

# Apex Risk Technologies × Numerix

## Connected Market Risk, Valuation & Investor Reporting

Faster reporting. Deeper analytics. Confident decisions.

### The Challenge

Buy-side firms must increasingly demonstrate:

- Independent and defensible NAV oversight
- Consistent cross-asset valuation and risk analytics
- Transparent methodologies for Level 2 and Level 3 assets (IFRS 13)
- Scalable investor-ready and regulatory reporting

Meeting these requirements across complex derivatives, structured products, and illiquid assets can require infrastructure traditionally associated with the sell-side — creating operational and governance challenges for asset managers.

### The Joint Solution

Through the deep integration of Apex's RiskMonitor platform with Numerix NxCore Analytics Services (NAS), asset managers gain a modern, API-driven solution enabling:

- Independent valuation and NAV oversight
- Multi-asset risk transparency across complex trading portfolios, addressing all levels of portfolio complexity
- Consistent valuation methodologies and model governance
- Scalable regulatory and investor reporting

Together, the platforms provide end-to-end transparency from valuation methodology through risk measurement to investor reporting, supported by independent analytics and auditable governance workflows.

## Why Apex × Numerix

### Apex RiskMonitor

Provides independent oversight, reconciliation, governance workflows, audit trails, and automated reporting.

### Numerix NxCore Analytics

Delivers trusted valuation truth through transparent, market aligned pricing and risk models across complex and illiquid instruments.

### Together

They enable end-to-end transparency from valuation methodology through risk measurement to investor reporting, grounded in independent analytics and auditable processes.

# Modern, Transparent End-to-End Risk Reporting

## Institutional-Grade Valuation & Market Risk Analytics for Complex Assets

RiskMonitor’s capabilities are enhanced through integration with Numerix NxCore Analytics Services, delivering independent valuation, cross-asset market risk analytics, and model transparency across complex capital markets instruments.

For firms managing derivatives, structured products, and Level 2 and Level 3 assets (as per IFRS 13 definitions), consistent valuation and risk measurement are foundational to governance, regulatory defensibility, and investor trust — enabling accurate risk reporting, oversight, and investor transparency. Key capabilities include:

- Independent full valuation of derivatives and structured products
- Market-leading Value at Risk (VaR), Expected Shortfall, and sensitivities for enhanced portfolio risk transparency
- Comprehensive cross-asset model coverage across Interest Rates, FX, Credit, Commodities, Inflation, Structured Finance, Fixed Income, Crypto, Hybrids, and OTC derivatives
- Transparent “glass box” pricing methodologies providing visibility into assumptions, model calculations, and valuation drivers
- Robust model calibration and pricing policy governance aligned with evolving market conventions and best practices
- High-performance analytics delivering fast, precise calculations under volatile market conditions
- Seamless API-driven access to advanced analytics without complex infrastructure builds

## The Integrated Architecture

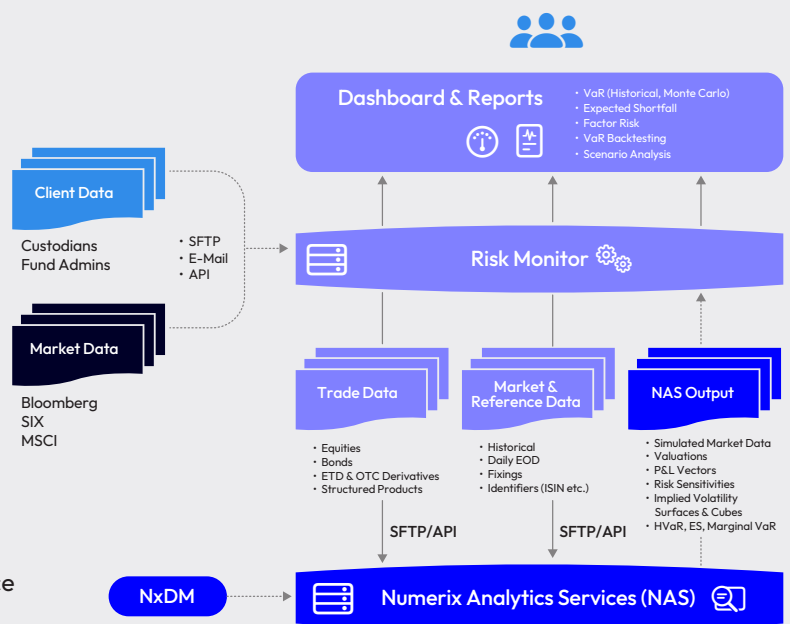
### Apex RiskMonitor

- Data acquisition and enrichment
- Reconciliation and independent oversight workflows
- Automated regulatory and investor reporting
- End-to-end, modular, report generation
- Governance controls, versioning, and audit trails

### Numerix NxCore Analytics

- Transparent cross-asset pricing models and methodologies
- Institutional-grade valuation for derivatives and structured products
- Advanced risk measures including VaR, Expected Shortfall, and sensitivities
- Robust model calibration and methodology governance

Together, the platforms deliver modern, API-driven integration designed for scale, transparency, and operational resilience.



# Delivering Value Across the Investment Ecosystem

## Asset Managers

- Independent valuation and NAV oversight across complex and illiquid assets
- Consistent cross-asset risk analytics to support governance and compliance
- Automated investor and regulatory reporting at scale
- Enhanced transparency to meet institutional investor expectations

## Financial Institutions

- Unified valuation and risk framework across trading and banking books
- Integration of advanced analytics into existing systems via API
- Improved model governance and pricing consistency
- Faster risk insights to support trading, risk, and treasury decisions

## Family Offices

- Institutional-grade valuation and risk visibility across multi-asset portfolios
- Simplified oversight of complex and illiquid investments
- Consolidated and aggregated reporting through a single, transparent platform
- Better-informed investment decisions with consistent analytics

## Wealth Managers

- Client-ready, branded reporting with clear risk and performance insights
- Transparent methodologies to support client communication and trust
- Automated workflows to reduce manual reporting effort
- Consistent portfolio analytics across strategies and asset classes

## Market Credibility

### Apex RiskMonitor

- \$500bn+ assets under monitoring
- 700+ funds and portfolios supported
- 10,000+ tailored reports produced monthly
- 120,000+ assets maintained in Asset Master
- 200+ clients receiving RiskMonitor reporting

### Numerix

- Institutional-grade pricing and risk analytics across all major asset classes
- Unified analytical framework ensuring consistent valuation and risk measurement across complex portfolios
- Disciplined model calibration and pricing policy governance aligned with prevailing market conventions
- High-performance computational engine designed for speed, stability, and numerical accuracy
- Transparent “glass box” analytics providing full visibility into model assumptions, calculations, and valuation drivers

## For More Information

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