

Aegis Core: The Compliant Gateway to the \$30 Trillion RWA Market

An introductory slide for a presentation on Aegis Core, a platform that aims to transform the regulatory burden into a competitive advantage in the \$30 trillion RWA market.



Problem: New Art Laws and Regs are Changing Worldwide

Countries around the world are rapidly complying with new laws that will significantly change the know-your-customer (KYC) and anti-money laundering (AML) requirements for purchasing art, commodities, and other goods. This increased regulation is coming to almost all jurisdictions globally. Aegis Core, a vertically integrated platform, provides a compliant gateway to navigate this \$30 trillion real-world asset (RWA) market with unparalleled privacy, transparency, and liquidity.



The Art Market's Trilemma: The Regulatory Paradox

The Art Market's trilemma is a critical challenge facing the alternative assets industry, where the irreconcilable demands of Privacy, Compliance, and Liquidity create an illiquid and high-risk market. Aegis Core, a vertically integrated platform, seeks to transform this regulatory burden into a decisive competitive advantage by providing a compliant gateway to the \$30 trillion Real-World Asset (RWA) market.

The Structural Problem



Privacy

HNW collectors demand Anonymity



Compliance

Regulators demand Transparency
(KYC/AML)



Liquidity

Sellers demand Instant Settlement (to fix
30-90 day cycles)

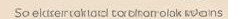
The Art Market's Trilemma: The three non-negotiable demands that current systems fail to meet.

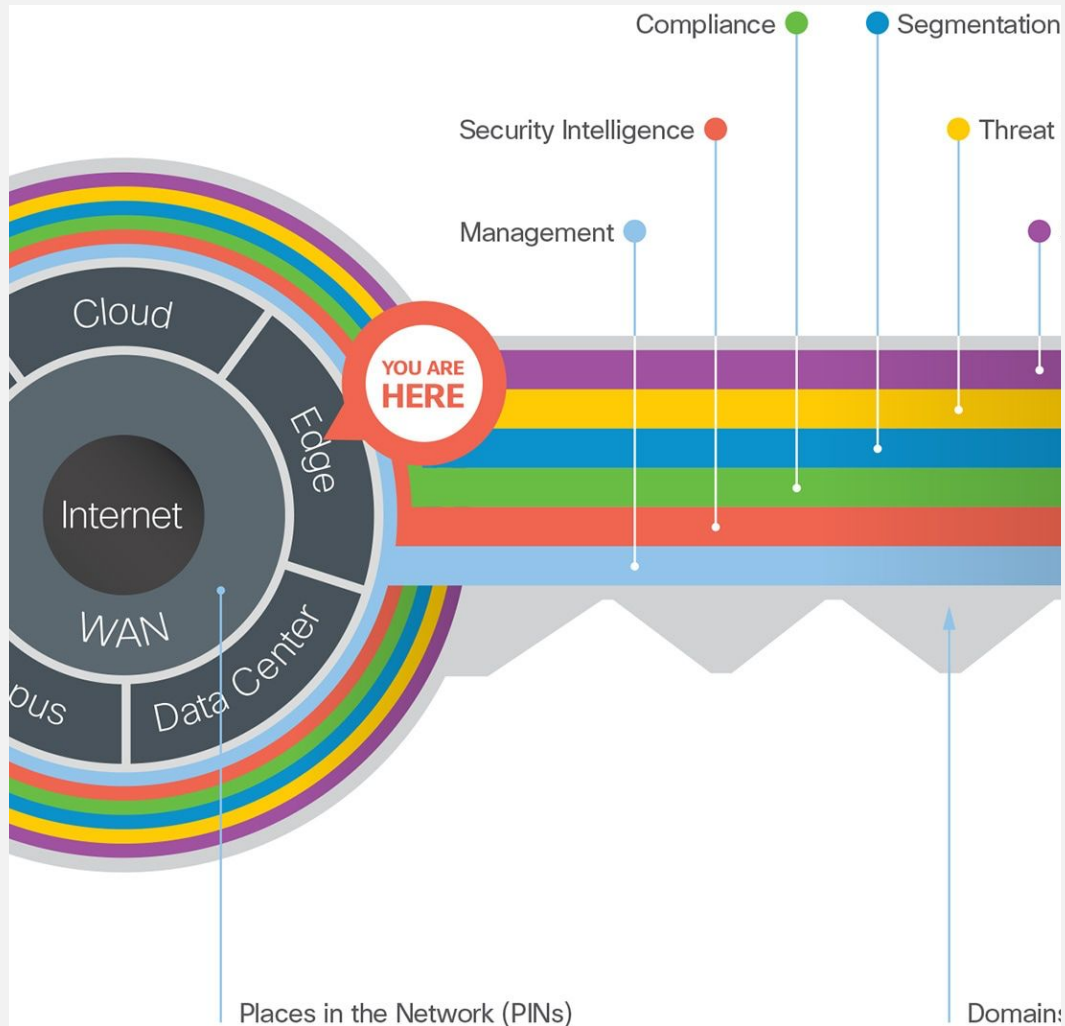
Aegis Core is a vertically integrated platform that solves

