

Digitized and tokenized securities as smart financial contracts increase efficiency in capital markets

Customer Ambition

Financial service providers have experimented with the tokenization of financial products and the coding of parameters into smart contracts, but without integrated machine readability, efficiency gains of blockchain are not captured extensively. Innovative financial service providers envisage a world in which digital securities and the underlying cashflows become machine readable, verifiable and executable.

Challenges

- How to track ownership of securities?
- How to achieve higher interoperability with other systems?
- How to lower operating costs and increase liquidity?

Role of Nucleus Finance

Tokenization as a Service (TaaS) from Nucleus Finance translates financial instrument data into ACTUS Smart Financial Contracts on the Casper blockchain. As a native financial digital asset, the token is machine readable and executable, for faster trading and settlement. Nucleus Finance ensures that the algorithmic logic is tied to the underlying digital assets, not merely to the token, which makes it possible to analyze, organize and automate information about any aspect of the financial instrument.

Why Nucleus Finance?

- Nucleus Finance brings the ACTUS standard natively to the Casper blockchain and integrates on-chain and off-chain technologies to deliver the best user experience
- Secure and verifiable settlement of securities
- More efficient and lower cost infrastructure for digital securities
- Verifiable, real-time audits