

ASPIRE SYSTEMS · DATABRICKS PARTNER PRACTICE

Banking & Financial Services AI on Databricks

From real-time credit risk and AML surveillance to fraud detection, Customer 360 and Basel IV compliance automation — Aspire Systems delivers production AI-first data platforms for global banks, capital markets, and lending firms on Databricks.

Client Outcome
Top-10 Global Bank

75%

Faster regulatory reporting

\$12M

Annual cost savings

99.9%

Model availability SLA

40%

Faster via Lakebridge IP

AI Credit Risk Platform on Databricks · 14TB Teradata migrated via Lakebridge · Real-time

60+

CERTIFIED
ENGINEERS

AWS
AZURE
GCP

BANKS
CAPITAL MARKETS
LENDING

Risk &
Compliance AI

Fraud, Wealth &
Customer Intelligence

Data Platform,
Migration & Governance

Mosaic AI
MLflow · Agentic AI



Risk & Compliance AI

Real-Time Credit Risk Scoring

PD/LGD credit scoring models on Databricks ML — serving tier-1 banks globally with millisecond-latency inference via Mosaic AI Model Serving.

IFRS9/CECL ECL Automation

Self-retraining expected credit loss models on Delta Lake — fully automated, always current, with complete MLflow audit trails for regulators.

AML Surveillance

Real-time anti-money laundering detection using Spark Streaming and Mosaic AI — flagging suspicious patterns across millions of transactions continuously.

Basel IV & FRTB Reporting

Capital reporting automation for Basel IV and FRTB with full AI audit trails — replacing manual, error-prone reporting processes end-to-end.

Delivered
Outcome

75%

Faster regulatory reporting
for a Top-10 global bank —
IFRS9 ECL automation with
MLflow governance on
Databricks



Fraud, Wealth & Customer Intelligence

Millisecond Fraud Detection

Real-time fraud scoring on Delta Live Tables and Mosaic Model Serving – sub-millisecond latency at scale across card, payments, and digital banking channels.

Customer 360 & Next-Best-Action

Unified Customer 360 Lakehouses powering next-best-action models and propensity scoring – driving personalized engagement across every channel.

Wealth Management AI

Portfolio risk, rebalancing, and robo-advisory models built on Databricks – delivering intelligent, scalable wealth management capabilities for retail and private banking.

Trade Surveillance Agents

Autonomous Agentic AI systems monitoring capital markets for market abuse, insider trading, and conduct risk – with human-in-the-loop escalation workflows.



Faster regulatory reporting for a Top-10 global bank – IFRS9 ECL automation with MLflow governance on Databricks

\$12M

Delivered Outcome



Data Platform, Migration & Governance

Teradata & Oracle Migration via Lakebridge

Large Teradata and Oracle estates migrated to Databricks Lakehouse – 40% faster go-live with automated reconciliation and zero data loss guaranteed.

KYC/AML Data Quality Frameworks

300+ DLT data quality rules deployed across major bank clients – automating KYC completeness, AML consistency, and timeliness checks at enterprise scale.

BCBS 239 Lineage & Unity Catalog

End-to-end data lineage from source to AI model output via Unity Catalog – GDPR-compliant, with column-level masking and attribute-based access control.

AI-Ready Feature Store

Managed Feature Stores for credit, fraud, and market risk model training – ensuring consistent, governed features across all ML models in production.

Delivered
Outcome

40%

Faster migration of
14TB Teradata estate to
Databricks via Lakebridge
– AI-ready from day one
post go-live