high-net-worth collectors, compliance with regulations, and instant settlement for sellers. Aegis Core separates identity verification from market participation, enabling anonymous, instantly-settled, and compliant



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Aegis Core: The Regtech Architecture

AEGIS CORE: The Regtech Architecture defines the commercial model and liability management strategy. Key Message: Aegis Core is the secure, multi-jurisdictional legal-tech wrapper for RWA tokenization. Liability Abstraction: We use Opus to offload all PII storage and KYC/AML liability to licensed third-party law firms. B2B SaaS Model: The compliance infrastructure itself is a valuable product, creating a predictable, recurring revenue stream. Future-Proofing: The modular design ensures rapid adaptation to new global regulations (FATF, EU, FinCEN).

The Triple-Blind Model

Collector is Blind

The collector's identity is hidden from the platform and the seller.

Seller is Blind

The seller only sees an on-chain clearance attestation and does not know the collector's identity.

The Platform is Blind

The platform holds zero personally identifiable information (PII), eliminating liability.

Opus: The Internal Zero-Knowledge Verification Tool



Opus's Role: Zero-Knowledge Verification Tool

Opus is the internal Zero-Knowledge Verification Tool within the Aegis Core architecture. Its sole function is to validate the collector's identity using Trusted Issuer data.



Validation of Collector Identity

Opus is used by trusted third-party law firms to issue non-falsifiable proof of clearance, ensuring the regulatory integrity of the Aegis Core platform.

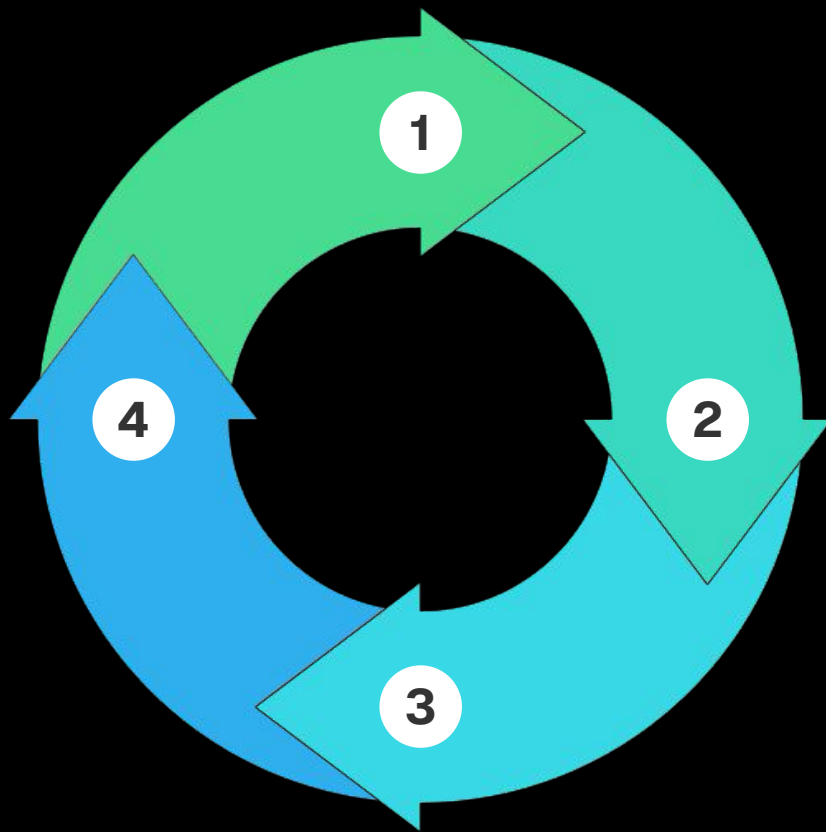


Decoupled from the Marketplace

Opus is a separate B2B tool that powers the compliance aspects of Aegis Core, enabling the platform to focus on the core marketplace functionality.

