HEXAWARE

Client Impact Series

Hexaware's Data and Analytics Services

Banking and Financial Services



Data and Analytics

Banking and Financial Services

Markets move in milliseconds—and so must the institutions that serve them. In banking and financial services, the margin between leading and lagging is written in data.

On your journey from raw transactions to real-time intelligence, trust sets the standard. Hexaware's advanced data engineering and analytics capabilities bring it all together:

Faster Data Products
turn enterprise data into actionable insights, accelerating innovation while reducing technical debt.

Smarter Self-Service
establishes governance frameworks with clear ownership, enforced quality standards, and proactive compliance—so every report, model, and recommendation rests on a foundation that the business can act on with confidence.

Deployable AI Assets
power everything from customer analytics that sustain retail banking growth to unified platforms such as Hexaware PaymatiX™, delivering end-to-end insights across the cards and payments ecosystem.

Trust, built in.

How we accelerate business outcomes

Simplify Data, Scale AI, and Deliver Results

Here's what banks and financial institutions have achieved with Hexaware's data and analytics solutions.

Smarter Self-Service

Governed, AI-ready data and self-service analytics that let business teams answer their own questions without waiting on IT.

40% | **more analytics created by business users**

Leading Canadian Multinational Bank

Faster Data Products

Pre-built data foundations and automation frameworks that turn enterprise data into trusted, reusable data products, without starting from scratch.

30% | **less time to develop new data products**

Leading Canadian Multinational Bank

Deployable AI Assets

Accelerators, frameworks, and Hexaware's GenAI-powered Amazon® platform, which automates migration from SAS, Ab Initio, and legacy warehouses.

