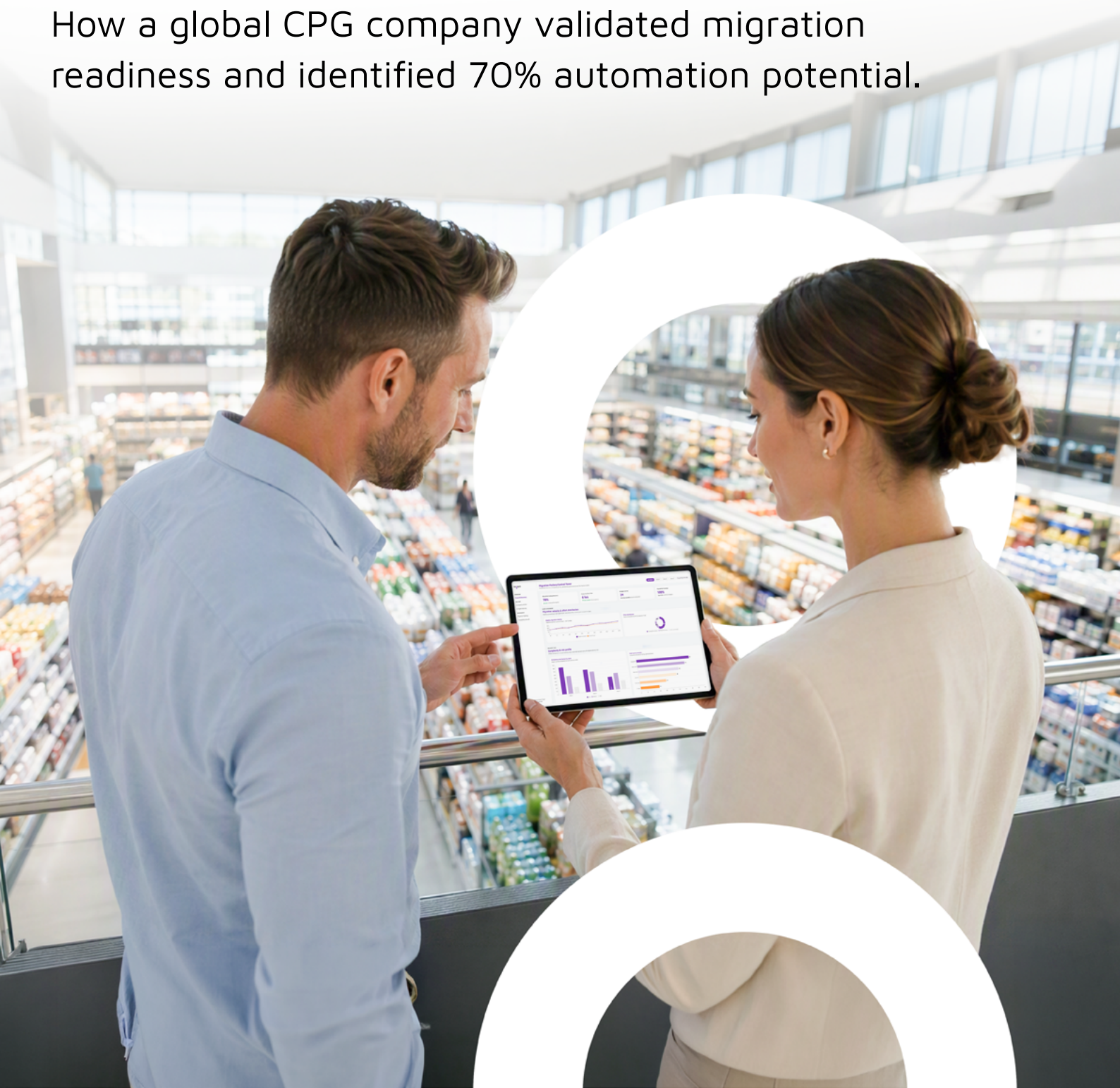


Case Study

Reduce Migration Risk Before Modernization Begins

How a global CPG company validated migration readiness and identified 70% automation potential.



The Client Profile

A global CPG company operating across multiple international markets was preparing for a large-scale SAP BW modernization initiative. Before committing to migration execution, the organization needed to understand migration complexity, validate its target data architecture, and identify opportunities to accelerate the journey using AI and automation. The company wanted a structured way to assess migration challenges, reduce delivery risk, and build confidence in its long-term modernization strategy.

Challenge

Before launching a broader modernization program, the company needed to validate both its target architecture and migration approach through a focused proof of concept.

Like many organizations running SAP BW, the company needed a clearer understanding of modernization complexity before committing to execution.

Years of accumulated business logic, custom data models, and tightly coupled dependencies made it difficult to estimate migration effort and potential risks.

