



HITACHI

Hitachi Solutions Europe

G-Cloud 15 Service Definition Document

Data Migration Factory

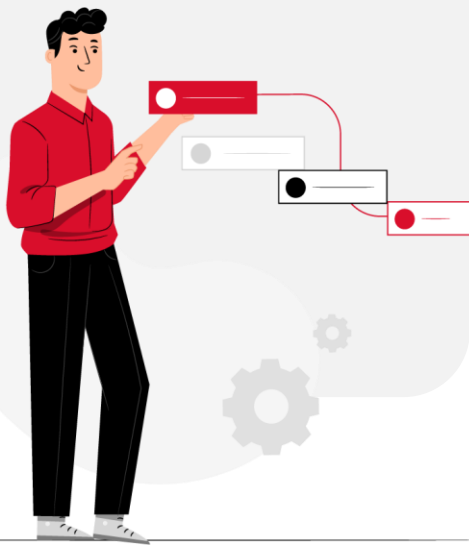
Data Migration Factory

What the service is, what you get, and the benefits

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Service Description

Plan, build and run repeatable data migrations from legacy systems to cloud and software platforms. We profile data, define mappings, cleanse and transform, automate extract, transform and load (ETL), and run migration rehearsals. Deliver cutover plans, data quality evidence, and post-migration reconciliation for assured go-live.



Service Features

- Data profiling, discovery and migration readiness assessment.
- Source-to-target mapping and transformation rules.
- Data quality checks, cleansing and de-duplication.
- Automated extract, transform and load pipelines.
- Migration tooling setup, scheduling and monitoring.
- Test migrations, reconciliation and defect management.
- Cutover planning, runbooks and rollback procedures.
- Security controls for sensitive and personal data.
- Performance optimisation for large datasets and peak cutover.
- Knowledge transfer, documentation and handover to operations.



Service Benefits

- Reduce migration risk with rehearsals and proven delivery playbooks.
- Improve data quality before go-live through cleansing and validation.
- Speed up delivery using repeatable tooling and automation.
- Minimise downtime with structured cutover and rollback plans.
- Provide audit evidence with reconciliation reports and quality metrics.
- Protect sensitive data using secure handling and access controls.
- Enable faster user adoption with accurate migrated records.
- Reduce manual effort through automated validation and exception handling.
- Support ongoing change with incremental and repeat migrations.
- Improve confidence in go-live with clear cutover rehearsals.



Data Migration Factory

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Repeatable, assured migration from legacy data to modern platforms



What this service is for

Move data safely, with evidence, not guesswork

Teams often need to migrate data while keeping services running, meeting fixed cutover windows, and maintaining trust in reporting. This service sets up a repeatable “factory” approach so migrations are planned, automated and controlled, rather than handled as one-off scripts.

We help you understand the data you have, agree what “good” looks like, and move it in a way that supports go-live confidence. You get clear plans, measurable data quality evidence, and reconciliation outputs that support assurance and audit needs.

Key outcomes: Migration readiness clarity | Automated repeatable ETL | Data quality evidence | Cutover confidence | Reconciliation assurance



Why this service is useful

Removes the biggest causes of late, risky migrations

Migrations fail when teams discover late that data is missing, inconsistent, duplicated, or mapped incorrectly. Manual extracts and spreadsheet-based validation create rework, slow down testing, and make it hard to explain decisions to stakeholders.

This service reduces waste by making data profiling, mapping, cleansing, validation and reconciliation part of a structured delivery loop. You get earlier visibility of issues, clearer ownership for fixes, and repeatable automation so each migration cycle is faster and safer.

Common triggers: Legacy replacement programme | Multiple source systems | Poor data quality | Tight cutover window | Audit and assurance scrutiny | Repeated release cycles



Why this service is different

Evidence-led migration, built for repeat use

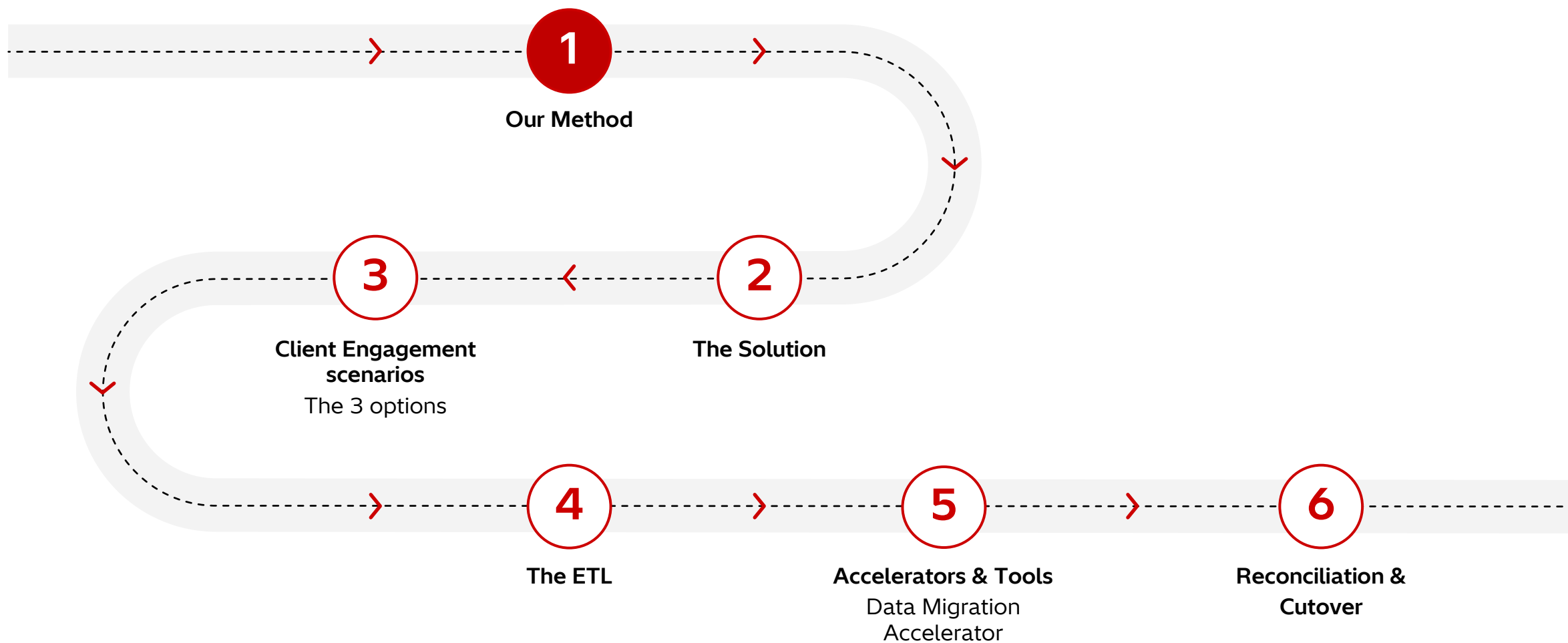
We run migration as an evidence-led delivery process: profile first, agree mappings and rules, automate pipelines, then prove outcomes through test migrations and reconciliation. That means decisions are visible, measurable, and easier to assure.

The “factory” approach focuses on repeatability: standard ways of working, consistent artefacts, and rehearsals that de-risk go-live. Security controls for sensitive and personal data are built into the approach, with governance touchpoints and decision logs.

