# WorldLand

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

## Why WorldLand?

WorldLand embodies the pinnacle of blockchain technology, where AI flourishes.

Industry pioneers, with five years of continuous innovation, launched WorldLand in August 2023.

*WorldLand might very well define the future of digital land.*

https://worldland.foundation/

# WorldLand

# Introduction to WorldLand Blockchain

## 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 Dedicated to 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
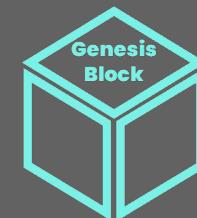
The WorldLand Coin
**WLC**
Small transaction fees
Fast transfers(Approx. 20 sec)
Ideal for purchasing goods

**TMG**
Total Minted at Genesis

Genesis Block
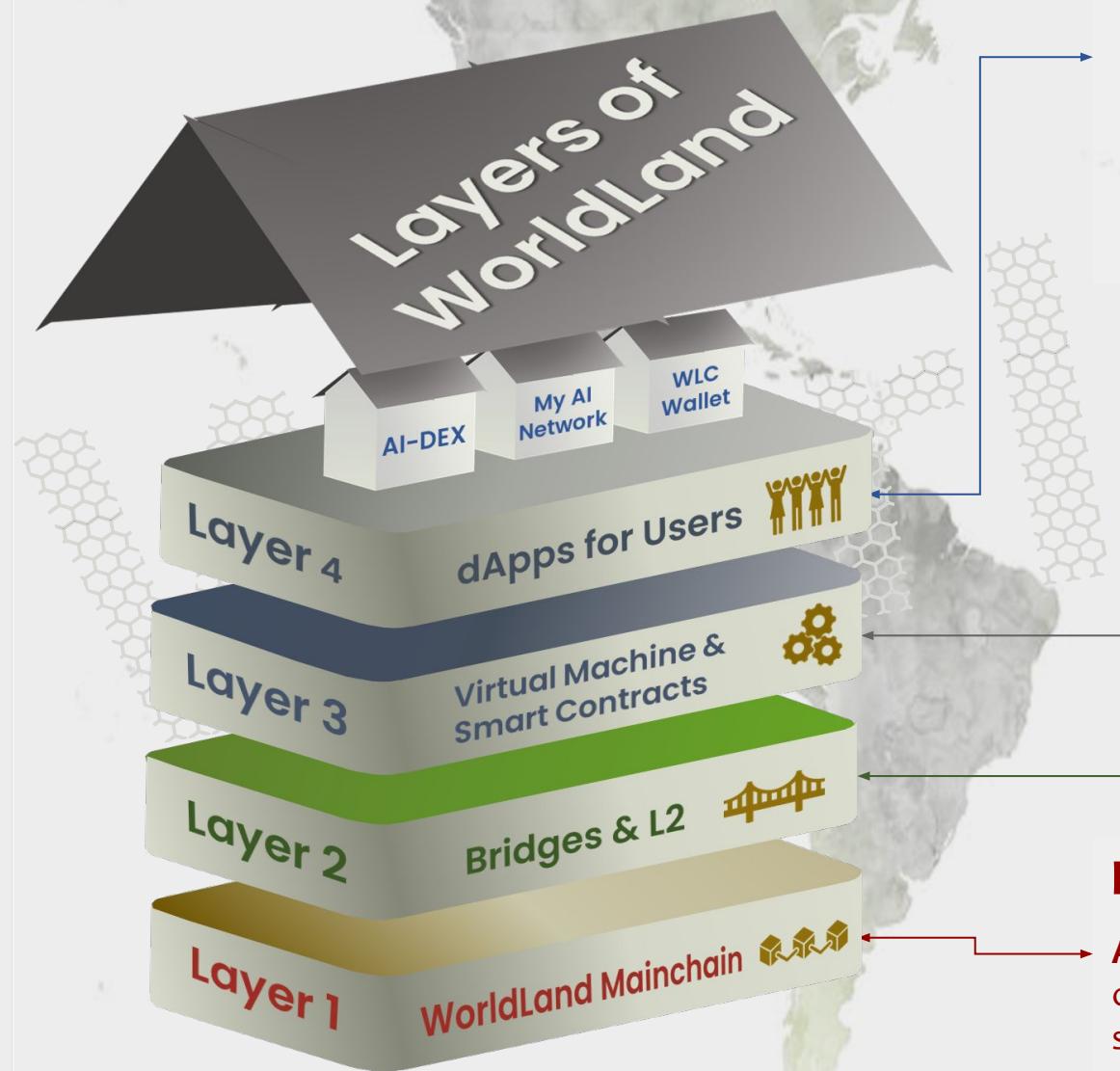
**41 million**
Allocated for WorldLand Future
20% for Long Term Endowment
80 % for DAO operations