By leveraging Opus as the Zero-Knowledge Verification Tool, Aegis Core delivers a seamless and compliant solution that empowers global institutions to confidently navigate the \$30 trillion RWA market with unparalleled privacy, transparency, and liquidity.

Opus Workflow: Collector Clearance



1 Collector Initiates Clearance

The collector begins the identity verification process by submitting KYC/AML information to a trusted third-party law firm.

2 Law Firm Verifies Collector

The law firm reviews the collector's information and performs the necessary due diligence to ensure compliance with applicable regulations.

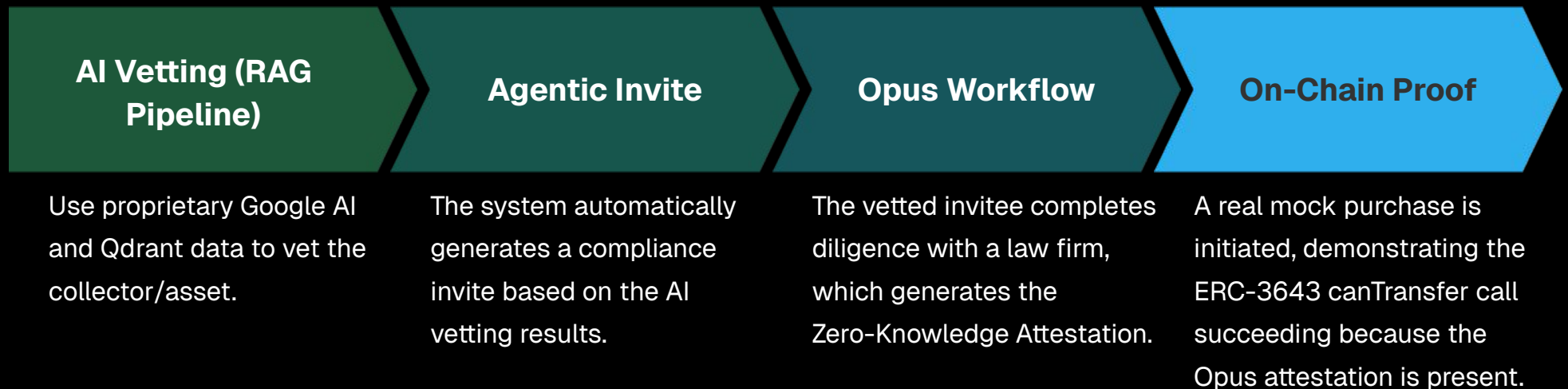
3 Opus Issues Attestation

Once the collector is cleared, the Opus engine generates a cryptographic attestation that verifies the collector's compliance status without revealing their identity.

4 Aegis Core Grants Access

The Aegis Core marketplace receives the cryptographic attestation from Opus and grants the collector access to participate in the platform, preserving their anonymity.

The Full AI-to-Blockchain Loop



Dynamic Compliance Workflow (Critical)

1. Law Change

New AML/Sanctions rules are published by regulatory authorities.

2. Opus Updates Rules

Trusted Law Firms update the rules engine within the Opus compliance platform to reflect the new regulatory changes.

3. Automatic Enforcement

Opus triggers a recertification/revocation check on all live attestations.

Collectors and Sellers who no longer meet the updated compliance requirements automatically lose their trading access until they are recertified.

On-Chain Enforcement (The Phygital Vault)

- **The Vault**

Each asset is tokenized into a 'Phygital Vault' using ERC-721 for the primary, non-fractional legal title, and ERC-3643 for all fractional shares.

- **Dual Token Standard**

The ERC-721 token represents the primary, non-fractional legal title, while the ERC-3643 token represents all fractional shares of the asset.

- **The Compliance Gate**

The ERC-3643 token standard acts as a 'permissioned token.' Before any trade or transfer, the contract calls the Opus Identity Registry to check the attestation.

- **Enforcement**

If Opus revokes the attestation, the ERC-3643 smart contract automatically prevents the transaction via the `canTransfer` function, enforcing the compliance decision on-chain.



On-Chain Enforcement (The Phygital Vault)

The asset is tokenized into a "Phygital Vault" using ERC-721 (Title) + ERC-3643 (Fractional Shares). The ERC-3643 contract checks the Opus attestation status before allowing any transaction (canTransfer function), enforcing the compliance decision on-chain.