Differentiators: Rehearsal-led risk reduction | Built-in reconciliation evidence | Repeatable delivery playbooks | Secure handling by design | Clear handover to operations

Data Migration **Factory**

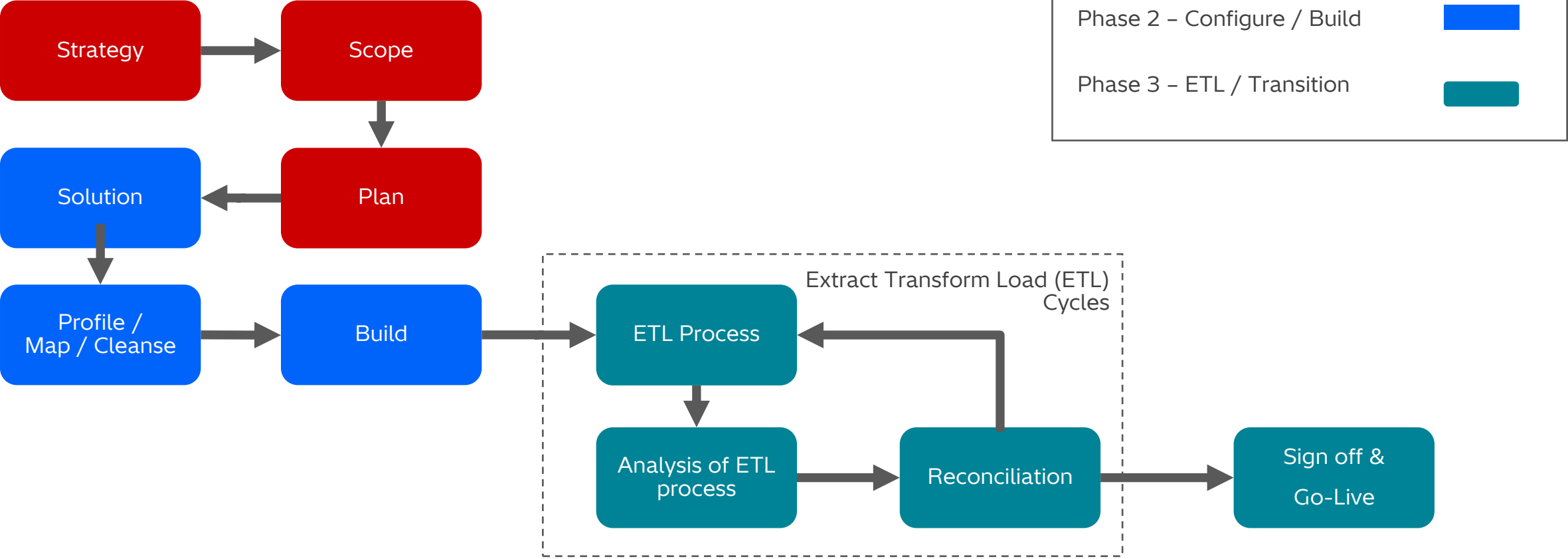
Data Migration



Data Migration Methodology

Our repeatable migration flow

This is our repeatable migration flow. We agree scope and plan, build the migration solution, then run controlled ETL cycles with reconciliation after each run. We only move to sign-off and go-live when the data quality and reconciliation evidence is proven.

