

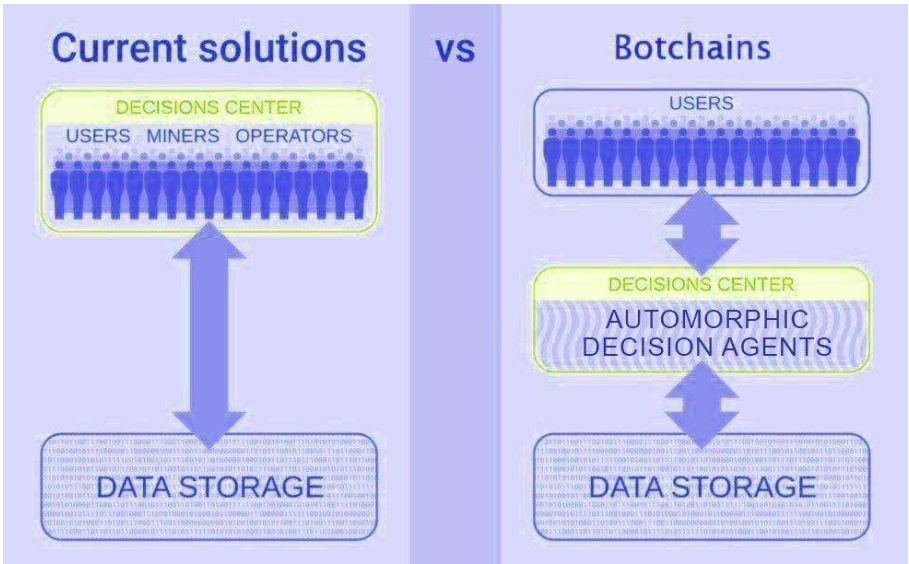


Introducing Botchains Ecosystem and Godel Search-Compute & Track-Execute Engine

As crypto-users, AI engineers, data scientists, miners and developers we all might have different visions of what might be the future evolutionary trajectories of cryptocurrencies, distributed computing and Internet.

But we all or majority of us may agree on the following points:

- With emerging quantum computing machines such as Google’s and that of China’s Photonic quantum chip apparently more than billion times more powerful than Google’s will make cryptographic security of all public blockchains including Bitcoin and Ethereum vulnerable to brute force and key collision attacks thereby putting hundreds of billions of dollar (soon trillions of dollar) of public value at extreme risk of sabotage
- Data oracles feeding data from the physical world into smart contracts can be manipulated by malicious human actors especially hostile actors with deep capital whose sole purpose is to destroy the authenticity of blockchain data by feeding incorrect information from the real world.



- Truly autonomous and intelligent drones and self-driven cars are not technologically feasible without having the background consciousness and associated self-awareness (human-level or suprahuman-level) due to uncertain nature of the real physical world. All hardcoded algorithmic systems will fail even the so called reinforcement learner algorithms eventually and cause massive unprecedented disasters if they are deployed in an environment with potentially unlimited unknown variables. And so called AI systems are basically expert systems or databases. Total absence of True Intelligence there. True Intelligence can’t be Artificial, it’s one of the many functions of background nonlocal self-awareness and consciousness.

- Decentralized organizations or DAOs comprising of human miners and token holders running public blockchains are susceptible to darkest tendencies of human nature e.g. jealousy, anger, greed, malice, conscious/unconscious bias and so on. Hence they can't truly govern decentralized autonomous organizations in a way that would be fair to all parties and stakeholders including token-hodlers/holders and miners at all times.
- Truly decentralized gaming such as lotteries and betting apps require quantum sources of randomness to make them provably fair.
- Realtime blockchain search engine, distributed AI engine and an IoT track and execute engine are urgently required for growth of both decentralized economy and IoT infrastructure.
- Decentralized Finance-DeFi or Open Finance can't grow much without a robust privacy solution. Native Heim token of Botchains ensures anonymity of the sender and receiver as well as protects the privacy of both account balances and code. Any tokens/contracts/protocols/dapps built on Botchains will have the same anonymous privacy preserving property by default.
- Turing-completeness of smart contracts makes it far too easier for malicious criminal-minded hackers to find bugs, exploits and 0days and steal tens of millions of dollar often in DeFi space.
- Swapping a pair of cryptos or transferring crypto values during face-to-face meetings between reasonably trusted parties should not require an Internet connection. A simple Bluetooth connection should be able to validate such transaction irreversibly without requiring any online validation. This can be done by engineering some non-clonable primitives both logically and electronically or physically. This will give birth to a new type of physical crypto notes/bills that does not require an internet connection for validation.