The Technical Foundation (MVP Commitments)

- **Instant Settlement**

Atomic and Instant payment processing using only highly-regulated, 1:1 backed stablecoins (USDC, EURC). (Solves the liquidity trilemma).

- **Scaling Layer**

Deployment on a low-fee, high-throughput EVM-compatible L2 (e.g., Base, Polygon, Arbitrum).

- **Security**

The entire smart contract suite is designed to be fully auditable and governed by a multi-signature wallet infrastructure (e.g., Gnosis Safe).

- **Privacy NFR**

Aegis Core stores zero PII—only anonymous wallet addresses and Opus attestations.

The Legal-Tech Wrapper (CH/LI/DE Architecture)

- **Liechtenstein (LI) Stiftung: Protocol Foundation & IP Holder**

Governed by the Blockchain Act (TVT), the Liechtenstein Stiftung provides the legal certainty for token issuance and the EEA Passport for the EU market.

- **Switzerland (CH) AG: Global OpCo & Primary Treasury**

Serves as the stable, prestigious hub for core operations and R&D.

- **Delaware (DE) Series LLC: Asset Segregation**

Each tokenized artwork is held in its own Series LLC (SPV) to legally isolate its financial and legal risks from all other assets on the platform, providing a risk shield.

The Technical Foundation (MVP)



Instant Payment

Using only USDC/EURC (highly regulated stablecoins)



Blockchain Deployment

On a low-fee, high-throughput EVM-compatible L2



Asset Isolation

Every asset is legally segregated into its own Delaware Series LLC (SPV) to contain liability

The core technical requirements for the hackathon MVP focus on instant settlement, regulatory-compliant blockchain infrastructure, and legal segregation of assets to contain liability.

Strategic Moat: The Legal Architecture

The CH/LI/DE Multi-Jurisdictional Structure

Separates IP, Operations, and Compliance into distinct, specialized entities for maximum risk mitigation and legal protection.

Switzerland (CH) AG

Provides global stability, banking hub, and IP central for the Aegis Core brand.

Liechtenstein (LI) Stiftung

Leverages the EEA Passport via the Blockchain Act (TVG) for dynamic EU market access.

Delaware (DE) Series LLC

Legally segregates every asset into its own SPV to contain liability and risk.



The Swiss-Liechtenstein Bridge

The Swiss-Liechtenstein Bridge leverages the unique advantages of two key European entities - the Liechtenstein (LI) Stiftung and the Switzerland (CH) AG. The Liechtenstein Stiftung provides the EEA Passport via the Blockchain Act (TVT), enabling dynamic EU market access. Meanwhile, the Switzerland AG offers global stability, a banking hub, and the IP central for the Aegis Core brand.

Market Validation



\$24B+ Market Size Today

The current size of the alternative assets market is over \$24 billion and is expected to grow to \$10-30 trillion by 2030.



Major Institutional Commitments

Leading financial institutions like BlackRock and JPMorgan are in production with Aegis Core, validating the platform's capabilities.