Up to 85% | **less code-conversion effort**

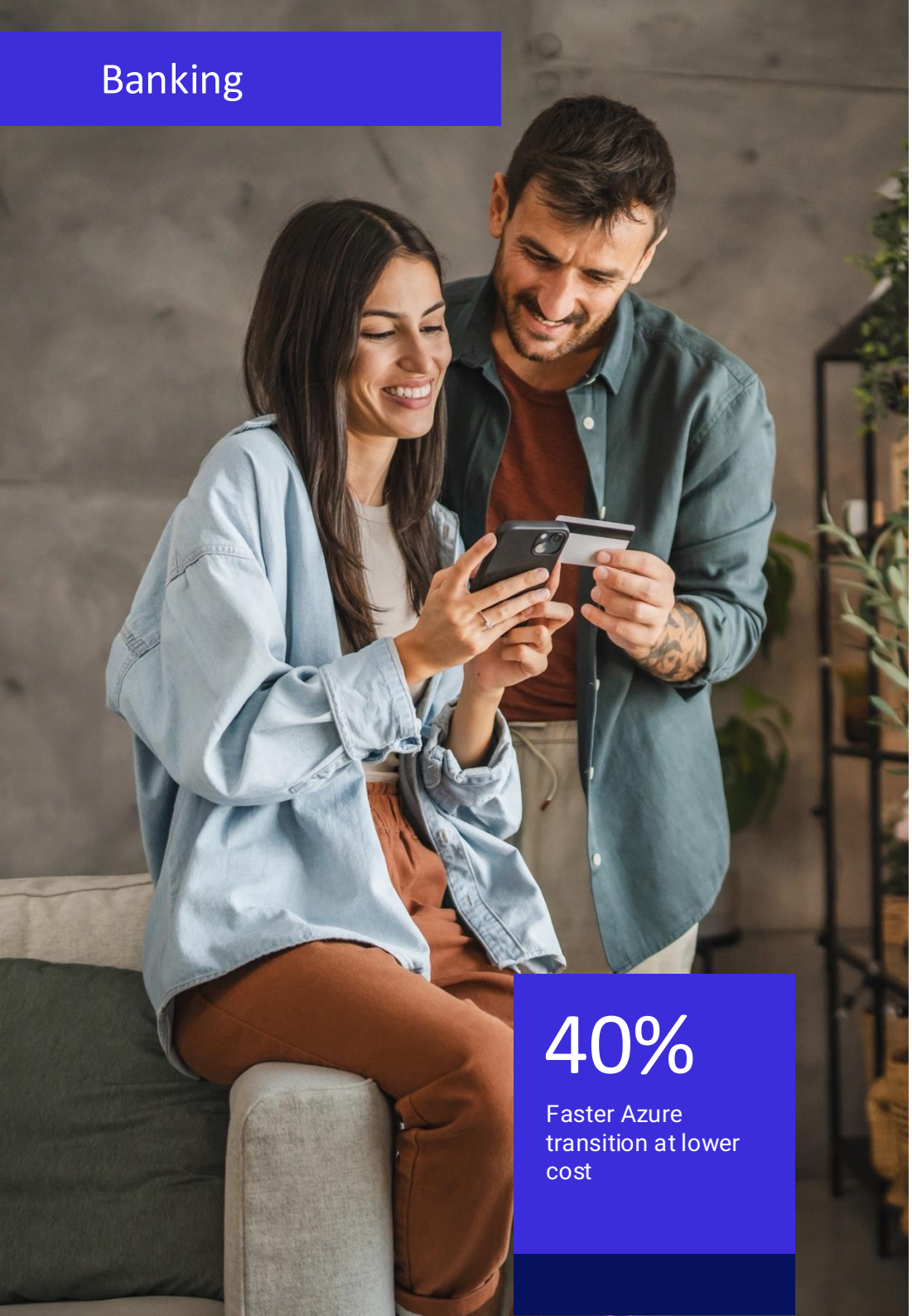
One of the Oldest Australian Banks

$3.5M
saved by one North American bank through cloud modernization

Up to 40%
lower total cost of ownership after moving off legacy platforms

See 15 success stories from across banking and financial services →

Success Stories



Banking

40%

Faster Azure transition at lower cost

An American National Bank

Accelerating Cloud Adoption with Simplified, Secure, and Scalable Data Engineering

The bank struggled with data scattered across MS Access databases and spreadsheets, steep Azure learning curves, PII access control risks, data quality issues, and slow turnarounds for changes and fixes.

Solution

Hexaware empowered the bank's cloud journey with a structured, people-first approach:

- **Simplified Onboarding**: Delivered tailored data utilities and hands-on training, ensuring smooth Azure adoption by business users.
- **Centralized Data Storage**: Migrated fragmented MS Access and spreadsheet data into Azure Data Lake Storage (ADLS), creating a single source of truth.
- **PoC for End-State Vision:** Built proofs of concept with sample data to demonstrate Azure capabilities and strengthen stakeholder confidence.
- **Accelerated Delivery:** Launched an MVP using ADLS, Azure Data Factory, Databricks, and Synapse to streamline development and reduce time-to-value.
- **Secure Access Controls:** Implemented RBAC and ACLs to safeguard PII on Azure.
- **Enhanced Data Quality:** Integrated MDM, data cataloging, and lineage tracking in Synapse and Databricks—ensuring reliable, accurate reporting.
- **Smarter Cost & Governance:** Leveraged APIs instead of costly connectors, while cataloging and lineage tracking strengthened data governance.



Banking

30%

Reduction in time to develop new data products

Leading Canadian Multinational Bank

Trusted, Discoverable Data Products Across Lines of Business for Faster, Smarter Decisions

The client struggled with low trust in data quality, limited discovery and interoperability across domains, slow analytics due to weak self-service options, and inefficient remediation of overlapping datasets shared across lines of business.

Solution

Hexaware built a product-centric data ecosystem for the bank:

- **Strategy & Canvas:** Defined data product requirements and built an enterprise-wide canvas to map consumption needs.
- **Automated Framework:** Deployed a reusable ETL/ELT automation framework for scalable product development.
- Mesh Architecture: Implemented federated governance and a data product marketplace—making every product discoverable, interoperable, and accessible.
- **Quality & Security:** Embedded robust data quality and security protocols into the framework.
- **Self-Service:** Empowered business users with self-service analytics, cutting IT dependency.
- **Continuous Optimization:** Monitored performance to ensure reliability and scalability.

25%

Fewer data issues, errors, and inconsistencies

40%

Increase in analytics queries and reports generated by business users

Banking



$3.5M

Savings through cloud transformation of business SAS reports

Leading North American Bank

Cloud-Powered Data Modernization: $3.5M Savings Unlocked

Legacy systems, manual processes, and fragmented reporting slowed credit card operations, inflated costs, and blocked cloud readiness.