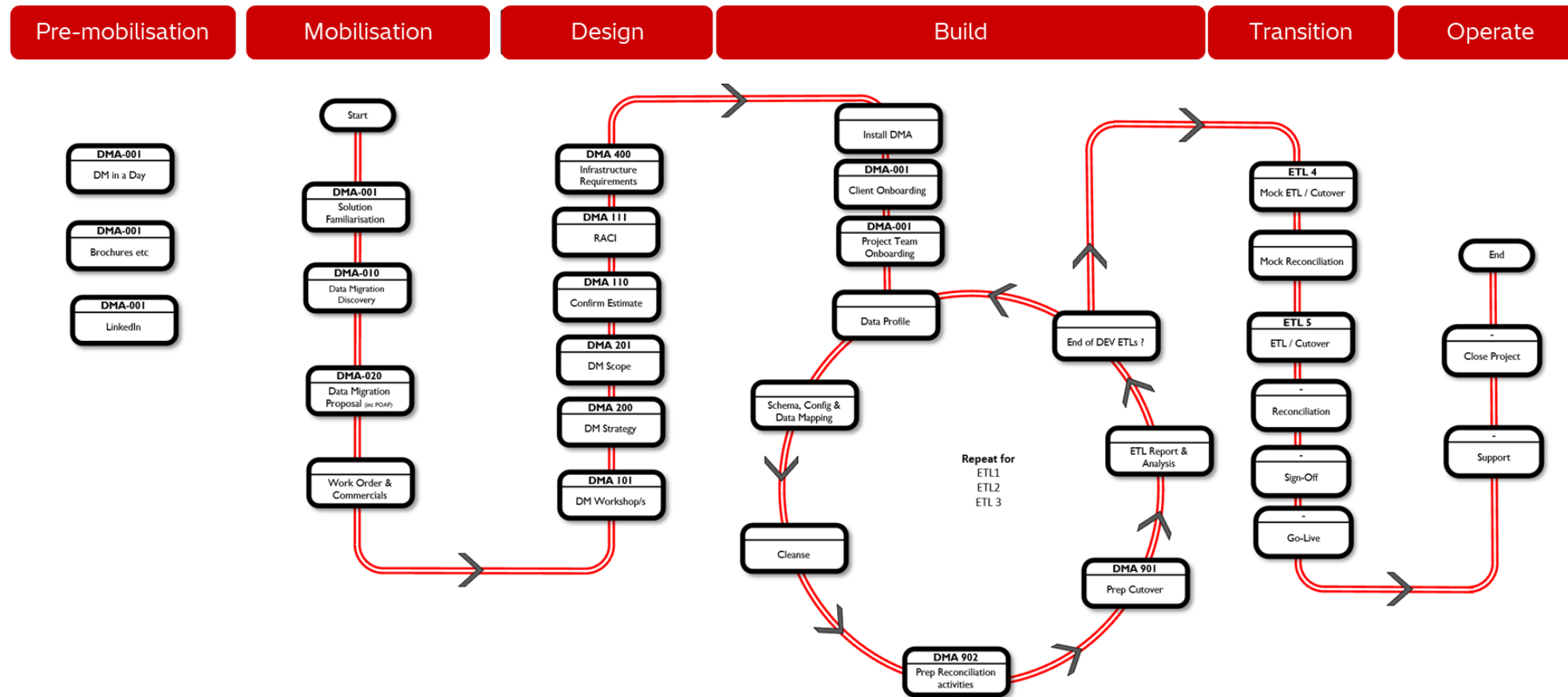


Our Data Migration Methodology

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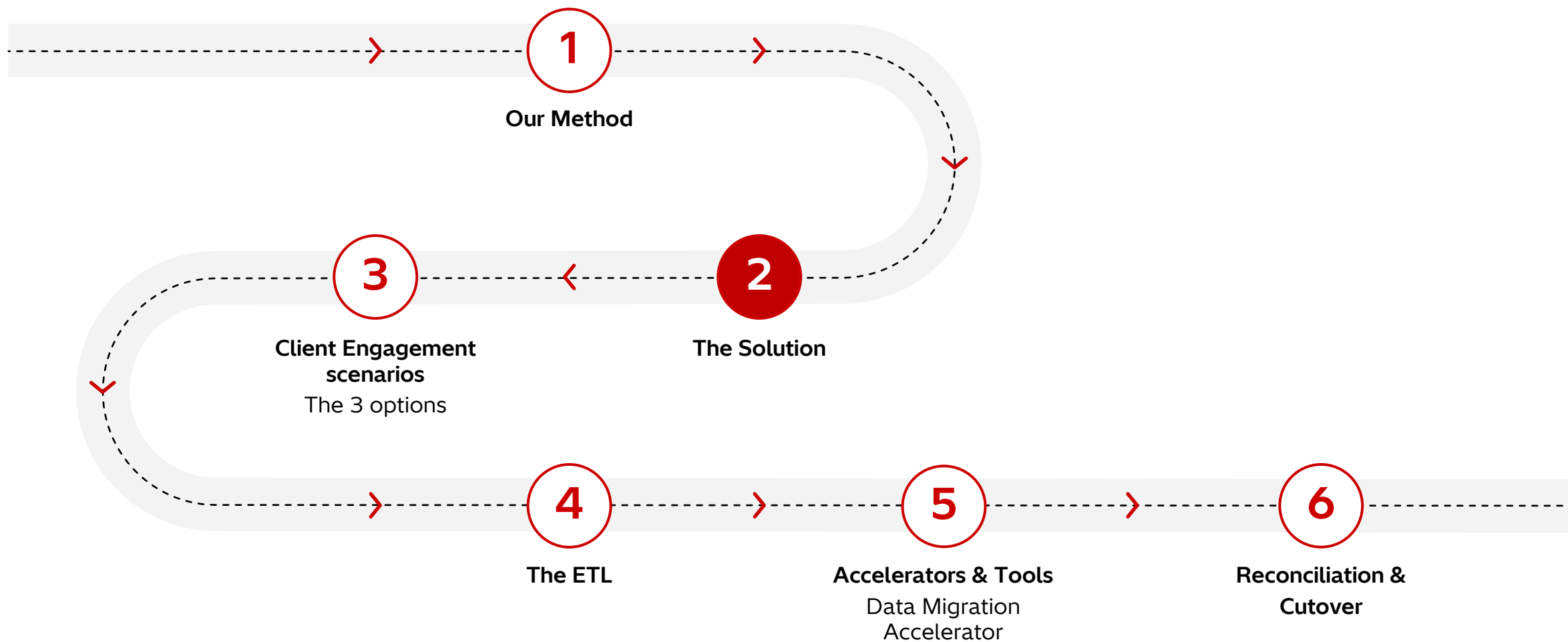
End-to-end factory operating model: mobilise, design, build, transition and operate

The key point is repeatability: defined activities, governance touchpoints, and a clear loop from ETL execution to analysis, reconciliation and cutover readiness.