Column-Level Masking

BCBS 239

FRTB

SOX

Regulatory Coverage

IFRS 9 / CECL

Basel IV

GDPR

Full AI Audit Trails

Unity Catalog Lineage

How We Deliver

01

Discover & Assess

AI maturity, use case scoring, ROI modelling & Lakehouse blueprint

02

Architect & Design

Unity Catalog, AI model selection & regulatory governance design

03

Build & Migrate

Agile sprint teams, Lakebridge migration & AI pipeline engineering

04

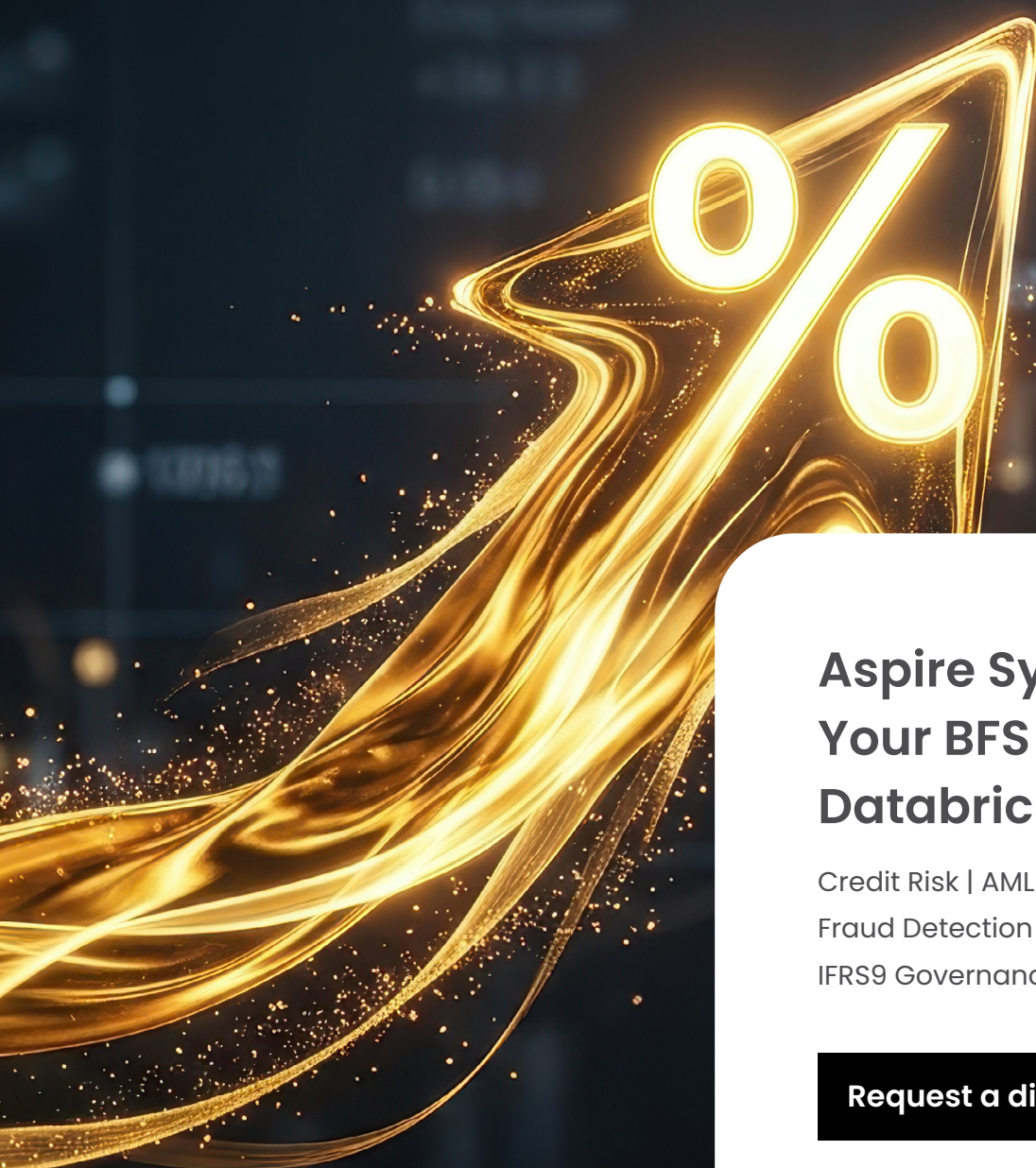
Deploy & Operate

MLOps rollout, user enablement & 24x7 platform operations

05

Optimize & Scale

Continuous model improvement & new use case onboarding

A large, glowing golden percentage sign (%) is the central focus of the top half of the page. It is surrounded by dynamic, flowing golden light trails and sparkling particles, set against a dark blue background with blurred bokeh lights.

Aspire Systems – Your BFS AI Partner on Databricks

Credit Risk | AML Surveillance
Fraud Detection | Wealth AI | BCBS 239 &
IFRS9 Governance | Unified Lakehouse

[Request a discovery call →](#)

About Aspire Systems

Aspire Systems is a global technology services firm serving as a trusted technology partner for our customers. We work with some of the world's most innovative enterprises and independent software vendors, helping them leverage technology and outsourcing in our specific areas of expertise. Our core philosophy of "Attention. Always." communicates our belief in lavishing care and attention on our customer and employees.

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