

Unlocking Enterprise Data for Faster Decision-Making and Improved Risk Management

See how a global financial giant resolved analytics roadblocks on **500+ TB of data**, equipping **850+ decision-makers** with reliable, audit-ready AI and risk insights.

Azure Databricks Modernization
Financial Services



THE VISCERAL CHALLENGE

CHALLENGE

01

Infrastructure Friction:

On-premises legacy systems created severe processing latency, preventing real-time access across global business units

02

Siloed Governance:

Disconnected databases produced inconsistent data access rules, increasing compliance overhead and slowing risk assessment models.

03

Prohibitive Scaling Costs:

Rapidly multiplying data volumes created exponential infrastructure maintenance and licensing expenses.

SOLUTION

01

Unified Lakehouse Core:

Co-engineered a scalable Azure Databricks architecture, consolidating 500+ TB onto a single data engine.

02

Centralized Security:

Deployed Unity Catalog & Delta Sharing to enforce unified governance across distributed workspaces and ML workloads.

03

Automated MLOps Pipeline:

Integrated MLflow and Databricks AI to accelerate the delivery of predictive analytics and automated forecasting.

KEY METRICS & STRATEGIC TAKEAWAYS

Measured performance gains driving strategic advantage across enterprise finance & risk.

500+

TB ENTERPRISE DATA

Consolidated into a governed, high-concurrency source of truth.

850+

ACTIVE POWER USERS

Onboarded seamlessly across finance, risk evaluation, and HR analytics teams.

40%

FASTER TIME-TO-MARKET

Accelerated deployment cycles for predictive AI models and business reporting.

100%

AUTOMATED LINEAGE

End-to-end audit readiness and access enforcement across global operations

FROM ARCHITECTURE TO IMPACT: THE NSIGHT ADVANTAGE



Precision Architecture:

Translating high-level enterprise strategy into a performant, high-concurrency data engine.

Governed Operational Velocity:

Leveraging Databricks Unity Catalog to accelerate time-to-value while enforcing strict data governance.

High-Touch Engineering:

Deploying senior architecture pods that ensure seamless onboarding, operational continuity, and risk-mitigated scale.



Ready to modernize your legacy data estate?

Let's co-engineer your enterprise lakehouse architecture. Message us to connect with our Databricks specialists.