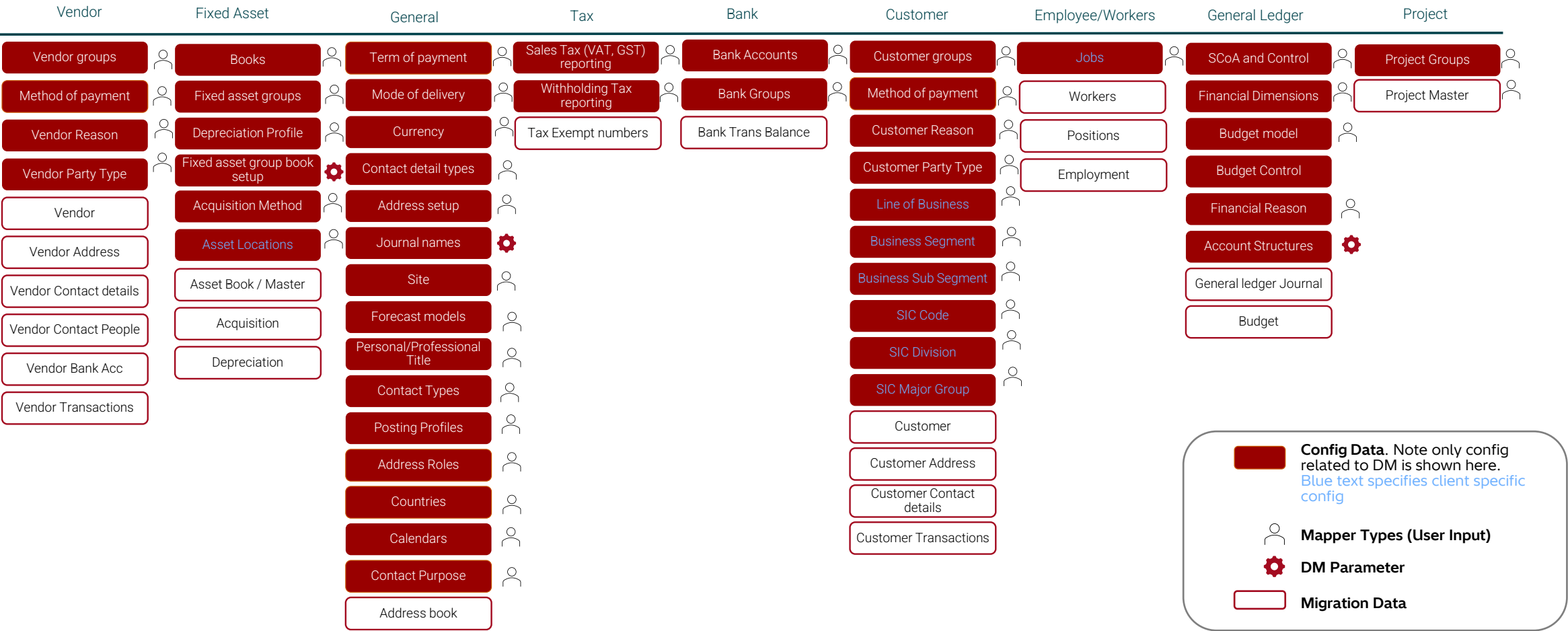
Data Migration **Factory**

Data Migration



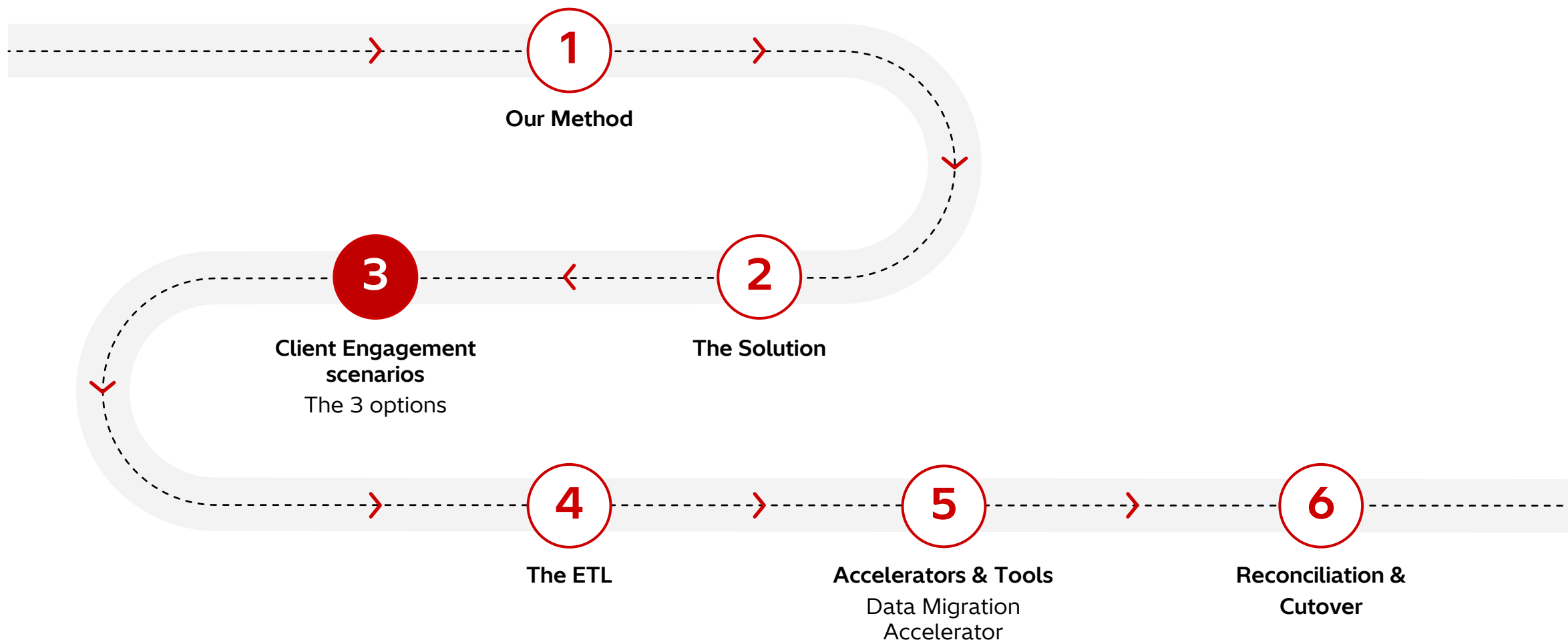
A Finance Example

This is why a factory approach matters. Even one domain like Finance has many entities and dependencies. We use structured profiling, mapping and rules so nothing is missed and data lands correctly first time.



