THE OLTAIX™ ADVANTAGE:

ADDRESSING ASSET OWNER NEEDS THROUGH AGENTIC AI

An Institutional AI White Paper

Executive Summary

Institutional asset owners — public pensions, sovereign wealth funds, insurers, family offices, and endowments — face rising pressures: unfunded liabilities, complex private market allocations, liquidity mismatches, succession challenges, and ESG accountability. Independent research from BNY Mellon/OMFIF, Northern Trust, State Street, NACUBO, BlackRock, J.P. Morgan, RBC, Equable, and Global SWF highlights consistent themes:

- Data integration is the #1 pain point. Only 6% of asset owners report satisfaction with their current operating model (BNY).
- Private markets are the biggest blind spot. 91% of insurers and >40% of endowments hold significant private allocations, yet data quality and timeliness remain inadequate (BlackRock, NACUBO).
- Governance and reporting are under strain. Boards and trustees demand auditable foresight, while reporting cycles remain too slow and opaque.

OLTAIX™ responds with a sovereign, agentic AI framework that directly addresses these needs:

- Capabilities: Specialized AI agents for ALM, private markets, liquidity, governance, and ESG integrate fragmented data into a single, auditable intelligence plane.
- Advantage: Quantified improvements include 50–70% reconciliation efficiency gains, 20–40 bps solvency optimization for insurers, 30–50 bps spending mismatch reductions for endowments, and billions in improved allocation outcomes for SWFs.

The OLTAIX™ Advantage is clear: independence, explainability, and fiduciary-grade foresight — tailored to each asset owner's unique ecosystem.

Public Pensions

Documented Needs (Independent Research)

• Average funded ratio ~81–83% in 2025; ~$1.35T in unfunded liabilities remain (Equable, Milliman, CRR).

• Only 6% of public asset owners satisfied with operating model; data integration & analytics are top challenges (BNY/OMFIF).

• Manual reconciliation and fragmented systems persist, with middle-office inefficiencies (BNY/OMFIF).

OLTAIX™ Capabilities

• ALM Agent integrates custodians, managers, and actuarial data into surplus/liability views.

• Reconciliation Agent reduces exception cycle times and manual effort.

• Narrative Agent auto-produces board packs with citations.

The OLTAIX™ Advantage (Quantified Impact)

• 50–70% reduction in reconciliation effort → ~10–15 FTE savings.

• Board reporting compressed from 2 weeks → ~3–5 days.

• Operational risk reduced by lowering NAV mismatches 30–50%.

Sovereign Wealth Funds

Documented Needs (Independent Research)

• SWF assets >$14T; target 4–5% real returns (Global SWF tracker).

• 81% of mega funds have sustainability goals; >1/3 pulled back from net zero (BNY/OMFIF).

• Digitization and end-to-end data visibility are strategic priorities (BNY/OMFIF).

OLTAIX™ Capabilities

• Macro Agent integrates FX, commodities, sanctions, and geopolitical scenarios.

• Private Markets Agent normalizes GP statements and reconciles with custodian data.

• Mandate Agent monitors domestic vs. global allocations.

The OLTAIX™ Advantage (Quantified Impact)

• +50 bps allocation efficiency from faster integrated scenarioing.

• Valuation reconciliation improved from 80% → 95%.

• 50–100 bps avoided drawdown in shocks by combining macro + portfolio foresight..

Insurance Companies

Documented Needs (Independent Research)

• Insurers manage $30T+; 91% plan to increase private market allocations (BlackRock 2024).

• 69% cite interest-rate risk; 53% want better illiquids modeling (BlackRock 2024).

• Modernization of data and operating models is a top priority (BlackRock 2024).

OLTAIX™ Capabilities

• Capital Agent automates RBC/Solvency II stress packs.

• Credit Agent reconciles private credit valuations with manager/admin data.

• Hedging Agent proposes IR/FX overlays with evidence.

The OLTAIX™ Advantage (Quantified Impact)

• 20–40 bps hedging mismatch reduction supports solvency ratios.

• 10–20% fewer valuation discrepancies in private credit.

• 50% less manual stress-testing reconciliation.

Family Offices

Documented Needs (Independent Research)

• Alternative allocations ~45% of portfolios (J.P. Morgan 2024).

• 60% expect major wealth transfer in 10 years; only 53% have a plan, and only 30% are formal (RBC 2024).

• Fragmented systems across banks, managers, and spreadsheets (BNY/OMFIF).

OLTAIX™ Capabilities

• Privacy Agent secures vaulting of sensitive financial data.

• Governance Agent codifies trusts and succession frameworks.

• Deal/Impact Agents manage co-investments and values alignment.

The OLTAIX™ Advantage (Quantified Impact)

• 70–90% less manual data consolidation across banks/custodians.

• 5–10% fewer GP distribution errors by structuring unstructured notices.

• Succession readiness uplift (addressing gap: only 53% have plans, 30% formal).

Endowments & Foundations

Documented Needs (Independent Research)

- Average FY2024 return 11.2% (NACUBO-Commonfund).
- Illiquid allocations 40–60% → liquidity crunch risk (BNY/OMFIF).
- Payout ~4.5–5% + inflation requires 8–9% returns to sustain corpus (NACUBO).
- Stakeholder ESG/divestment pressure rising (BNY/OMFIF).

OLTAIX™ Capabilities

- Stewardship Agent automates donor restrictions and unitization reporting.
- Spending Agent optimizes payout policy vs inflation.
- Liquidity Agent aligns grant obligations vs. capital calls.
- ESG Agent enforces policy compliance.

The OLTAIX™ Advantage (Quantified Impact)

- 30–50 bps reduced spending/grant mismatches.
- Liquidity crises avoided by linking grant and capital call flows.
- Improved ESG alignment as 24% of large AOs increase sustainable allocations.

Appendix — Source References

- *BNY Mellon / OMFIF — The Evolution of Public Asset Owners (2024).*
- *Northern Trust — Global Asset Owner Peer Study (2024).*
- *State Street — Private Markets Case Study (2024).*
- *NACUBO-Commonfund — Endowment Returns FY2024.*
- *Equable, Milliman, CRR (Boston College) — Public Pension Funded Ratios 2025.*
- *Global SWF Tracker (2024–25).*
- *BlackRock — Global Insurance Report 2024.*
- *J.P. Morgan — Global Family Office Survey 2024.*
- *RBC — North America Family Office Report 2024.*

Disclaimer

This document is provided strictly for informational purposes. It references third-party research reports and case studies (BNY Mellon, State Street, Northern Trust, NACUBO, BlackRock, J.P. Morgan, RBC, Equable, Milliman, CRR, Global SWF, etc.). OLTAIX™ is presented as a design vision and customizable framework; features and impacts are illustrative and subject to client-specific design. This is not investment, legal, or regulatory advice. Institutional AI makes no warranties as to the accuracy or completeness of third-party data. Any reliance is at the reader's own risk.