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## WorldLand at a Glance

WorldLand revolutionizes the blockchain space with a new mainnet that boasts compatibility with the Ethereum Virtual Machine, integrates quantum-resistant encryption, utilizes energy-efficient consensus mechanisms, and commits to decentralization while launching its native currency, WLC.

## Vision for the future

WorldLand aims to construct a global network that enables people worldwide to exchange digital goods and services seamlessly. To achieve this, it supports a wide range of applications, focusing on stability and efficient operation.

## Innovation through LiberVance

Professor Heung-No Lee of GIST, along with his startup lab, LiberVance, spearheads the technological development of WorldLand. With backing from South Korea's premier national institutes, they have successfully secured intellectual property rights, published academic papers, and obtained patents for the project.

## Governing WorldLand: The Foundation & DAO

The WorldLand community actively governs the platform through a decentralized autonomous organization (DAO), offering everyone a chance to contribute to its operations and development.

## Future of WorldLand

Although still in its formative stages, WorldLand is poised to capture the blockchain market's interest with its unique advantages. These include resistance to ASIC and quantum threats, energy efficiency, and a robust commitment to decentralization.

# The Ultimate Platform for dApps & Tokens

WorldLand Ecosystem:
A Marvel of Ethereum Sidechain Technology

## Layer 4: The Creative Space

**In WorldLand, you can craft custom tokens, smart contracts, and decentralized applications. Your creativity has no bounds here.**

- **AI-DEX Initiative:** Among its initial offerings, WorldLand has rolled out an AI-supported decentralized exchange (AI-DEX), showcasing the blend of AI and finance.
- **Private AI Development:** Train your own AI models within My AI Network, powered by the same network of WorldLand miners, ensuring your AI's privacy.
- **Currency Distribution:** Since August 2023, the WLC coin has been actively distributed among WorldLand miners and subscribers, establishing a robust economic foundation.

## Layer 3: The Core

**EVM-Compatible:** The WorldLand Virtual Machine seamlessly supports Solidity, allowing existing smart contracts to run without the need for recompilation.

## Layer 2: The Bridge

**Bridging Chains:** WorldLand facilitates the construction of multi-chain applications via its Cross-chain Bridges, with support for wETH, DAI, and plans to include wBTC and wUSDT.

## Layer 1: The Foundation

**A Green Ecosystem:** WorldLand is laying the foundation for the greenest blockchain ecosystem, characterized by democratic (i.e., decentralized) governance, unwavering security, and limitless scalability.

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

# Key Advantages of WorldLand Blockchain

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.

**EVM Compatibility**

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

**PQ Security**

**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 defended the blockchain from centralization by ASIC devices.

# WorldLand Mainnet: Key Facts & Comparative Insights

## 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<br>• Large and engaged developer community<br>• Wide range of existing applications and use cases | • Significantly faster transaction speed<br>• Much lower transaction fees<br>• Scalable architecture designed for future growth | • Highly scalable architecture with the potential to handle millions of transactions per second<br>• Strong focus on security and interoperability<br>• Growing ecosystem of parachains and applications | • Green PoW<br>• Faster transaction speed while maintaining decentralization<br>• Small transaction fees<br>• Scalable architecture designed for future growth<br>• ASIC/Post-Quantum computing resistance |
| Weak Points | • High transaction fees during periods of network congestion<br>• Slower transaction speed compared to Solana<br>• Limited scalability | • Relatively new network with fewer established applications<br>• Smaller developer community compared to Ethereum<br>• Centralized validator structure raises concerns about censorship resistance | • Still under development, with some features not yet implemented<br>• Complex architecture that can be difficult to understand<br>• Smaller ecosystem compared to Solana | • Still under development, with new features to be implemented<br>• Complex architecture that can be difficult to understand<br>• Small ecosystem and user community |