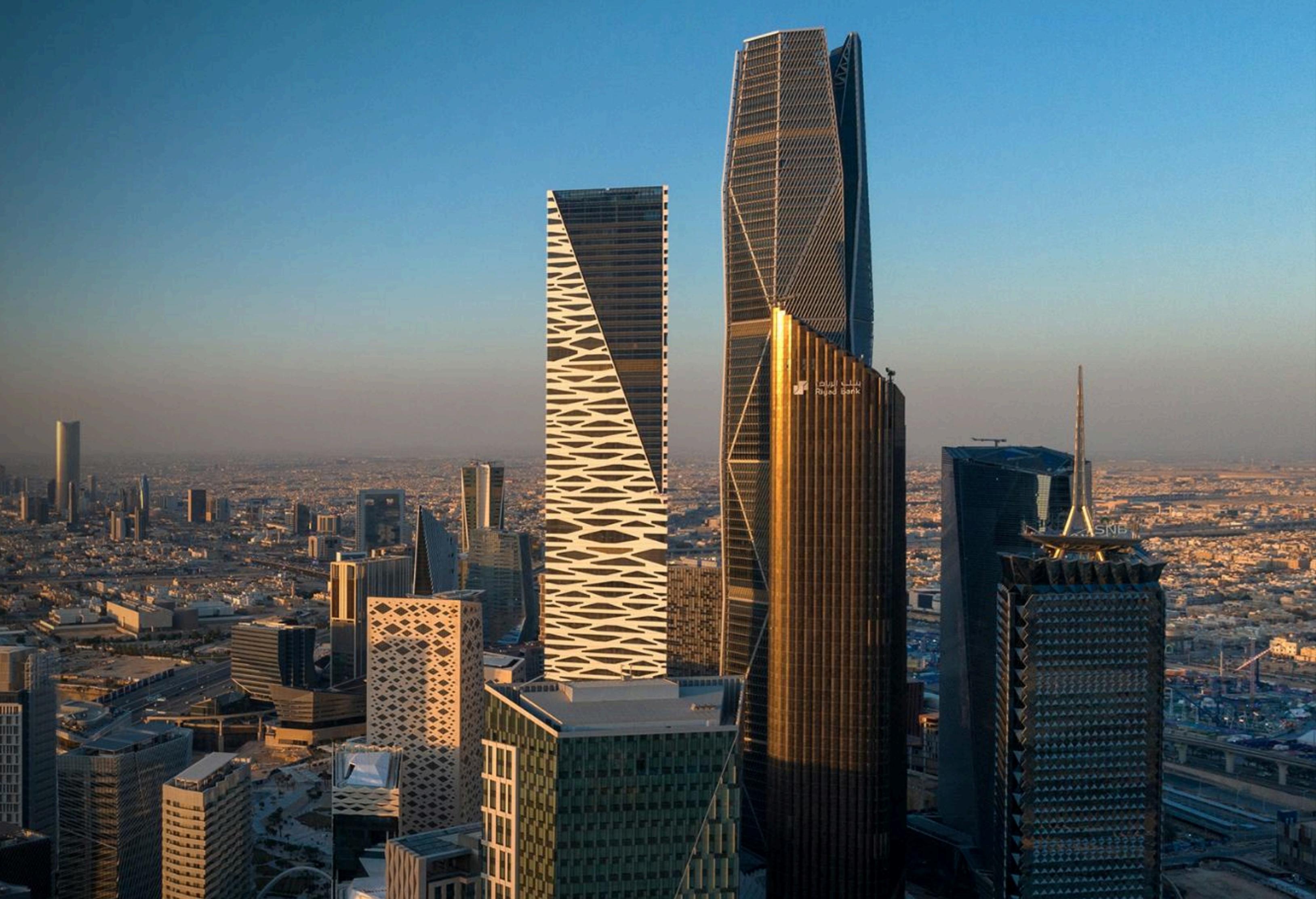
A leading **Saudi bank** improves **regulatory data governance**, speed, and scalability with a **modern data architecture**



AT A GLANCE

As reporting expectations from the Saudi Central Bank (SAMA) and the National Data Management Office (NDMO) increased, the client needed to modernize a fragmented legacy ETL environment. ITC Infotech helped establish a governed Data Lakehouse architecture with end-to-end lineage, standardized data modelling, and secure virtualized access, creating a stronger foundation for faster reporting and governed data access.

