

Data Modernization for a Global Retailer

Business Problem



- Huge volume of Ab Initio graphs (1500+) without governance — broken lineage, absent standards, near-zero reuse
- Customized ETL per project — no component library, no patterns; every build from scratch
- AIX → Linux migration and Ab Initio v3.0+ upgrade — risk of breaking 1,500+ graphs, no rollback net
- Heterogeneous targets (Teradata, Oracle, Vertica) — no unified data strategy or metadata management
- HSC skill deficit — complex initiatives required external suppliers; no internal ownership

Solution



- **Reusable Ab Initio framework:** sub-graph library for DW and integration patterns, sizing guide, and role definitions
- **End-to-end ETL architecture:** EME design, sandbox structure, interface standards, and data quality strategy
- **Metadata cleanup and lineage repair across 1,500+ graphs** — automation standards established
- **Reference implementation on a live Tesco project** — framework proven in production with HSC team
- **Competency uplift via co-delivery + workshops** across development, architecture, and operations
- **SDLC governance:** review gates, sponsor reviews, Ab Initio vendor sign-off on artifacts

Value Delivered



- ✓ **Cost per build slashed** component library eliminated build-from-scratch cycles
- ✓ **Time-to-market accelerated** framework drove faster releases and leaner pipelines
- ✓ **Lineage repaired — impact analysis enabled** lineage standards enabled impact analysis before any change
- ✓ **HSC team self-sufficient** HSC team upskilled — external dependency structurally reduced
- ✓ **Scalable data backbone delivered** data backbone ready for next-gen BI and complex integration



1,500+

Ab Initio Graphs



03

Parallel Workstreams



Multi Year

Transformation