Solution

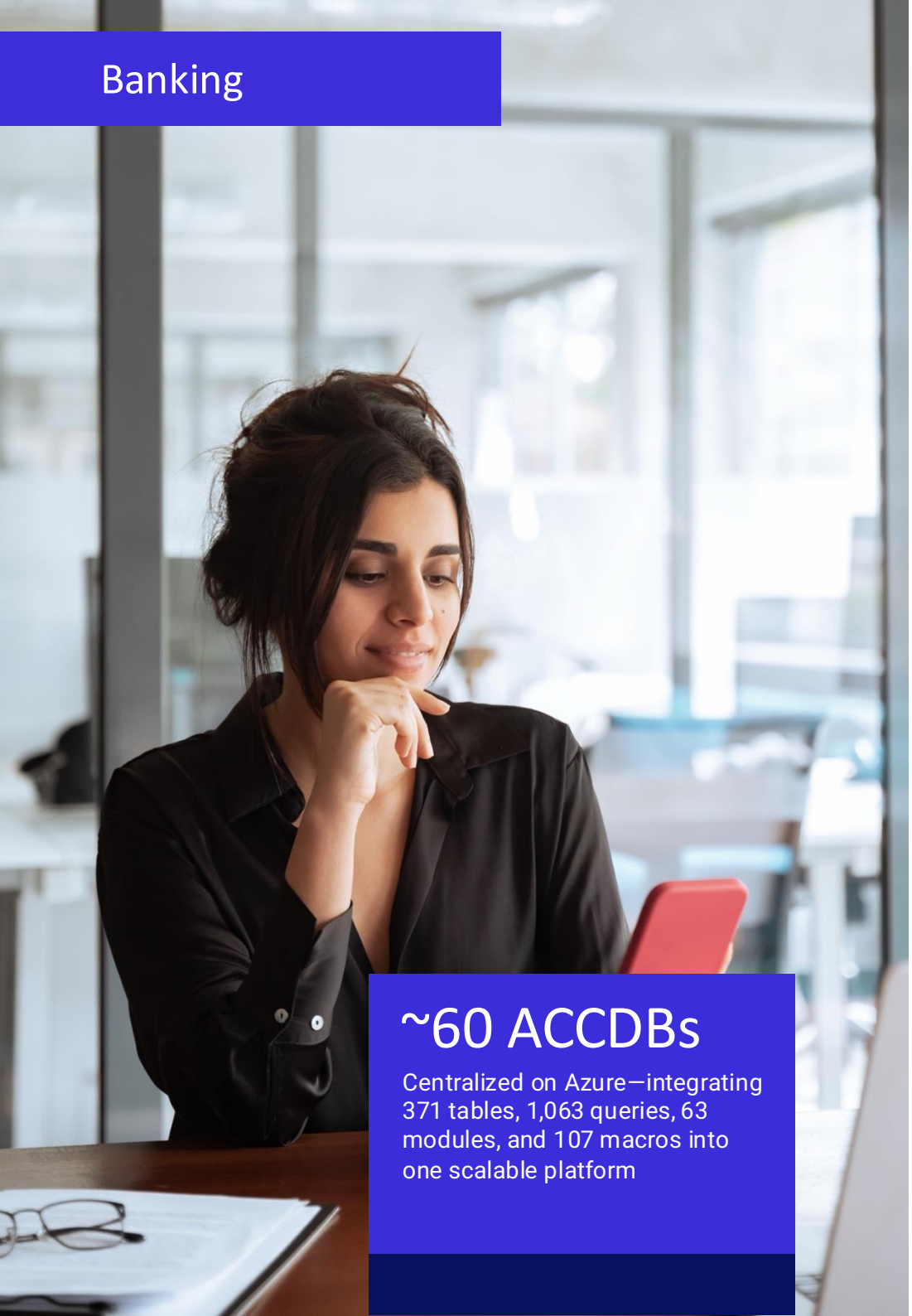
- **Modernized at scale:** Migrated the analytical data warehouse, data pipelines, and ETL jobs to Azure Databricks, replacing legacy credit card data management.
- **Automated conversion**: Transformed 250+ SAS reports to PySpark using our SAS-to-Python automation accelerator, minimizing manual effort.
- **Elevated merchant insights:** Re-platformed merchant card reporting to the cloud, sharpening visibility across 375+ merchants and 33,300 store managers.
- **Future-ready reporting:** Built 55+ business reports covering account activity, applications, GL, and ACH transactions.