50–70%	~95%	20 - 40%
faster reporting expected	expected lineage coverage	projected cost savings

THE NEED FOR CHANGE

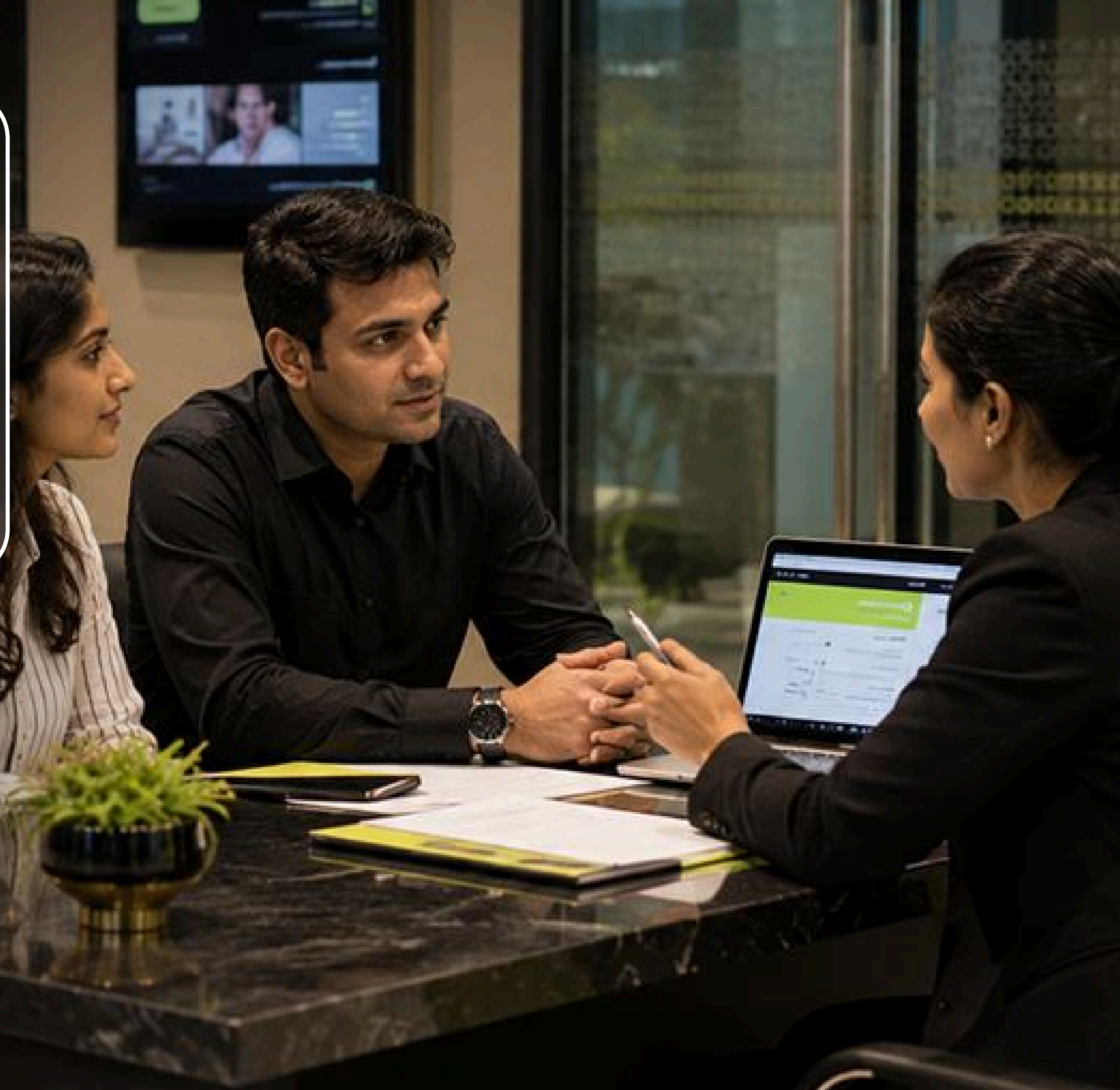
Moving beyond fragmented ETL systems to meet rising regulatory and governance demands

As Saudi Arabia's Vision 2030 accelerated digital finance, the client faced increasing pressure to deliver more granular, auditable, and timely regulatory data submissions.

- Reporting delays driven by batch-dependent processing
- Hard-coded business logic across disparate ETL jobs
- Limited lineage visibility across critical risk data (<40%)
- High maintenance effort for regulatory change requests
- Scalability constraints in the legacy architecture

However, its legacy environment posed multiple challenges. Limited lineage visibility and the absence of a metadata catalog weakened auditability, compliance control, and traceability across ETL workflows.