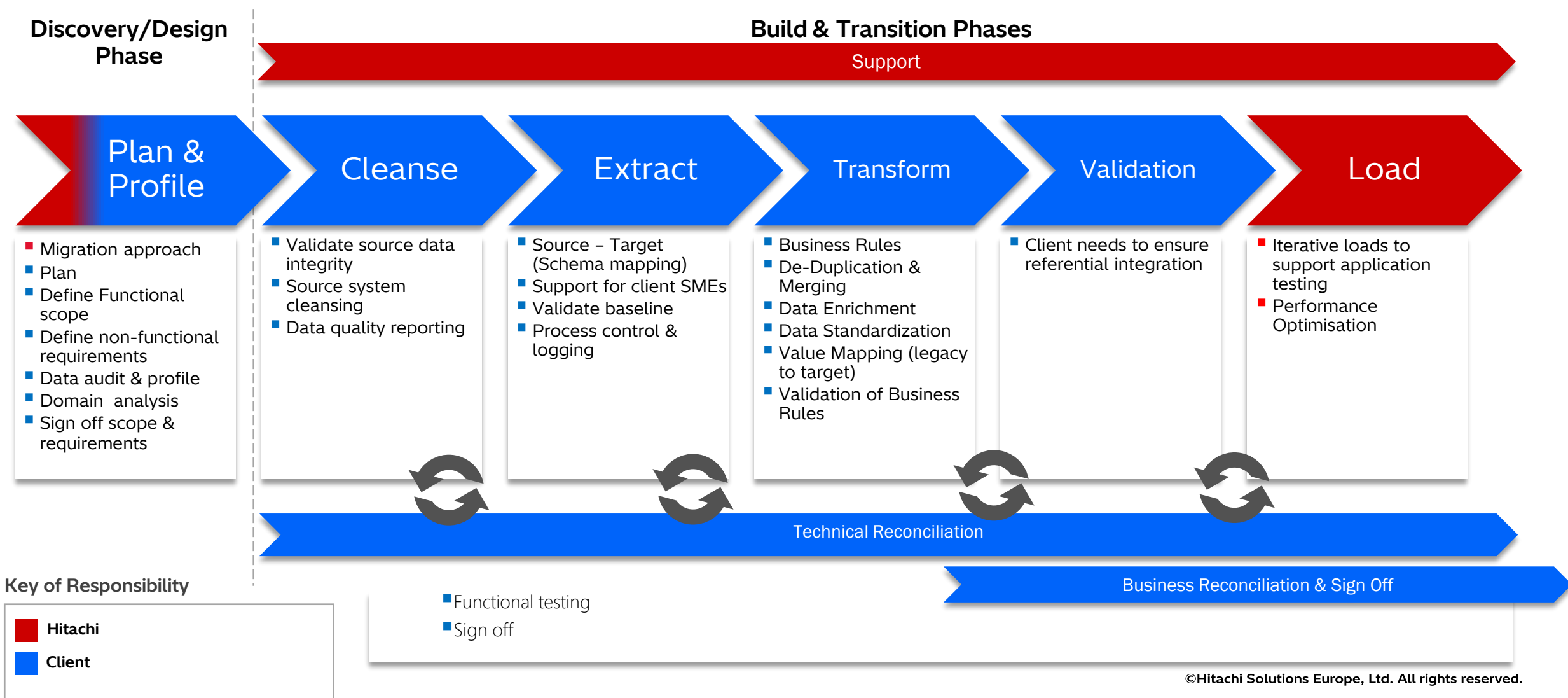
Data Migration **Factory**

Data Migration



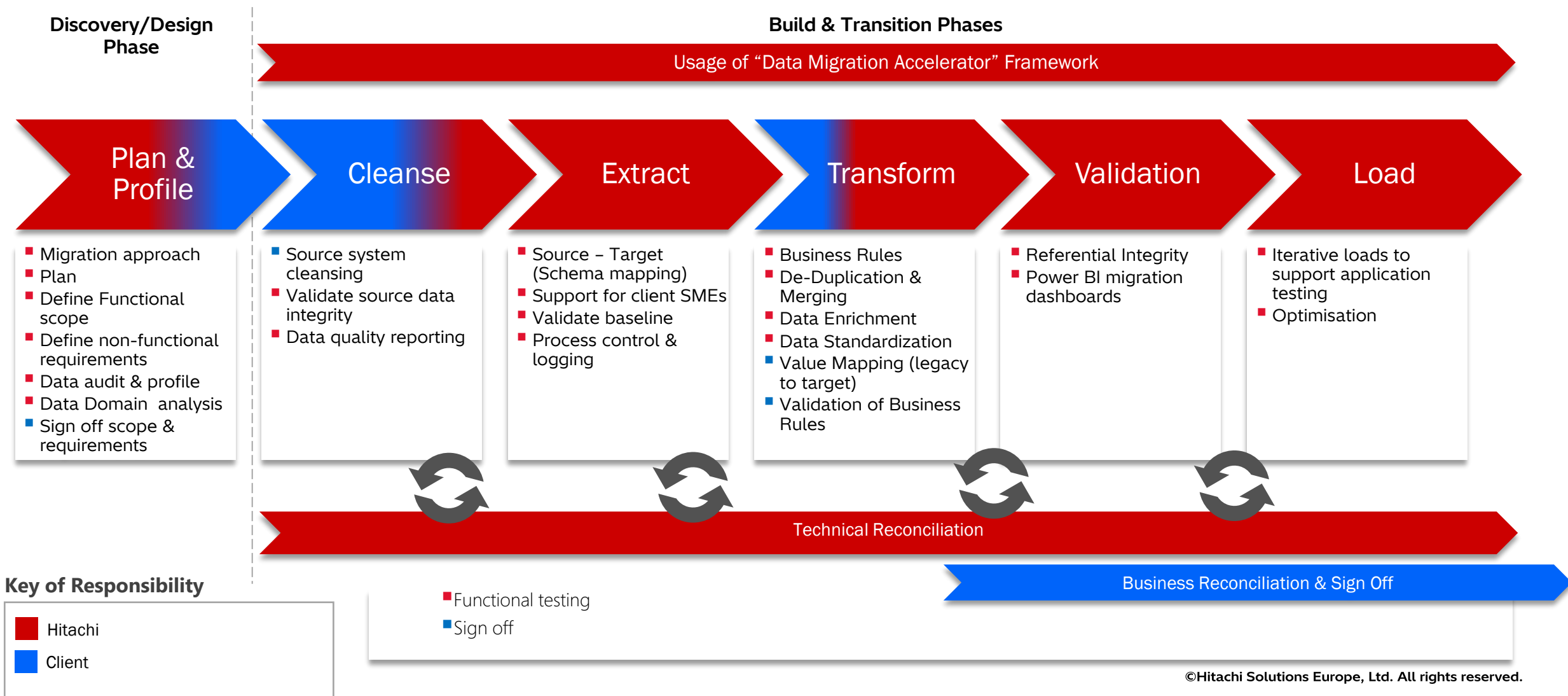
Scenario #1 - Hitachi Load Only

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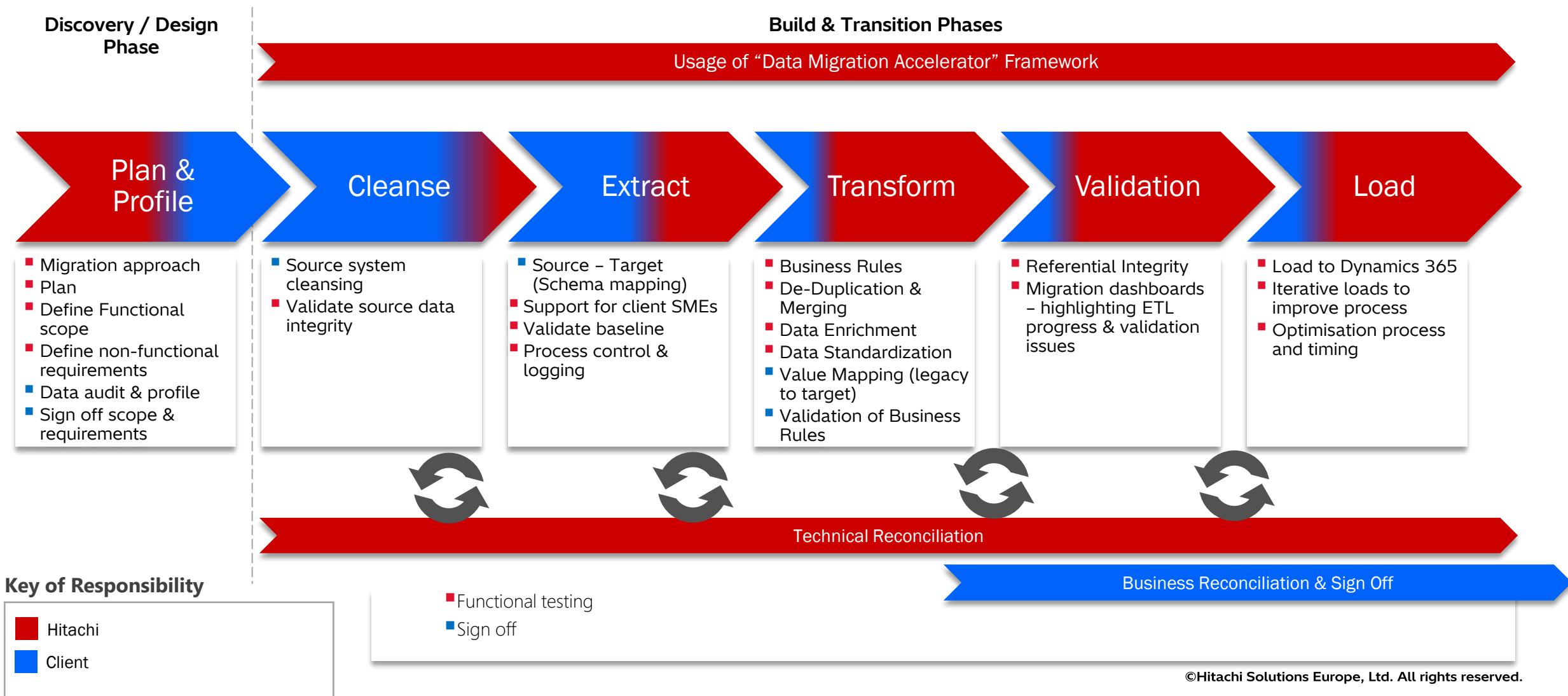
Scenario #2 - Hitachi Full Migration offering

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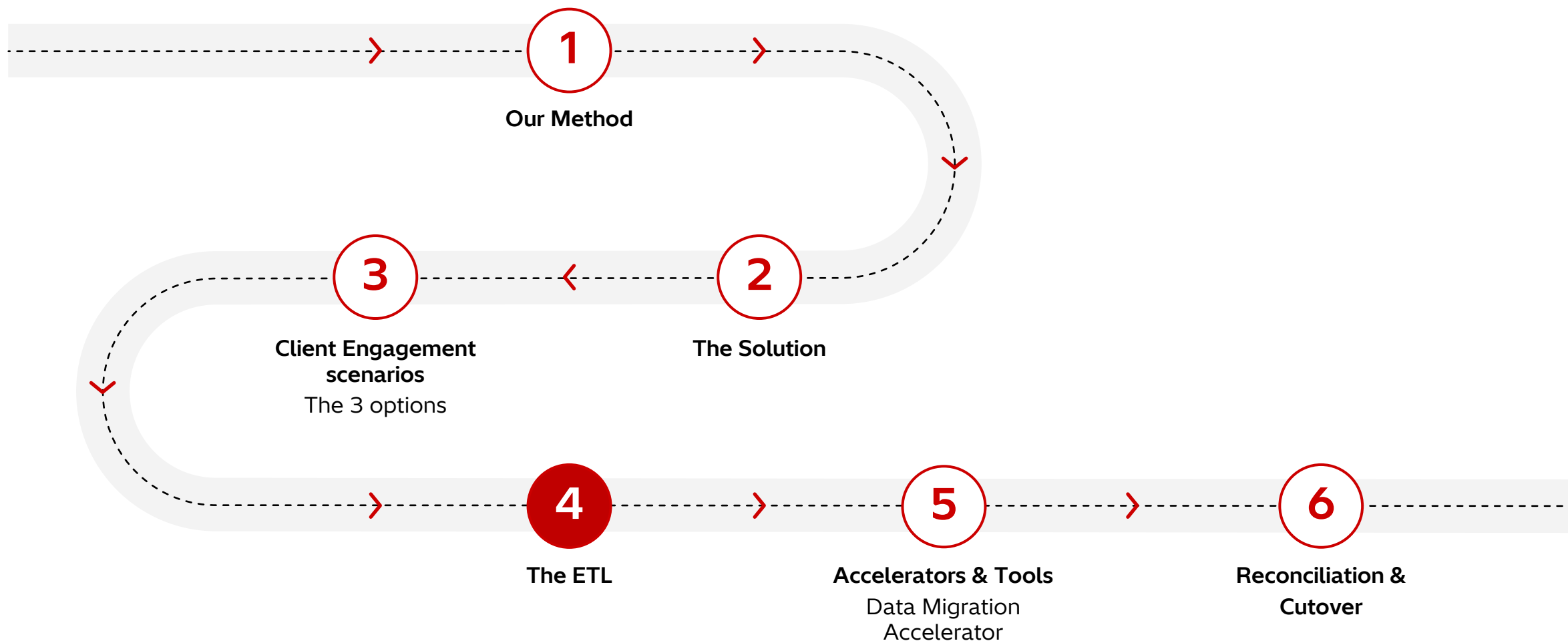
Scenario #3 - “Essentials For” Data Migration