40%

Cost optimization by shifting 70% of operations offshore (from 90% onsite)

375+

Merchants empowered with modernized, real-time reporting across 33,300 store managers



Banking

~60 ACCDBs

Centralized on Azure—integrating 371 tables, 1,063 queries, 63 modules, and 107 macros into one scalable platform

Leading US Regional Bank

Modernizing the OPR Ecosystem: Faster, Safer, Scalable Data Operations

Fragmented legacy systems, data quality gaps, and manual processes blocked automation, delayed reconciliation, and heightened operational and regulatory risk.

Solution

- **Assess & Architect:** Built STTM/HLD/LLD blueprints; migrated Access artifacts to Azure (Databricks + GitHub) via iterative sprints.
- **Fix Data at the Core:** Deployed data quality monitoring, enhanced SSN/TIN mapping logic, and isolated SBA exceptions to eliminate false matches.
- **Standardize & Automate:** Created calendaring functions, standardized deposit/business classification, and corrected GL average balance logic.
- **Consolidate & Govern:** Centralized ~60 ACCDBs into a governed, documented cloud platform with automated ETL, testing, and hypercare.
- **Future-Proof:** Automated fee ingestion and designed fee delivery views aligned to 2026 CIP requirements.

Lower

Operational risk & FTE effort through automation, governance, and fully documented processes

Higher

Data accuracy & CIP readiness—consistent reconciliation, refined TAX_ID handling, and a reusable OPR modernization blueprint

Banking



A Leading Global Bank

Modernizing Legacy Data Platforms for Speed, Scale & Savings

Legacy Ab Initio dependence drove high licensing costs, limited cloud elasticity, and slow delivery—120+ jobs needed modernization.

Solution

Hexaware partnered with the client to modernize its data landscape, powered by Amaze®, our GenAI-driven code conversion engine.

- AI-Powered Automated Conversion: Generated complexity and fit-gap reports, then converted 120+ Ab Initio jobs to PySpark on Cloudera with minimal manual effort.
- Built-in Data Quality Checks: Embedded validation ensured accuracy and integrity across analysis and migration.
- Seamless Deployment: Deployed PySpark notebooks to accelerate development and de-risk go-live.

75%

Less effort in code conversion through Amaze®-driven automation

40%

Faster data processing via PySpark's distributed architecture

Lower

TCO & future-ready platform—reduced licensing dependency with a cloud-elastic Cloudera ecosystem



An American Financial Services Company

Comprehensive Data Platform Assessment Following a Financial Services Merger

Post-merger, the client needed to assess 300+ data applications, rationalize tools, and establish compliant data retention and archival practices.

Solution

- Conducted a detailed technology gap analysis across data ingestion, warehouse, quality, MDM, and reporting tools.
- Delivered an assessment report classifying applications to migrate, keep, or retire.
- Recommended a future-ready target-state architecture on Snowflake with optimized tools across ingestion, ETL, quality, and reporting.
- Designed a data archival and retention framework aligned with the client's retention codes and policies.
- Built an AI/ML column-matching algorithm with IDMC/CDGC to discover and validate cross-system table relationships and populate purge-sequencing metadata.

~60%

Less manual work for retention & purge operations

40%

Reduction in TCO for the Snowflake data platform and associated backup & archive costs

Banking



80%

Reduction in transformation time and effort

Leading US-based Banking and Financial Services Provider

Unlocking Faster Insights: Automated Cloud Data Transformation

High-volume transactional data caused performance bottlenecks, slow queries, and delayed insights—demanding a secure, scalable cloud storage and processing solution.