Botchains ecosystem makes it possible to invest with this consensus. Botchains is an anonymity-centric post-quantum fully autonomous and infinitely-scalable decentralized technology for building the internet of infinitely scalable blockchains (ledger-like chains) and to power goal-driven long-running decentralized autonomous organizations as well as self-evolving sensor-actor nodes without human bias, malice and intervention. Botchains is minerless as far its mainnet operation is concerned.

Botchains and its first dApp Godel search and compute engine for digital assets and avatars and Godel hyperchip are the key supersystems ushering a new era of infinite scalable privacy-preserving decentralized applications beyond blockchains and beyond Turing/Von-Neumann secure multiparty hypercomputing.

Botchains and Godel hyperchip design released by Botchains team will transform all public blockchains into post-quantum and infinitely scalable ones via Drivechains while making cross-chain value-transfers and secure communication smooth.

Botchains and Godel together will enable following advanced DApps:

1. Fully autonomous DAOs, drones, drone swarms and mobile bots
2. Irreversible offline transactions without internet connection and realization of physical cryptocurrency bills/notes.
3. Decentralized Financial Operations with an infinitely divisible currency and monetary unit.
4. Seamless non-custodial value transfers from legacy blockchains to Botchains and vice versa via zkSNARKed privacy-preserving drivechains without requiring any centralized (CEXes) and decentralized (DEXes) exchanges.

5. Godel hyperchip of Botchains ecosystem enables instantaneous quantum energy transportation from space-based solar energy farms directly to end-user devices, EV cars, autonomous EV cars and drones on-the-fly without requiring any charging points and expensive charging station infrastructure.
6. Godel engine of Botchains will index and enable searchable tracking of Digital Assets of public chains and Digital Avatars of all sensors, robots, physical/digital objects and even cybernetic networked humans (via Brain-Machine Interface) aka Cyborgs with real-time one-to-one control flows.
7. A global cosmic memory of all events automatically captured, curated and integrated by godelized sensors and mobile integral sensor-actor nodes mounted on Godel hyperchip embedded devices, drones and lightweight Botchains nodes creating a 3D holographic wikipedia free from human bias for all times to come thereby eliminating fake news and human journalists to a large extent.
8. Universal self-assembly of piracy-proof software and software components empowering remote developers and eliminating the need for outsourcing to large corporations like IBM and TCS. Automated metaprogramming and distribution of non-clonable modular plug-n-play distributed software and software components endowed with global statefulness without involving any human programmers.
9. Formally verifiable Zero-knowledge Situational Agreements & Guarantees aka zkSAGs replacing smart contracts prone to bugs and insider hacks.
10. Multicomputer Droplets for safe and secure decentralized dynamic cloud hosting.
11. Software-based and physically embodied 3D avatars of humans, objects and machines with one-to-one realtime control flows for tracking, monitoring, multitasking and so on.
12. Decentralized censorship-proof secure encrypted messenger and social media apps that don't not require an army of programmers and coders for building and maintenance.

You may visit <https://botchains.tech> and <https://godel.digital> to know more about Botchains ecosystem and Godel search & compute engine. We invite crypto-enthusiasts, miners, particle physicists, quantum physicists, quantum information researchers, decentralized computing and protocol researchers, metamaterials engineers, investors and mobile chip+GPU manufacturers to participate in the growth and evolution of Botchains ecosystem.