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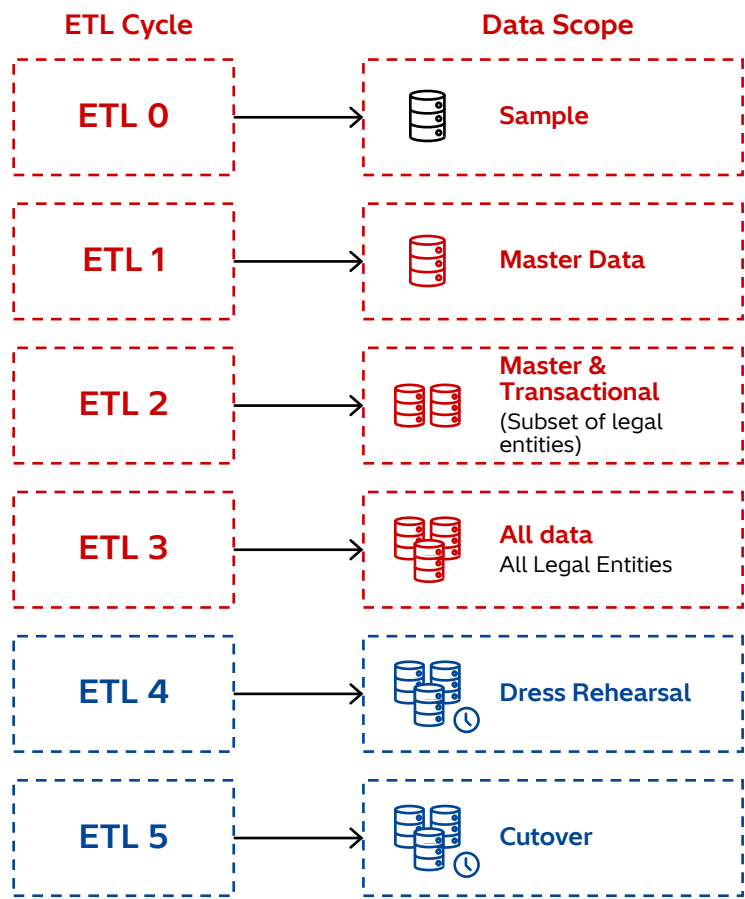
Data Migration **Factory**

Data Migration



Example ETL Cycles

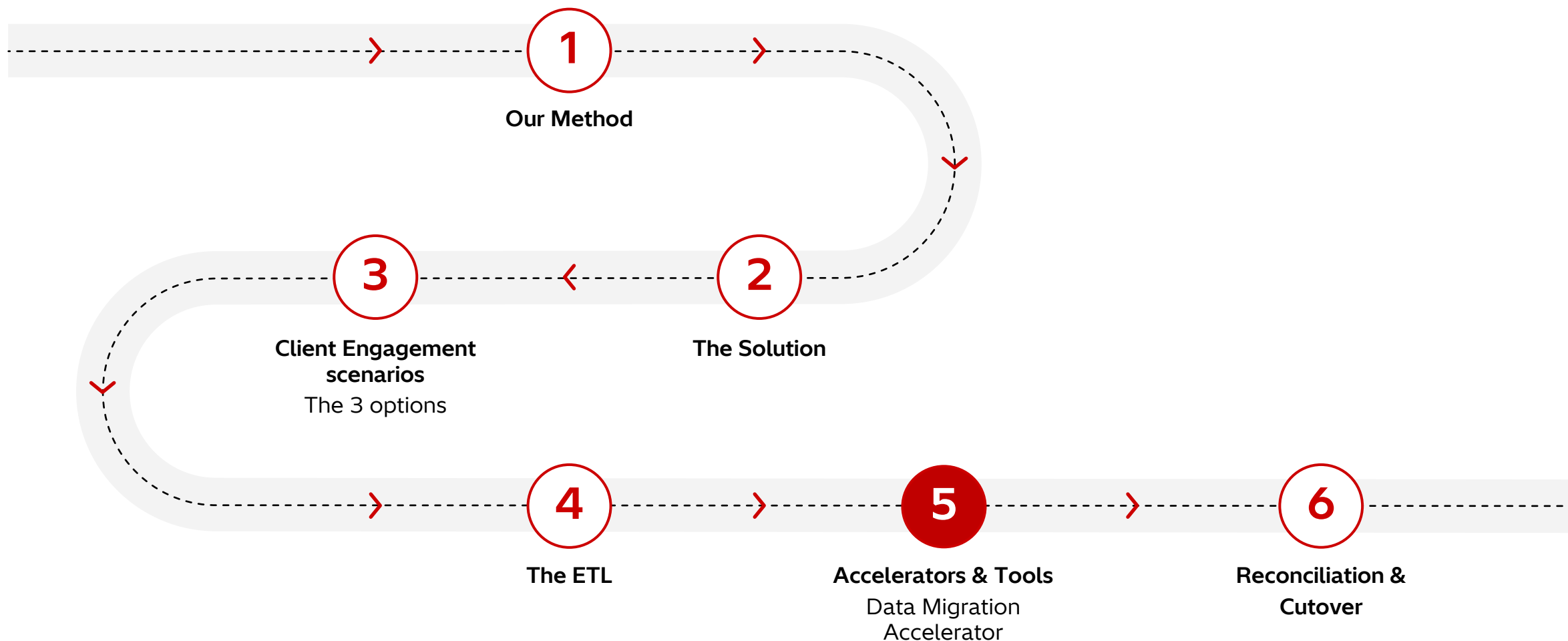
ETL Cycles - example



ETL Scope	ETL0	ETL1	ETL2	ETL3	ETL4	ETL5
Aim	Tech Run	All Master data, & subset of Transactional data.	All Master data and majority of Transactional data for all Legal entities. Loosely aligned with SAT.	Full cutover activities. Loosely aligned with UAT.	Dress Rehearsal	Go-Live
Legal Entity scope	One (consider one per legacy system)	Subset	All	All	All	All
Master Data	Sample (max 5 data entities)	All	All	All	All	All
Transactional Data	No	Subset	Majority	All	All	All
Data Quality / Reconciliation	No	Partial	Yes	Yes	Yes	Yes
Post Migration activities	No	Partial	Partial	Yes	Yes	Yes
Timing/Cutover	No	No	Partial	Yes	Yes	Yes