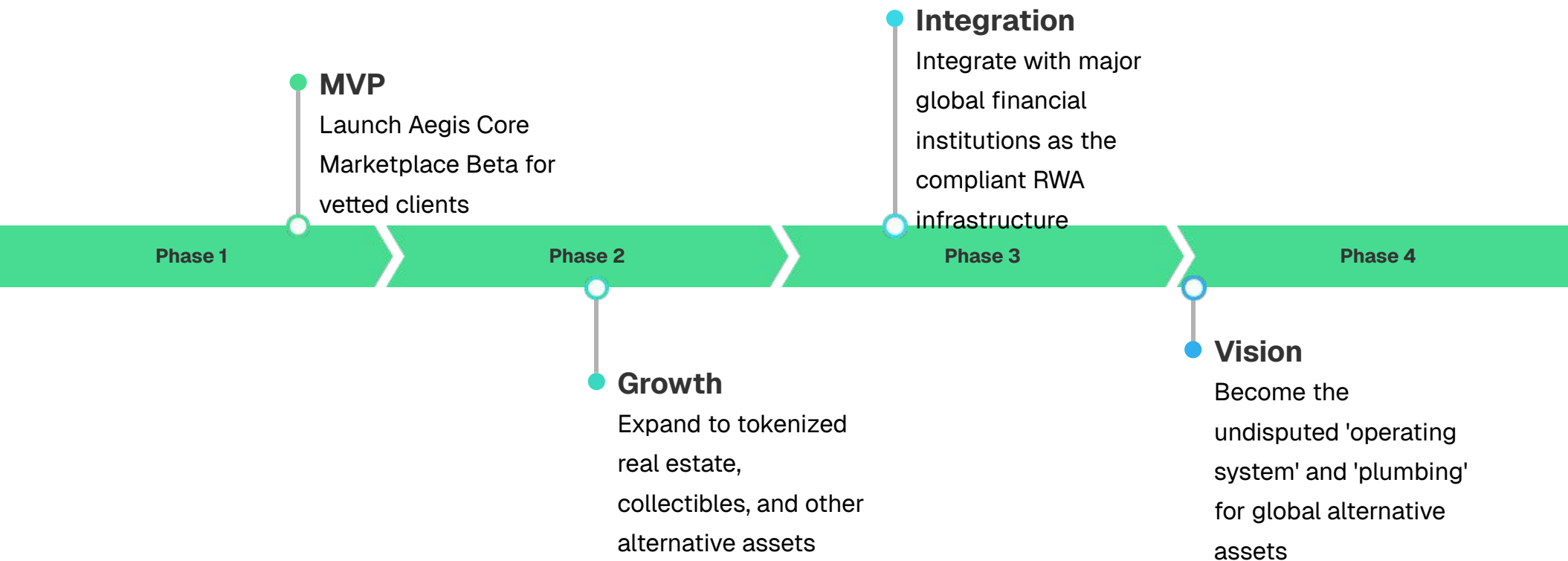


\$8-\$12B Fractional Art Opportunity

The immediate target market for Aegis Core is the \$8-\$12 billion fractional art segment, which is primed for disruption.

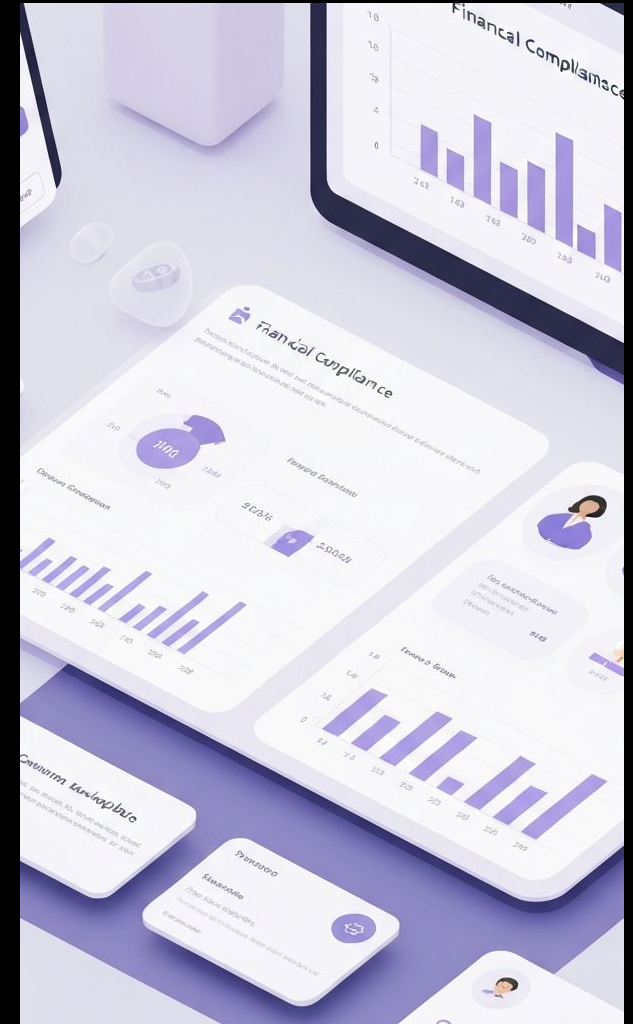
Aegis Core has already gained significant traction with institutional players, validating the market opportunity and positioning the platform as the leading compliant gateway to the burgeoning \$30 trillion RWA market.

Roadmap & Vision



Conclusion: Compliance is the Advantage

Aegis Core, powered by the Opus engine, transforms the regulatory burden into a decisive competitive moat, unlocking institutional capital and instant liquidity for the global market.



Aegis Core, powered by the Opus engine, delivers a seamless and compliant solution that empowers global institutions to confidently navigate the \$30 trillion RWA market with unparalleled privacy, transparency, and liquidity. This transformative platform unlocks unprecedented opportunities, positioning Aegis Core as the undisputed operating system for the future of alternative asset trading.

