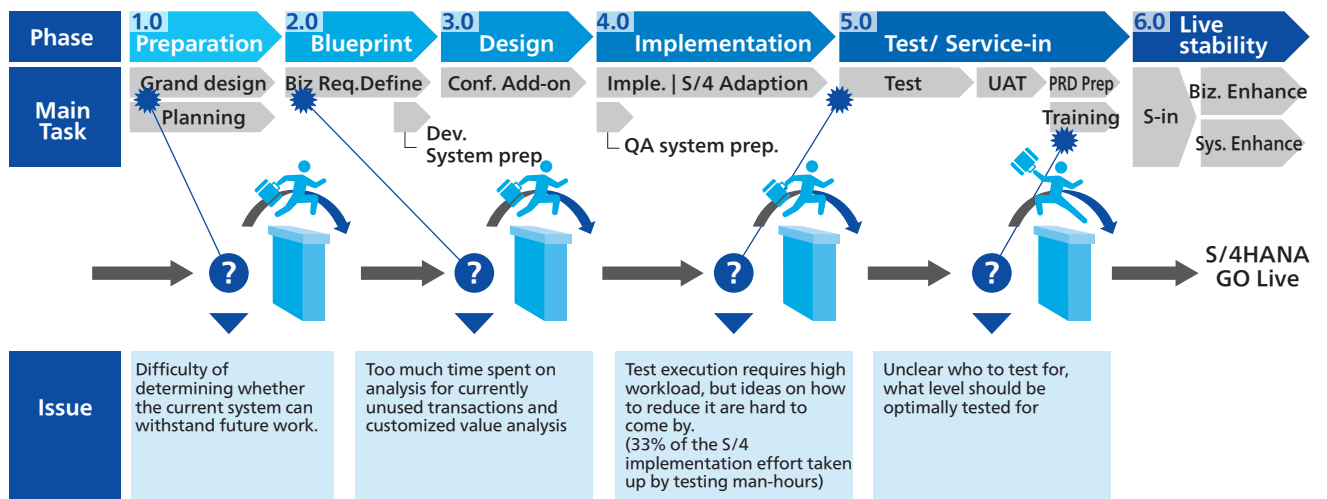# Data-driven Process Optimization for SAP S/4HANA® Migration

Enabling data-driven decision-making to support your migration efficiently from preparation to transition, analysis, problem extraction and solution proposal.

Data-driven Process Optimization for SAP S/4HANA® migration solution utilizes Celonis Process Mining Technology. We support SAP S/4HANA migration from ECC by providing comprehensive service based on visualized actual data.

Process issues in SAP S/4HANA® Migration

Each process in S/4HANA migration, presents several obstacles (tasks). In order to overcome those obstacles, it is necessary to carry out quick and accurate current situation analysis, applying resources at the ideal points and executing tests efficiently with respect to the quality level while working within limited time and resources.

Phase	1.0 Preparation	2.0 Blueprint	3.0 Design	4.0 Implementation	5.0 Test/ Service-in	6.0 Live stability
Main Task	Grand design / Planning	Biz Req.Define / Dev. System prep.	Conf. Add-on	Imple. | S/4 Adaption / QA system prep.	Test / UAT / PRD Prep / Training / S-in	Biz. Enhance / Sys. Enhance

S/4HANA GO Live

Issue	Difficulty of determining whether the current system can withstand future work.	Too much time spent on analysis for currently unused transactions and customized value analysis	Test execution requires high workload, but ideas on how to reduce it are hard to come by. (33% of the S/4 implementation effort taken up by testing man-hours)	Unclear who to test for, what level should be optimally tested for

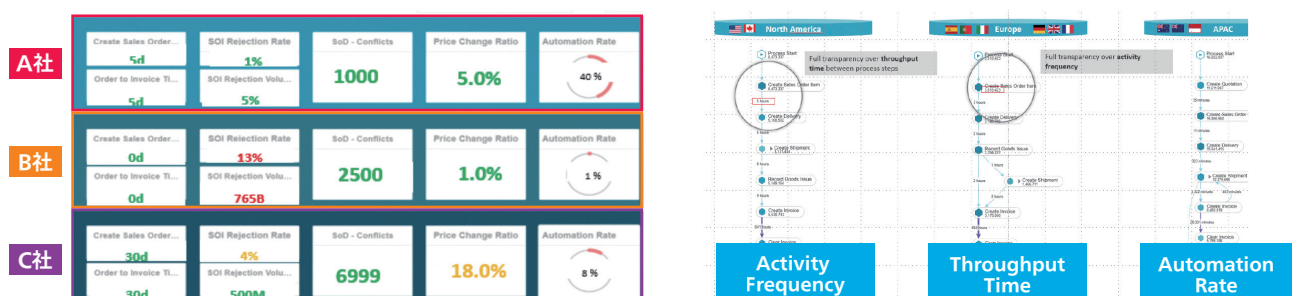## Data-driven Process Optimization Solution Use Cases

Our solution enables your S/4HANA migration to resolve issues that occur in each process.

