

# SAP S/4HANA GO LIVE with System Conversion

Experiences, benefits and lessons learned from two customer cases in retail and manufacturing

2021 April 20

TietoEVRY 2021

**SAP**<sup>®</sup> Qualified  
Partner-Packaged Solution

# Why S/4HANA ?

## Business Discovery

Business stakeholder engagement and vision creation.

### INPUT

- New capabilities to support strategy
- Need for Digitalization of value streams
- As-IS vs TO BE business processes
- As-IS SAP Solution Capability Analysis

### BUSINESS DISCOVERY

*Objective is to identify with customer **business and IT stakeholders**, the business impact, targets and future innovations and opportunities.*

#### Business Streams by process area:

- ✓ Finance
- ✓ Sourcing & Procurement
- ✓ Sales and Services
- ✓ Supply Chain Management
- ✓ Manufacturing

#### Cross Functional Streams:

- ✓ Master Data, UC, Mobility
- ✓ Analytics & Reporting

### OUTPUT

- Identification of future architecture capability requirements
- Identification of business and process areas where synergies and harmonization is needed
- Identification of innovation needs either out-side of ERP or with new SAP capabilities



### The Intelligent ERP Difference

- Hands-free UX, digital assistance and instant insights deliver value-adding experiences
- Machine learning, AI and predictive analytics for increased automation and efficiency
- Reinvent and redefine processes with applied best practices built on the latest innovations

## SAP S/4HANA benefits to business:

- Reinvent business models to drive new revenues and profits
- Embedded real time reports supporting instant decision making
- More automated processes with less manual work
- From internal transactions to interactions with digital connection with customers and partners
- Modern user interface for PC, tablets or mobile use
- Readiness to collaborate with Internet of Things and AI
- Simplify your processes, drive them in real-time and adapt instantly

## SAP S/4HANA benefits to ICT:

- SAP S/4HANA will simplify your IT landscape and reduce **cost** of ownership (TCO)
- A scalable platform to grow your business

# SAP S/4HANA GO LIVE with brownfield system conversion: benefits and main activities



**Less Risk** with low business downtime conversion and easy adoption for business users.



**Reuse of existing investments** on processes and solutions ie. existing enterprise structures, business processes and custom developments.



Leverage existing investments by **adopting the new S/4HANA innovations and functionalities**. For e.g., operational reporting is easier with delivered embedded analytics and virtual data models



**Refine business performance.** The high speed of transaction processing and reporting capabilities of S/4HANA helps a lot in this regard.



**Future proof IT-investment.** Smaller, leaner, simpler system that supports growth and future innovations

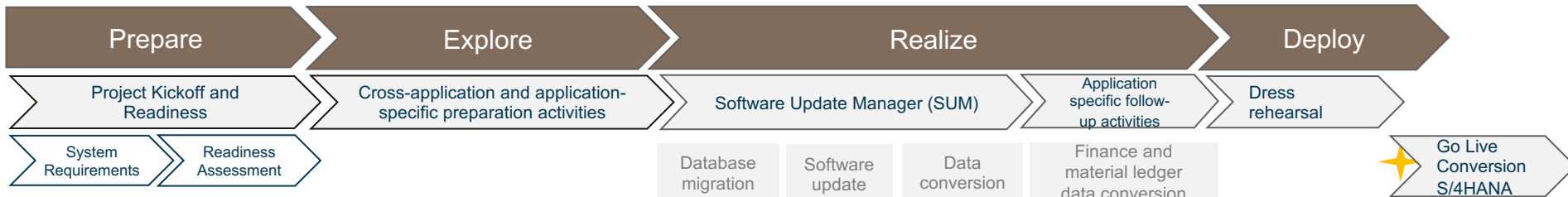
Main activities of the phase	Agile project methodology	SAP Activate
<ul style="list-style-type: none"> <li>Team mobilization and connecting the teams</li> <li>Familiarizing with project tools and procedures</li> <li>Execution of the initial planning and preparation activities to start the project</li> </ul>	Mobilization	Preparation
<ul style="list-style-type: none"> <li>As is system study along with customer code, delta configuration, CVI and other S/4 specific functionality.</li> <li>Assessing data volumes for migration</li> <li>Assessing the current as is technical integration setup</li> <li>Assessing the Change Management (OCM) impact (Change Impact Analysis)</li> </ul>	Assessment	Preparation
<ul style="list-style-type: none"> <li>Write and accept Solution Documentation</li> <li>Write and accept specifications for deviations from standards</li> <li>Reviews the solution scenarios within the project scope to verify that business requirements can be met within the boundaries of the solution and project scope.</li> <li>During this process, configuration values are identified for use in the Build &amp; Unit Test phase</li> </ul>	Fit Gap & Design	Explore
<ul style="list-style-type: none"> <li>Build deviations from standards</li> <li>Test solution</li> <li>Configuration, integration and testing of the business scenarios and process requirements</li> </ul>	Build & Unit Test	Realize – Build
<ul style="list-style-type: none"> <li>Integration test I incl. point-to-point integrations</li> <li>Integration test II incl. End-to-end process flows and entire business scenarios</li> <li>Non-functional testing: Security Performance provided by Quality Assurance (QA) vendor</li> </ul>	Integration Test	Realize - Test
<ul style="list-style-type: none"> <li>Cutover planning</li> <li>Data migration</li> <li>Go-no-Go &amp; Go-Live</li> <li>Hypercare planning</li> </ul>	Cut Over Planning and Go-live	Deploy
<ul style="list-style-type: none"> <li>System stabilization support</li> </ul>	Hyper Care	Deploy