Data Migration Fundamentals

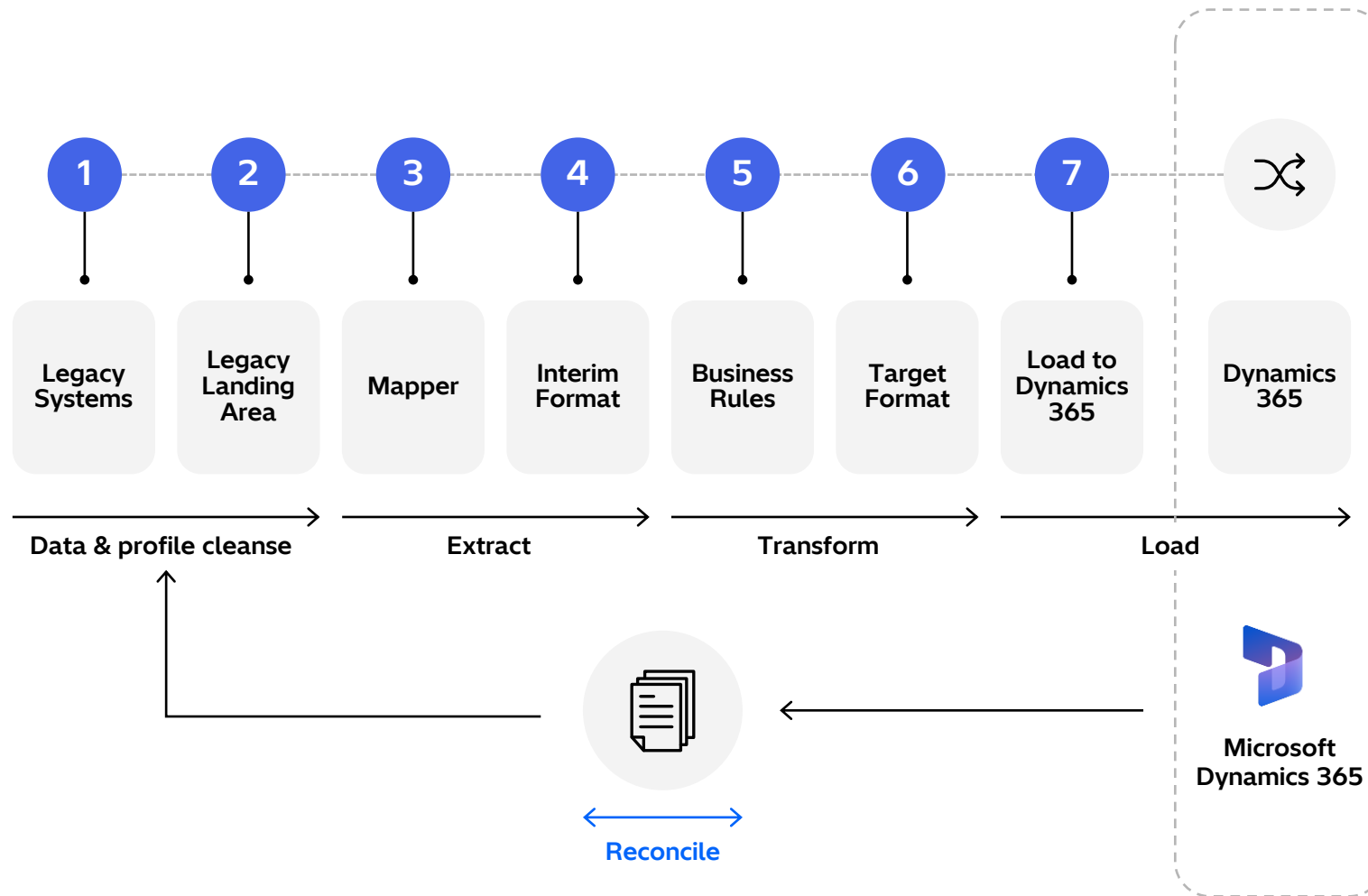
Data Migration



Data Migration Accelerator

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End-to-end approach and accelerator tool with flexible options for ownership of responsibilities at each stage



- Hitachi have an **accelerator tool** for data migration that allows you **to manage the complexities of migrating** your data through the Extract, Transform and Load (ETL) cycles
- The aim is to have a **predictable and repeatable process** in place for go-live to your new solution
- The approach is broken down into **7 steps** with options on the level of responsibility you would like to Hitachi to take

Data Migration Accelerator PowerApp

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We can provide a PowerApp to your team to run and control migration cycles.

Your users can maintain configuration and mappings, schedule loads, track progress, and review validation results, with Hitachi providing onboarding, governance and escalation support where required.

ETL Setup and Control

- ETL Setup & Execution
- Loading Scheduler
- Progress Dashboard
- Validation Results

Setup

- Parameter
- Number Sequences
- Dimensions
- Entity Configuration

Mapping

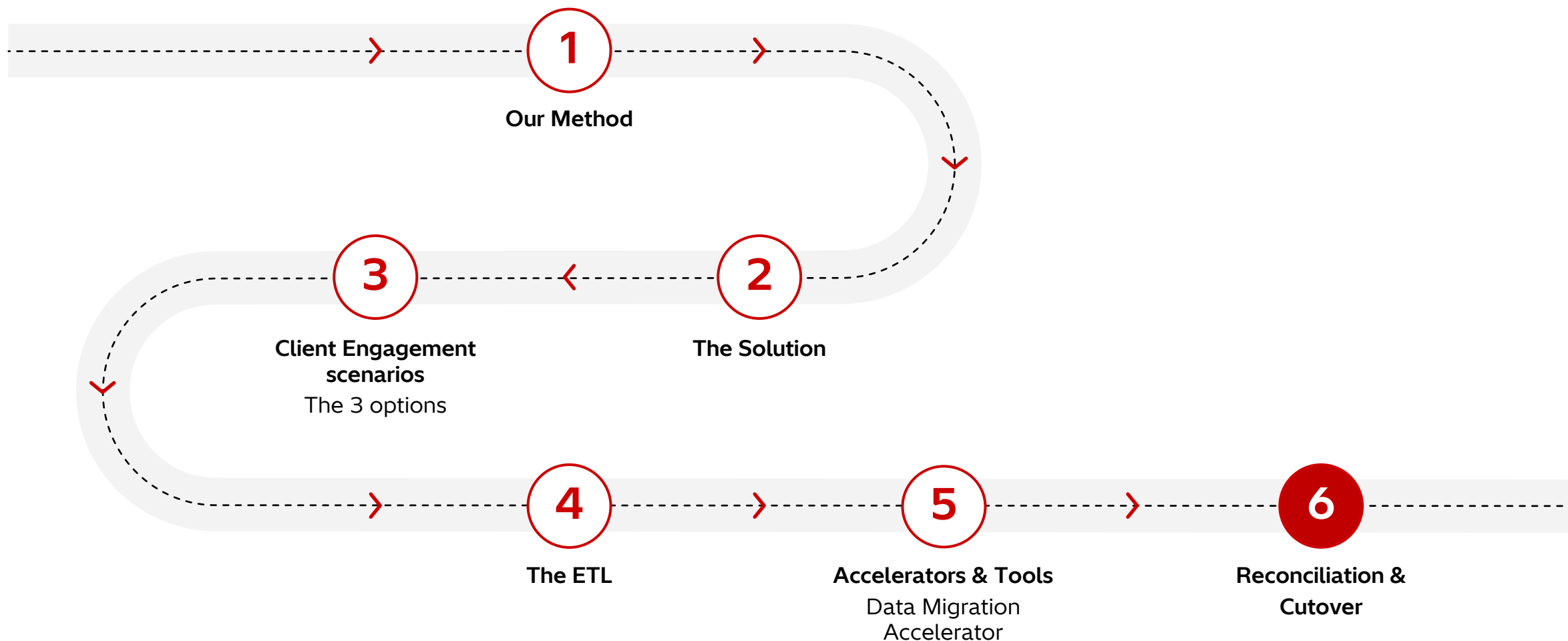
- Mapper Types
- Mapping (User Config)
- Mapping (Master)
- Schema Mapper
- Mapping (Option Sets)