Solution

- Automated migration of 10 years of transactional, credit card, and client data from on-premises SQL Server to AWS S3.
- End-to-end secure pipeline: Data decrypted, spooled into files, processed, and re-encrypted before loading into AWS S3 using SSIS as the ETL tool.
- Fully automated daily transformation of ongoing SQL Server loads to AWS S3—zero manual intervention.
- Seamless Snowflake enablement: Data extracted, decrypted, and loaded into Snowflake to power reporting and advanced analytics.

Moving beyond slow queries and delayed insights, the client gained an automated, secure cloud pipeline and faster, data-driven decision-making at scale.

3M+

Files transformed and migrated successfully

Accelerated

Insights with real-time reporting and advanced analytics on Snowflake

Financial Services



A Leading European Financial Institution

SAS-to-PySpark Migration with AI-Driven Automation

Rising costs and performance limitations of the legacy SAS platform constrained the client's ability to scale and innovate.

Solution

Hexaware powered the transformation with Amaze®, our GenAI-driven code conversion engine.

- **Automated Code Conversion:** Amaze® converted SAS code to PySpark with speed and precision—minimizing manual effort and error risk.
- **Assured Quality:** Built-in quality checks validated accuracy and reliability, safeguarding data integrity at every step.
- **Performance Optimization:** Fine-tuned the converted code to fully leverage Spark's distributed engine, with seamless Azure integration.

