

FROM DATA CHAOS TO AI-READY IN 4 MONTHS: HOW A LEADING ENTERPRISE MODERNIZED 3X FASTER WITH ARIVONIX AI

Cutting a \$15M, 3-Year Data Transformation Down to \$6M in 8 Months Without Replacing the Whole Stack

The Situation

A large enterprise had all the right intentions: intelligent automation, AI-assisted decision-making, and real-time visibility into operations.

But while the roadmap looked strong on paper, every initiative was hitting the same friction point unreliable, inconsistent data.

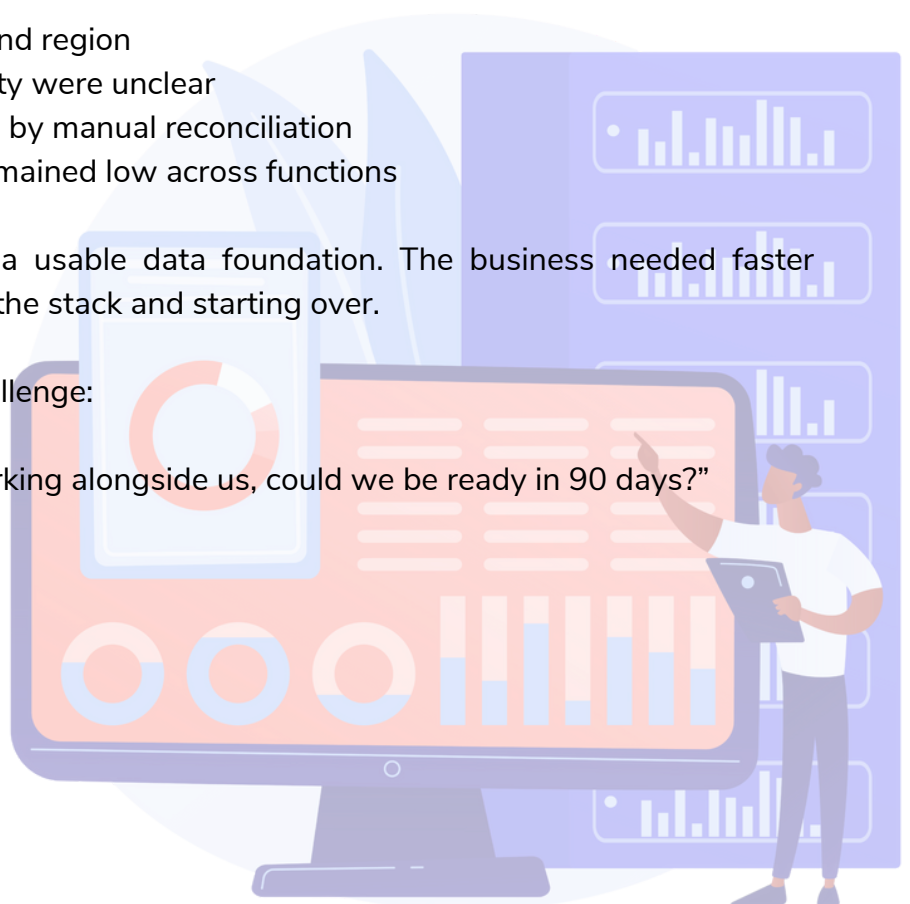
Despite investing in data lakes, cloud infrastructure, and integration tools, execution was slow:

- Definitions varied by team and region
- Ownership and accountability were unclear
- Data pipelines were blocked by manual reconciliation
- Trust in “golden sources” remained low across functions

Years of effort hadn't yielded a usable data foundation. The business needed faster progress without tearing down the stack and starting over.

The executive team posed a challenge:

“If we had the right partner working alongside us, could we be ready in 90 days?”



The Challenge

The original plan was a familiar one: rebuild the architecture, migrate everything to the cloud, and rethink how data flows across the enterprise.

But it came with a steep cost of **\$15M over three years**, with little business value expected before year two.

There was a better question to ask:

What if we could **work within the existing toolchain**, focus on the most critical domains, and rapidly enable business-ready data?

To do that, the company needed more tools. It needed embedded execution capacity **data engineers, architects, and domain experts** who could collaborate directly with internal teams to get it done.

The Solution

Arivonix AI led a focused 90-day sprint to operationalize data across the company's most strategic domains without requiring a full-stack replacement.

By embedding architects, analysts, and domain experts directly into internal teams, and powering the engagement with the Arivonix AI platform, the project moved at speed:

- **Mapped and profiled 1,000+ datasets** across on-prem and cloud environments
- Deployed a **federated query layer** to minimize unnecessary migration
- Established a **shared semantic model** across core business entities
- Created sandbox environments for safe testing of downstream integrations
- Embedded **lineage, governance, and access controls** from day one

Importantly, Arivonix AI worked within the enterprise's existing systems and processes—avoiding costly rework or disruption.

The Results

Within 60 days, measurable progress was delivered:

- **80% of critical records virtualized and validated** in a governed data model
- **Manual reconciliation time cut in half**, unblocking AI and analytics pilots
- **Live data sharing across multiple core systems** with no duplication
- Previously delayed initiatives moved into production testing

Executives gained new visibility into metrics like **data coverage, freshness, and anomaly detection**, allowing better prioritization and regulatory readiness.

The Business Impact

A \$15M transformation plan was re-scoped into an **8-month, \$6M initiative** with foundational work completed in the first quarter.

- Business teams began consuming trusted, ready-to-use data
- AI use cases moved from backlog to pilot within weeks
- No lift or shift. No major tech disruption. Just real momentum.

What was once a long-term dependency becoming a short-term success story accelerating innovation while lowering risk.