The organization also needed to determine whether the target data architecture would provide a viable foundation for future analytics and AI use cases.

Before launching a broader transformation program, the company needed to answer several key questions:

- What is the true complexity of the migration?
- How much of the migration process can be automated?
- Can AI accelerate migration activities while maintaining quality?
- Is the target data architecture fit for purpose?
- What is the most efficient path forward for future modernization waves?

Rather than immediately executing a large-scale migration, the organization chose to begin with a proof of concept focused on migration readiness and approach validation.



Solution

Lingaro used Migration Factory, its AI-accelerated readiness framework, to understand migration scope, assess the viability of the target data architecture, and identify opportunities to accelerate delivery through AI and automation.

Rather than executing a full SAP BW migration, the proof of concept was designed to:

- Understand migration scope, dependencies, and effort
- Assess the viability of the target data architecture
- Evaluate AI-assisted delivery capabilities
- Quantify automation opportunities
- Define priorities for future transformation initiatives

How Migration Factory made modernization planning actionable

As part of the proof of concept, Lingaro used Migration Factory to assess migration readiness, validate the modernization approach, and identify opportunities for AI-driven acceleration.

By replacing fragmented manual analysis with an AI-supported framework for asset discovery, dependency mapping, documentation, and readiness assessment, the engagement created a repeatable foundation for future SAP BW modernization initiatives.

The proof of concept focused on four connected stages:

- 1. Discover:** Created visibility into legacy assets, dependencies, and migration complexity.
- 2. Document:** Converted fragmented SAP BW knowledge into structured migration intelligence.
- 3. Develop:** Demonstrated how AI-generated assets could accelerate future migration activities.
- 4. Validate:** Confirmed that business logic, governance requirements, and target architecture could be preserved during future modernization efforts.

The framework transformed undocumented legacy knowledge into reusable migration intelligence, giving the organization a clearer view of effort, architecture readiness, and the most effective path forward.

Discover



Document



Develop



Validate

Why the approach reduced risk:

Lingaro partners with clients to turn their data into insights that drive business impact.

We do it by uniquely combining business and technical **DOMAIN** knowledge, human-centered **DESIGN**, and industry-leading **ADOPTION** capabilities, all augmented by AI.

Design

Migration Factory reduced uncertainty before execution by combining AI-powered analysis with expert oversight.

- **Improved visibility:** Automated discovery identified migration scope, dependencies, and complexity.
- **Reduced effort:** AI-assisted analysis accelerated documentation and legacy system assessment.
- **Validated approach:** The proof of concept confirmed automation opportunities while maintaining quality through expert review.

Domain

SAP BW and data architecture expertise helped the organization assess complexity and validate its modernization strategy.

- **Business logic preserved:** Legacy rules, transformations, and dependencies were identified and documented.
- **Knowledge made reusable:** Technical metadata was converted into structured documentation for teams and AI tools.
- **Target architecture validated:** The proof of concept confirmed the viability of the target data architecture.

Adoption

The proof of concept established a foundation for future modernization initiatives.

- **More predictable planning:** Standardized assessment and documentation reduced migration risk.
- **Reusable migration intelligence:** Documentation, mappings, and analysis assets can support future migration waves.
- **Scalable framework:** A repeatable methodology provides a clear path for future migration, analytics, and AI initiatives.



Impact

Before committing to a broader modernization program, the organization needed confidence in its strategy. The proof of concept validated the proposed approach, quantified automation opportunities, and established a clearer path toward future SAP BW modernization initiatives.

Reduced modernization risk

Key outcomes:

- Migration scope defined in under two hours
- 100% automated metadata extraction and documentation generation
- Complete visibility into assets, dependencies, and migration complexity

Validated automation potential

The proof of concept identified significant opportunities to reduce manual effort while allowing specialists to focus on architecture, governance, and business-critical decisions.

70%

automation potential
in re-platforming activities

80%

less future re-coding effort
through metadata-driven
conversion approaches

AI-generated

first drafts reduced
foundational development
from days to hours

Established a foundation for future modernization

Key outcomes:

- Migration blueprint created for future planning and estimation
- Version-controlled documentation strengthened governance and knowledge retention
- Repeatable migration methodology validated for future SAP BW modernization initiatives
- Target data architecture successfully validated

The engagement established the governance, documentation, and migration intelligence needed to support future modernization initiatives with greater confidence, consistency, and predictability.

The result was a more predictable path to modernization, supported by validated architecture decisions, quantified automation opportunities, and a scalable framework for future migration waves.



"Migration Factory was designed to remove uncertainty before modernization begins. Working closely with the client's teams throughout this proof of concept, we provided clear visibility into migration scope, dependencies, and architecture readiness. Combining AI-powered analysis with deep SAP BW expertise, we converted fragmented legacy knowledge into actionable migration insights, validated the target architecture, and identified ways to accelerate future migration efforts through automation without compromising quality or control."