30%

Faster data processing through PySpark's distributed architecture

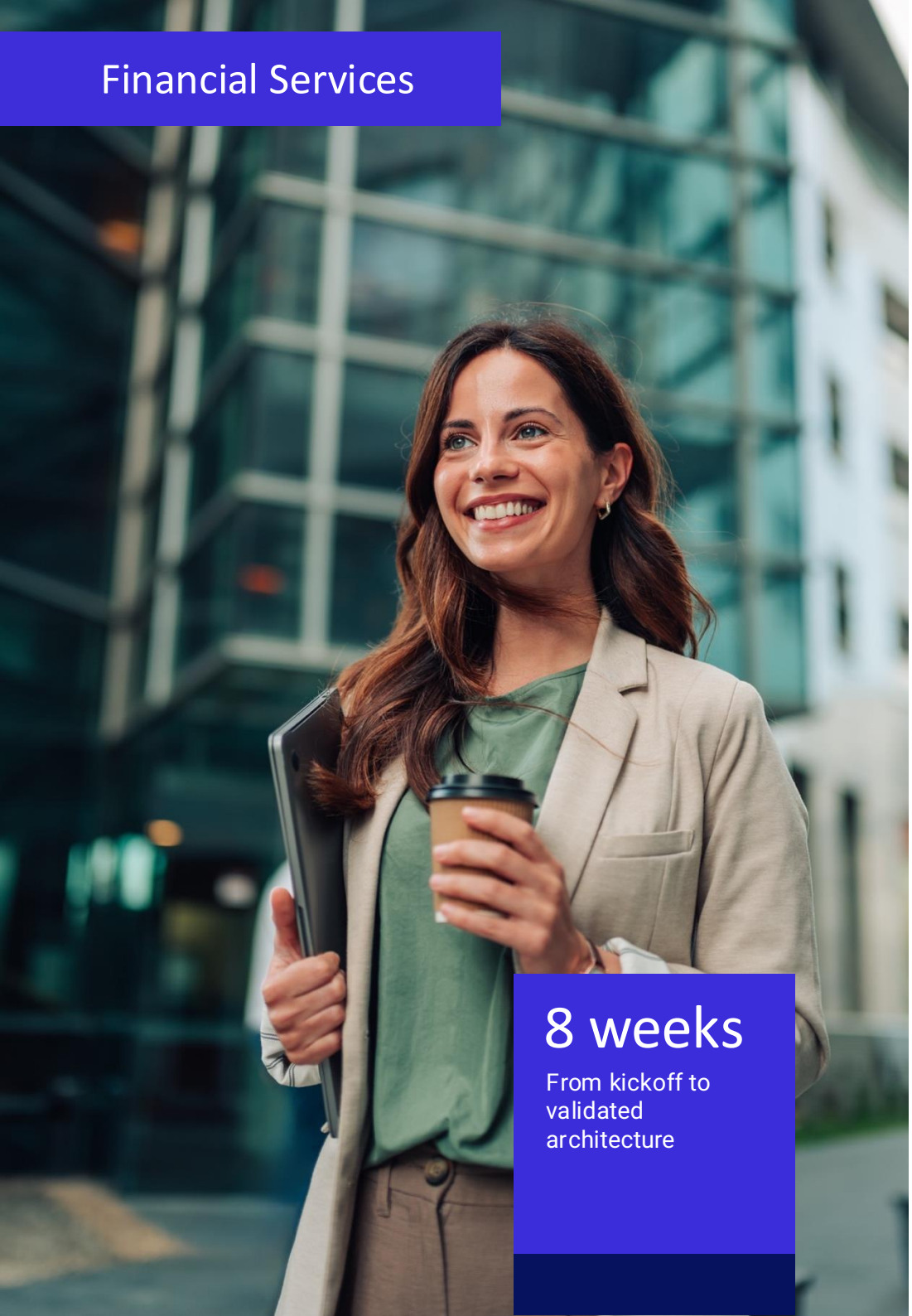
20%

Higher data volume handled with zero performance degradation

Significant

Cost savings by eliminating SAS licensing fees and moving to cost-effective cloud infrastructure

Financial Services



8 weeks

From kickoff to validated architecture

Leading Banking and Financial Services Software Provider

Democratizing Data with Microsoft Fabric and Data Mesh—Building an Enterprise Data Platform

Legacy Oracle warehouse and fragmented tools bred inconsistent data, duplicated effort, and low trust—blocking scalable, AI-ready decision-making.

Solution

- **Reimagined the operating model:** Adopted a Data Mesh framework on Microsoft Fabric with OneLake per domain, domain workspaces, and domain-owned pipelines.
- **Proved it fast:** Delivered an 8-week Discovery & PoC on Customer 360, validating a Fabric-first, mesh-aligned reference architecture.
- **Built on strong foundations:** Implemented a medallion architecture (Bronze/Silver/Gold) with cataloging, lineage, and policy-driven access integrated with enterprise identity.
- **Delivered business-ready data products:** Published a Customer 360 data product with curated datasets and Power BI views mapped to business KPIs.
- **Planned for scale:** Produced a phased, multi-year roadmap with a federated operating model covering roles, data contracts, and guardrails.

Single

Source of truth established

Faster

Time-to-insight with business-led, self-serve analytics

Banking



85%

Less effort in code conversion using efficient LLM analysis

One of the Oldest Australian Banks

AI-Powered SAS-to-Python Migration: Faster, Leaner, Scalable

Rising SAS licensing costs and poor scalability for growing data volumes strained the bank, while legacy scripts slowed data processing and business agility.

Solution

Powered by Amaze®—our GenAI-driven code conversion engine—we delivered:

- Automated, AI-Driven Conversion: Analyzed 22+ SAS scripts (50,000+ lines of code) using an LLM-based approach; generated complexity and fit-gap reports to enable efficient, automated conversion to PySpark.
- Built-in Data Quality Checks: Embedded accuracy and integrity checks across both analysis and migration stages.
- Cloud-Ready Deployment: Delivered a deployment-ready PySpark notebook on cloud infrastructure—cost-effective and built to scale.

30%

Faster data processing via PySpark's distributed architecture

Zero

SAS licensing costs

Banking



Leading Australian Authorized Deposit-Taking Institution

Automated Core Banking Data Migration from DB2 to Finacle

Migrating complex core-banking data from DB2 to Finacle demanded precise, auditable transfer—while 59 manually built SQL scripts risked errors, loss of traceability, and compliance exposure.

Solution

- **Secure, cloud-first foundation:** Extracted DB2 data and loaded it into Microsoft Azure Blob Storage; created Snowflake external tables for fast, efficient querying.
- **Structured migration framework:** Built SQL queries on the STTM framework using all 59 mapping files, with organized Snowflake views for data integrity.
- **Automation at the core:** Developed scripts and data engineering agents to auto-generate SQL queries from mapping files—minimizing manual effort and human error.
- **Enhanced data fidelity & compliance:** Automated traceability across all 59 mapping files strengthened auditability and compliance.

A risky, manual migration became a controlled, automated, and audit-ready journey with Hexaware.