Service Readiness

- Module List
- Entity List
- Templates Generator
- Legal Entities
- Client Run Sequence
- Systems

Data Migration Fundamentals

Data Migration



Reconciliation, Cutover & Go-Live!

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Reconciliation

- ✓ Reconciliation Strategy & Approach



Cutover

- ✓ Build confidence – within each ETL



Go-Live

- ✓ With the build-up of ETL, Reconciliation & Cutover planning



The Hitachi logo is displayed in a bold, white, sans-serif font in the upper right corner of the image. The background is a photograph of a grand, multi-story classical building with a curved facade, many windows, and a balcony with a decorative railing. A large Union Jack flag is flying from a pole on the right side of the building. The overall image has a muted, greyish tint.

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Hitachi Solutions Europe

UK Government Overview

Hitachi Solutions for the UK Government

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Our **vision** is to be government's partner of choice for the design and delivery of **sustainable, human-centred, Microsoft Solutions and digital services**.

Human-centred Services

Every service starts with people and how technology can make their day simpler.

+

Deep Microsoft Expertise

Hitachi Solutions is dedicated exclusively to the Microsoft ecosystem.

+

Emotionally Aware Delivery

Our former civil servants bring deep understanding and cultural alignment.

=

+

One Hitachi

Hitachi Solutions is part of Hitachi, Ltd., one of the world's largest and most respected organisations.

Sustainable government transformation.

Human-centric by default.

Powered by Microsoft.



Our Credentials

HITACHI

Microsoft



Microsoft global Government and Finance
Partner of the Year 2025

Microsoft Partner of the Year 2025 Finalists in
Build and Modernise AI Apps, Dynamics 365
Supply Chain, Dynamics 365 Sales and Customer
Insights, and Low Code Application Development

22 Years in **Microsoft's Inner Circle**
(including 2025)

Microsoft Solutions Partner across AI Business
Solutions, Cloud and AI Platforms and Security
with **18+ specialisations**

Industry



Keystone member of the **Government Digital
Sustainability Alliance**

Crown Commercial Service Supplier

Cyber Essentials Plus Certified

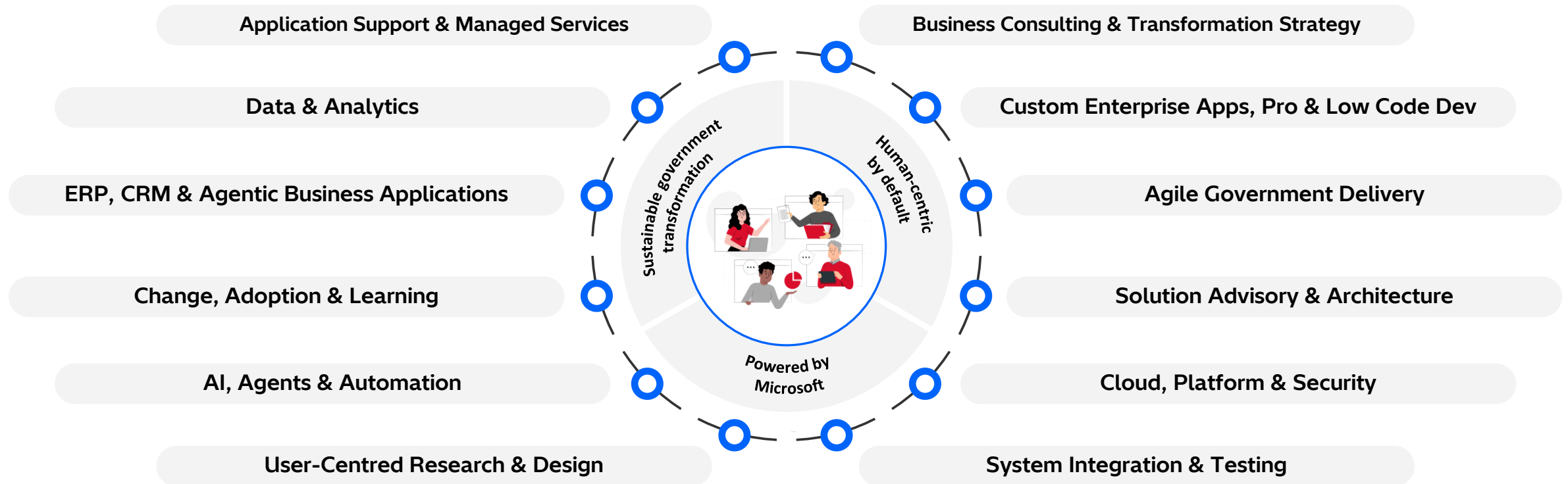
ISO-certified across Quality, Environment, Service,
Business Continuity, Information Security, and
Privacy Management

Recognised in the **Smarter Working Live Awards**
for our regulatory services Customer Experience
work with the Environment Agency

Our Services and Expertise

HITACHI

Sustainable business transformation through tailored advisory, consulting, and technology solutions.



Our Clients



"Hitachi Solutions brings substantial digital expertise to the table, complementing our robust business experience. Their insights have been instrumental in identifying opportunities for enhancement and accelerating our initiatives."

Gillian Pratt
Deputy Director Future Regulation
at Environment Agency



"Hitachi Solutions brought in a great project team who we kept for the full duration; they engaged with The Royal Mint side of things very effectively. It really felt like they were part of our own team."

Richard Hobbs
CIO The Royal Mint



"Hitachi Solutions bring the innovation, space and expertise needed to deliver digital transformation at a pace that is needed."

Andy MacDonald
Director of Customer Services,
Aberdeen City Council



"Hitachi Solutions were really good to work with, expertly turning our processes into slick system functionality. Their patience, understanding and "one team" approach to this project facilitated a free-flowing, inclusive environment. Hitachi Solutions' expert technical teams have delivered a great user experience, employing creative thinking to deliver to our often complex requirements."

Daniel Saward
OIA Head of Digital Technology



"DHSC collaborates closely with Hitachi Solutions LTS, emphasising the significance of our enduring partnership characterised by collaborative teamwork and mutual trust. Operating with a framework of high trust and capability, Hitachi Solutions ensures the delivery of quality and excellence to DHSC. Hitachi Solutions should be very proud of their track record in DHSC."

Bryan Rayner
Head of IT Business Systems



"Right from the start, we recognised in Hitachi Solutions a potential partner that would listen to us and really recognise the value of what we were trying to achieve, the lifesaving benefits of what we were trying to build and support."

Alex Duncan
Chief Technology Officer



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