1.0 Preparation

Preparation phase use case: business process analysis for each company

Visualization of business processes using KPI values helps you understand process differences between each organization, and determine the potential for process integration through data-driven understanding. Based on visualized actual data, you can discover process inefficiencies and focus on migration plans.
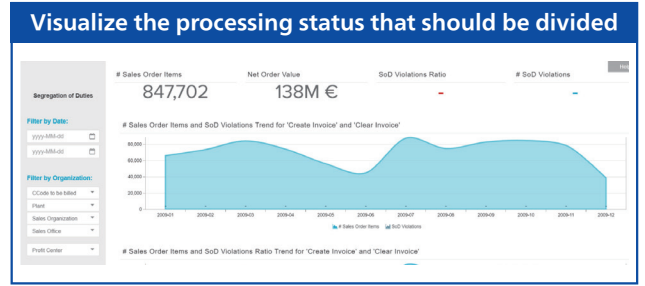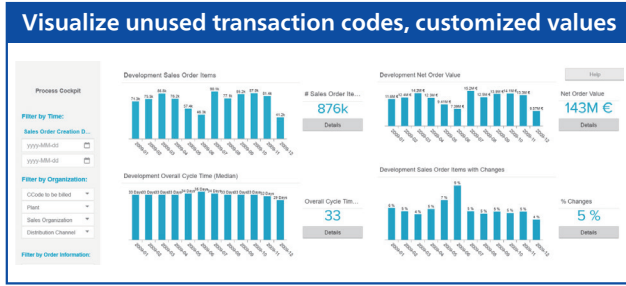
Comparison of KPI ratios and Business processes at several companies

Blueprint phase use case: unnecessary transactions and internal control analysis

Visualize unused transaction codes, customized values such as document types, etc., and organize the necessary items based on the facts in the new system. In addition, by analyzing the usage results for each user, it is possible to identify the key users in requirements definition and education.

Visualize unused transaction codes, customized values

Visualize the processing status that should be divided

Test and operation preparation phase use case: test scenario creation and implementation automation (digital testing)
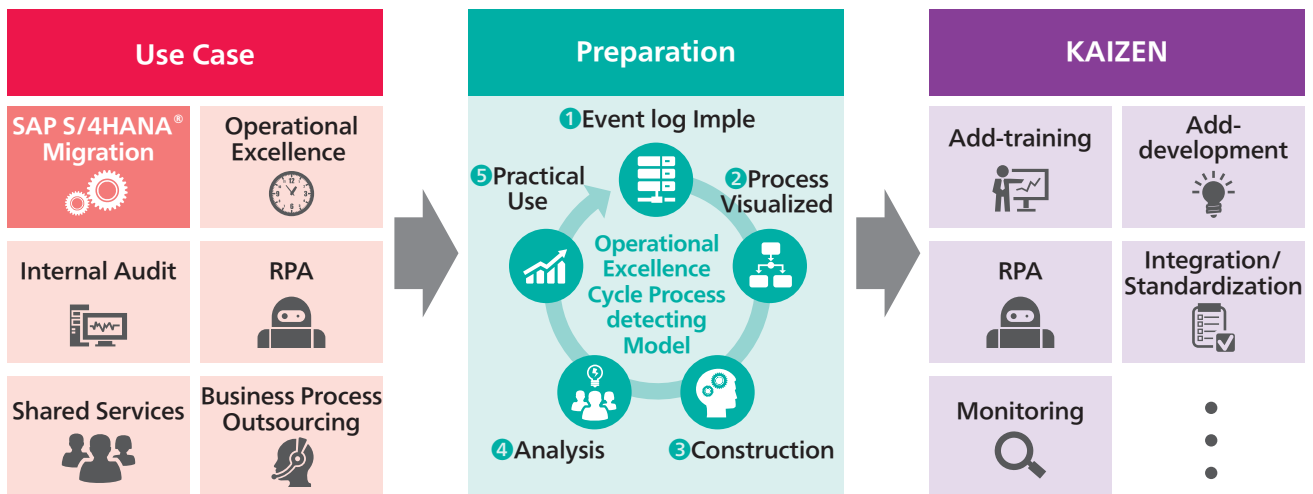
Digital testing significantly reduces the test workload that is based on identifying test patterns based on visualized actual data by selecting the necessary scenarios, providing test data based on actual data to RPA and performing it automatically.

Create a scenario from business process data and execute tests automatically

SAP R/3 (ECC)

Master Change History

RPA

S/4HANA®

Data-driven Process Optimization for SAP S/4HANA Migration

ABeam Consulting supports your business in optimizing processes and improving continuously in areas such as operational excellence and SAP S/4HANA® migration, leveraging the knowledge cultivated through experience with standardization and efficiency improvement of business processes.

Use Case	Preparation	KAIZEN
SAP S/4HANA® Migration / Operational Excellence / Internal Audit / RPA / Shared Services / Business Process Outsourcing	❶ Event log Imple / ❺ Practical Use / ❷ Process Visualized / Operational Excellence Cycle Process detecting Model / ❹ Analysis / ❸ Construction	Add-training / Add-development / RPA / Integration/ Standardization / Monitoring

Implementation

1 month as the shortest available timeframe from process requirements definition to analysis registration

Approximate cost

JPY 6,000,000- (56,000 USD) minimum
Approximately 3 months to delivery
(one month for implementation + two months for analysis)

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