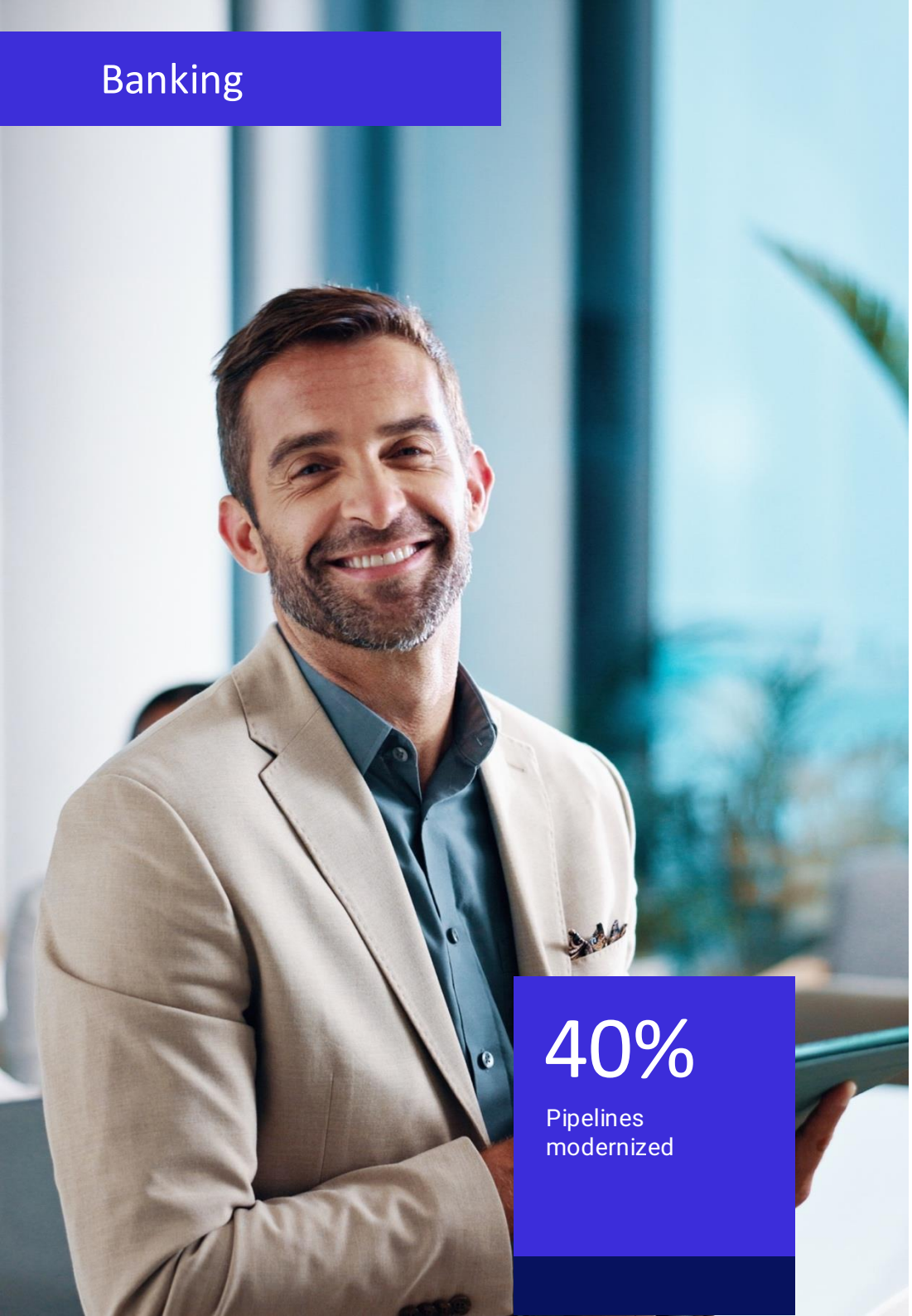
70%

Reduction in manual workload through automated SQL generation and data correction

~50%

Faster migration timeline, powered by automation and intelligent agents

Banking



40%

Pipelines modernized

Leading UK-Regulated Bank

Building a Structured, Scalable, Analytics-Ready Data Platform

A complex, tightly coupled chain of views slowed reporting, hindered troubleshooting, and blocked scalability—limiting enterprise-grade analytics readiness.