Michał Dorociński

Account CTO, Lingaro

From Data Ready to Future Ready

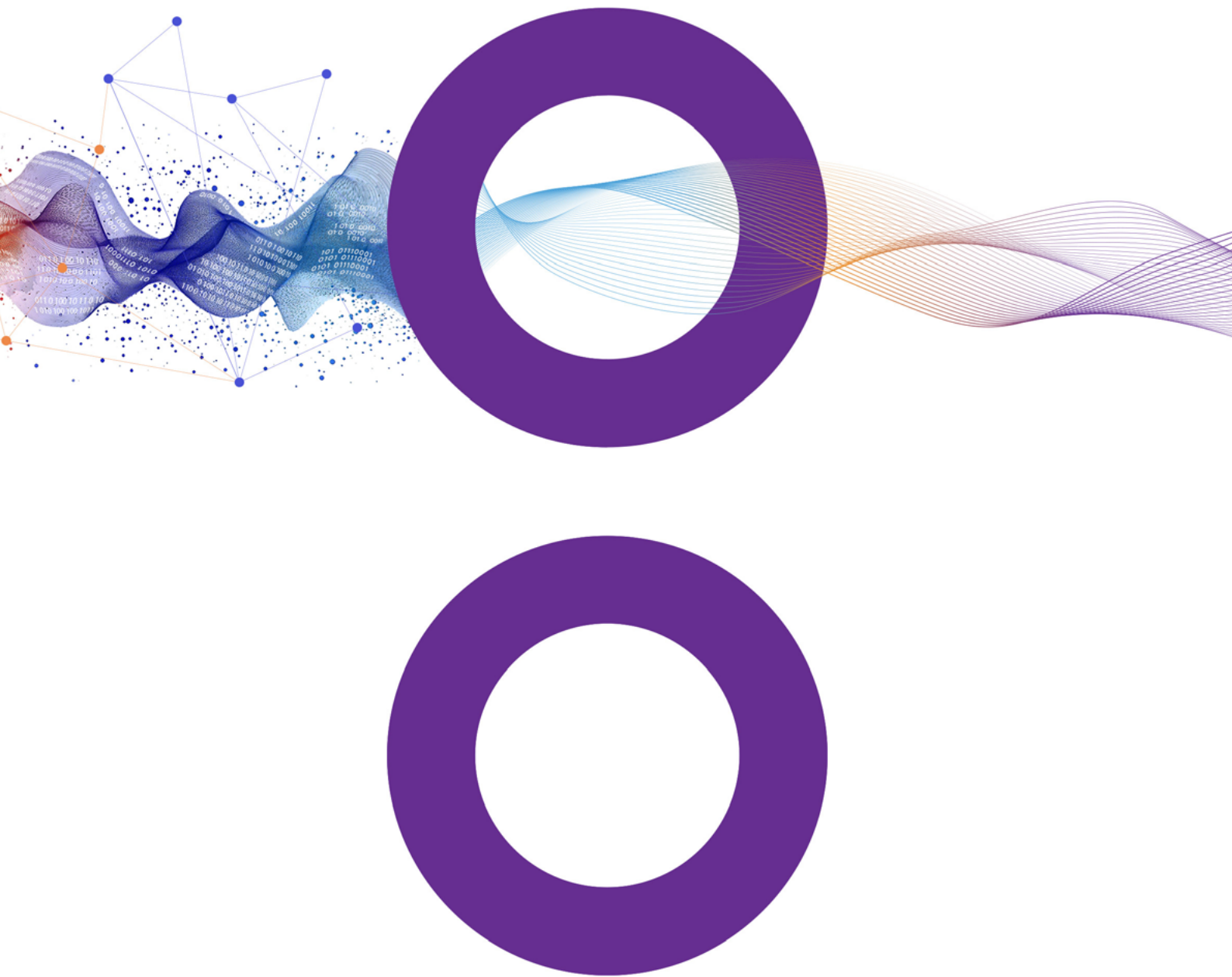
The future of the enterprise is hybrid, with humans and agents working side by side. To succeed, organizations need more than AI tools. They need trusted data, business context, and a clear path from insight to action.

Lingaro brings these elements together through an end-to-end approach spanning data modernization, contextual AI, intelligent decision-making, and adoption. We help you turn fragmented data into measurable business value, so your organization becomes **Data Ready. Agent Ready. Future Ready.**

Build the data foundation your AI ambitions require

See how Lingaro's Migration Factory can help you understand migration complexity, reduce delivery risk, and modernize with greater speed and control.

[Talk to our experts](#)



Achieve More With Data & AI