code Proof-of-Work
	Consensus Algorithm	Green VCA (Verifiable Computation Algorithm)
	Cryptography	LDPC algorithm, VCT, ZKP, Anti ASIC, Anti Post-Quantum Computing
Coinomics	Block Time	4 WLC minted at block generation every 12 seconds
	Hardfork	Ethereum hardfork, block height @15,000,000
	Coin Minting Schedule	Halving in 2-year period with total of 4 halving events, 4% annual WLC volume increment against HODL
	DAO	Articles of WorldLand DAO ver 1.0
Engineering & Admin	Project Site	https://worldland .foundation
	Engineering	LiberVance Co. Ltd.
	Admin	WorldLand Foundation

	Ethereum	Solana	Polkadot	WorldLand
Est.	2015	2020	2020	2023
Market Cap Jan 2024	$229 billion	$28 billion	$10.8 billion	N/A
Applications	Wide ranges: DeFi, NFT, enterprise solutions	Fast-paced applications like gaming and real-time finance	DeFi, NFT	DeFi, NFT, Poll & Election, DID
Block Time	13 seconds	~0.4 seconds	~7 seconds	12 seconds
TPS	~15-30	~65,000	~1,000	~1,000
Scalability	Sharding Layer 2 solutions	Proof-of-History horizontal scaling	Sharding, parachains	Sidechain/L2 solution for scalability
Strong Points	• Established network with proven track record • Large and engaged developer community • Wide range of existing applications and use cases	• Significantly faster transaction speed • Much lower transaction fees • Scalable architecture designed for future growth	• Highly scalable architecture with the potential to handle millions of transactions per second • Strong focus on security and interoperability • Growing ecosystem of parachains and applications	• Green PoW • Faster transaction speed while maintaining decentralization • Small transaction fees • Scalable architecture designed for future growth • ASIC/Post-Quantum computing resistance
Weak Points	• High transaction fees during periods of network congestion • Slower transaction speed compared to Solana • Limited scalability	• Relatively new network with fewer established applications • Smaller developer community compared to Ethereum • Centralized validator structure raises concerns about censorship resistance	• Still under development, with some features not yet implemented • Complex architecture that can be difficult to understand • Smaller ecosystem compared to Solana	• Still under development, with new features to be implemented • Complex architecture that can be difficult to understand • Small ecosystem and user community

Founder and Leading Scientist: Heung-No Lee, Ph.D.
Chairman, WorldLand Foundation
CEO, LiberVance Co. Ltd.
Professor, Gwangju Institute of Science and Technology
300+ Academic papers published in AI and Blockchain Technology

https://worldland.foundation/

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