Solution

- **Assessed with precision:** Conducted a deep-dive assessment to pinpoint performance bottlenecks and data-modeling gaps.
- **Re-architected for scale:** Implemented a domain-driven data architecture on Snowflake, with well-defined dimension, fact, and metric layers aligned to best practices.
- **Simplified the data pipeline:** Introduced worktables for efficient staging and transformations—cutting down complex view dependencies.
- **Enabled real-time reliability:** Deployed Streams for incremental processing and dependable change data capture (CDC).
- **Secured data integrity:** Built Slowly Changing Dimensions (SCDs) to accurately track historical changes.
- **Accelerated reporting:** Delivered Active Tables optimized for high-performance analytics.

35%

Reduction in data maintenance and troubleshooting effort

30%

Faster onboarding of new analytics use cases



Financial Services

Leading Australian Consumer Lender

Accelerated Azure Migration: Faster Launches, Lower Costs

The legacy on-premises data warehouse could not meet business needs; the client sought a scalable, cost-effective Azure migration with modernized MDM and DevSecOps.

Solution

- Deployed Amaze®-powered automated data warehouse modernization for rapid, low-risk migration.
- Assessed 1,000+ tables, 500+ views, 200+ procedures, 60+ functions, and 1.3 TB of data for Azure Synapse suitability—within just two weeks.
- Auto-refactored SSIS ETL jobs to Azure Data Factory, ensuring seamless code upgrades.
- Recommended Profisee for master data management on Azure to boost performance.
- Enabled a shift from CAPEX to OPEX and modernized DevSecOps capabilities.

60%
Faster time-to-market

50%
Reduction in ETL migration and testing effort through a factory model that ensures consistency and reduces risk

~40%
Reduction in total cost of ownership (TCO)



Financial Services

A Global Business Payments and Spend Management Leader

Accelerating Analytics-Driven Decisions on AWS

Data was fragmented across Oracle, SQL Server, and Salesforce, and manual, error-prone reporting delayed critical business decisions.

Solution

- Architected an automated data pipeline using Amazon AppFlow to seamlessly retrieve data from Oracle.
- Deployed Informatica to extract, mask, and transform data from Oracle and SQL Server into Amazon S3.
- Leveraged AWS Lambda to convert XML to JSON, ensuring format readiness downstream.
- Used AWS Glue to perform advanced transformations and load curated data into Amazon Redshift.
- Delivered a unified, secure, single source of truth for enterprise-wide reporting and analytics.

70%

Reduction in data processing time

30%

Reduction in storage needs

Single

Source of truth on Redshift

Financial Services



~100k

Accounts disassociated, eliminating access and audit risks

A Leading US-based Financial Holding Company

Data Transformation Powering Faster, Cleaner Reporting

Daily ETL bottlenecks caused missed SLAs, ~100k accounts pending disassociation created audit risks, and evolving business rules broke downstream pipelines.

Solution

- **Streamlined Daily ETL Batch:** Resolved logical bugs, strengthened exception handling, and boosted SLA compliance.
- **Acted Proactively on Risk:** Identified and validated ~100k user accounts for disassociation through data analysis and reconciliation.
- **Future-Ready Schema:** Added new tables and columns via ETL, seamlessly extended to downstream reports.
- **Built for Agility:** Enabled rapid business rule changes through configuration with minimal code deployments.

18%

Reduction in incident volumes

20%

Reduction in manual effort, driving productivity

Interested in accelerating your business outcomes?

Let’s start the conversation. Reach us today at marketing@hexaware.com and discover how our expertise can drive AI adoption across your enterprise.

About Hexaware

Hexaware is a global technology and business process services company. Every day, Hexawarians wake up with a singular purpose: to create smiles through great people and technology. With this purpose gaining momentum, we are well on our way to realizing our vision of being the most loved digital transformation partner in the world. We also seek to protect the planet and build a better tomorrow for our customers, employees, partners, investors, and the communities in which we operate.

With offices across the world, we empower enterprises to realize digital transformation at scale and speed by partnering with them to build, transform, run, and optimize their technology and business processes.

Learn more about Hexaware at https://www.hexaware.com.

Get in touch