The business needed a modern data architecture that could improve governance, support regulatory reporting, and scale more efficiently. It also needed to ensure data residency within the Kingdom in line with SAMA and NDMO mandates.



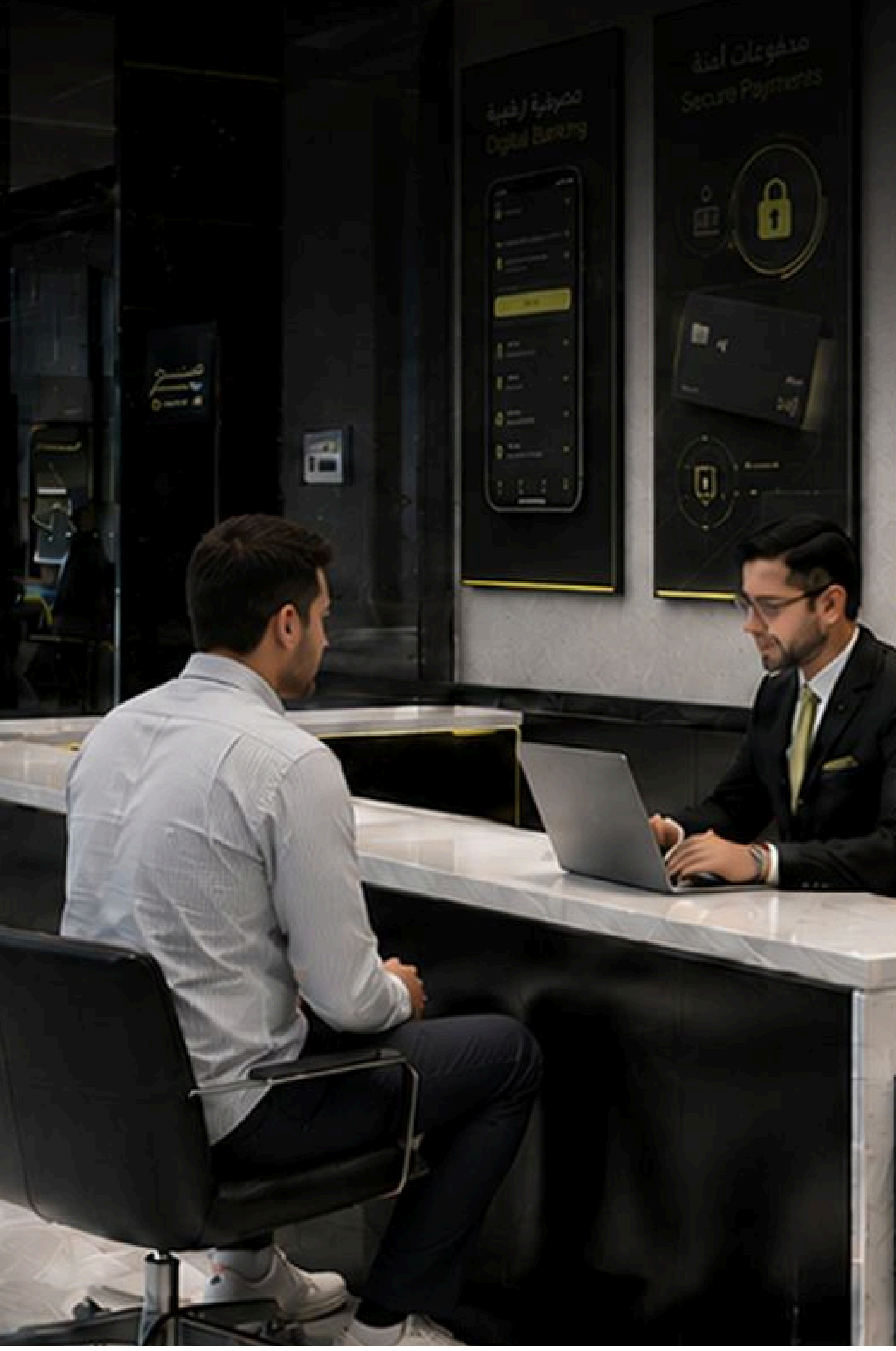
ARCHITECTING THE TRANSFORMATION

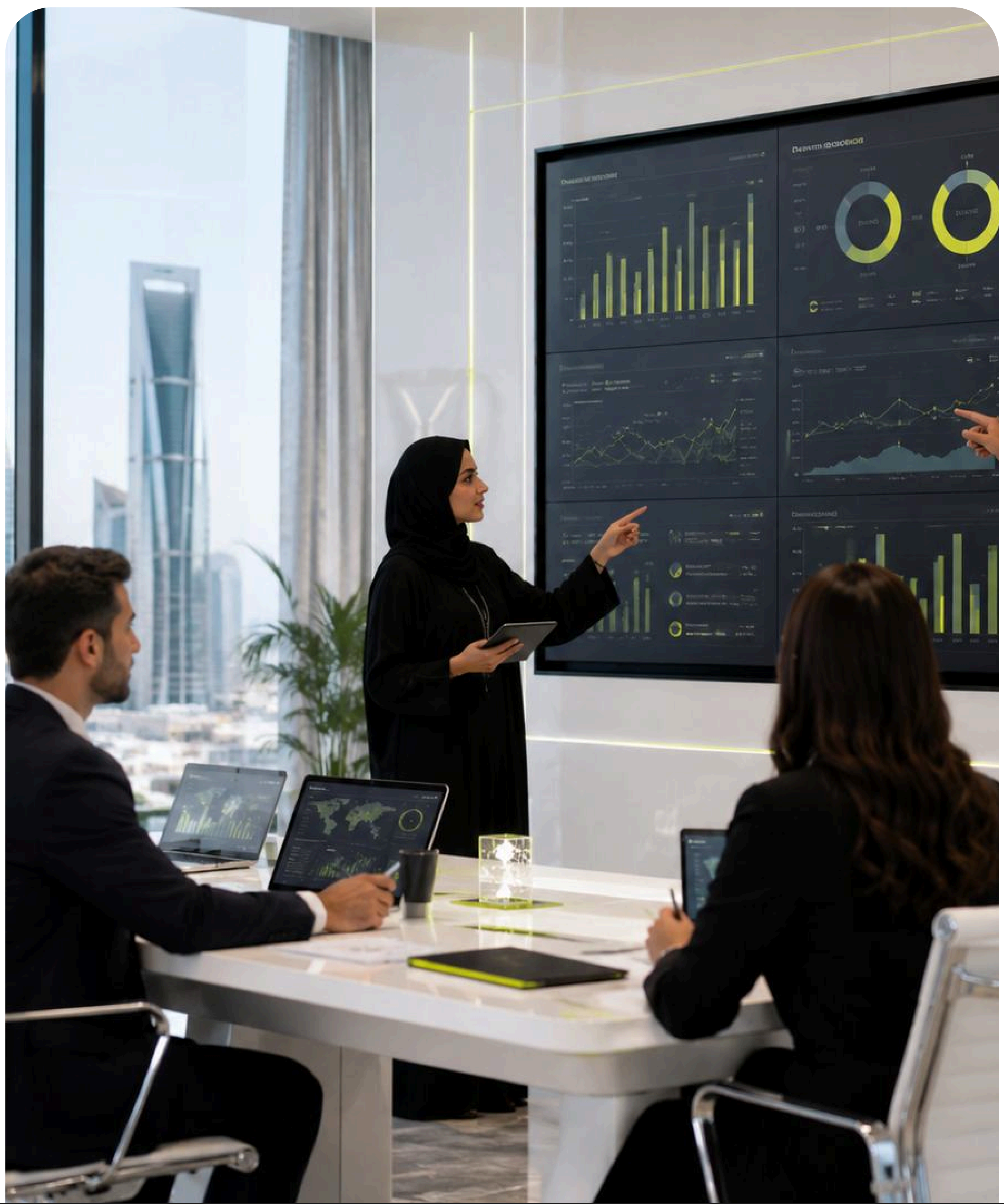
A structured optimization program focused on performance, efficiency, and governance

ITC Infotech helped establish a governed Lakehouse on Cloudera to unify fragmented ETL pipelines into a more scalable & auditable architecture.

We leveraged Informatica Big Data Management (BDM) to replace legacy jobs with governed batch and micro-batch pipelines, aligned curated data to the Teradata Financial Services Logical Data Model (FSLDM), and enabled secure virtualized access through Denodo.

Data quality rules were applied at ingestion, lineage was strengthened across critical data elements, and row- and column-level security controls supported regulatory access requirements. A phased migration approach helped minimize disruption to critical reporting workloads.





THE IMPACT

Better control, faster reporting, stronger scalability

35% reduction in data delivery timelines

100% alignment with NDMO Pillar 4

~SAR 12 Mn in value protected

Established better ways of working

Contact Info

contact.us@itcinfotech.com

www.itcinfotech.com