# How to Deliver S/4HANA Brownfield Project

Small 6-8 months

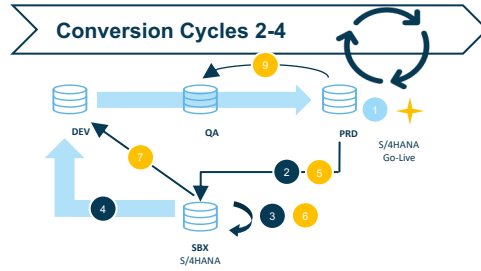
Medium 8-12 months

Large 12-16 months



- Team mobilization
- As is system study along with customer code, delta configuration, CVI and other S/4 specific functionality.
- Assessing data volumes for migration
- Assessing the current as is technical integration setup
- Assessing the Change Management (OCM) impact (Change Impact Analysis)

- Preparations for conversion: Check and plan
- Checking source system concerning add-ons, business functions
- Planning for conversion provides software archives & stack.xml
- Backend and frontend server (FIORI) are considered
- Un-installation of add-ons can be planned; 3rd party add-ons to be checked in time!



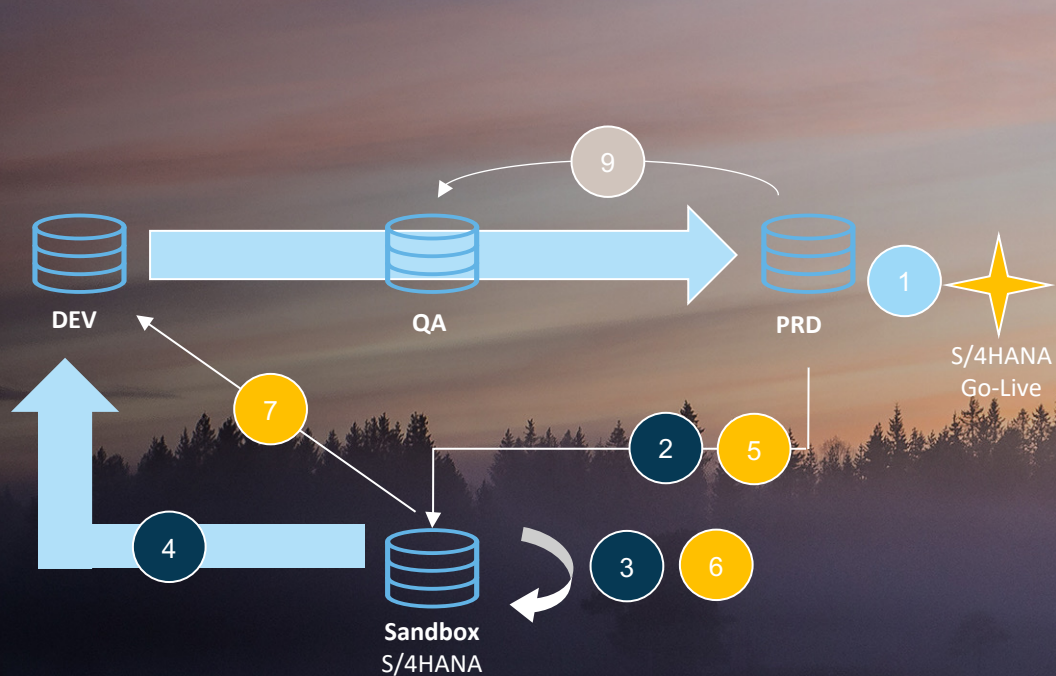
- Conversion cycle round 1 for technical testing
- Conversion cycle round 2 for functional testing
- Conversion cycle round 3 for system integration testing
- Conversion cycle round 4 for quality assurance testing

- Cutover planning
- Dress Rehearsal
- Go / no-Go
- Go-live
- Data migration
- Hypercare planning
- Hypercare: System stabilization support

Unicode conversion	Roadmap Viewer	Maintenance Planner
Readiness Check	ATC Check	Simplification Item Checks
Business Scenario Recommendations (BSR)	Custom code preparation	
TietoEVRY accelerators		

# System Conversion for SAP S/4HANA

## System Landscape View



- 1 Planning, analysis
- 2 System Copy to Sandbox (iterative x n)
- 3 Sandbox Conversion S/4HANA, Testing (iterative x n)
- 4 Correction of data inconsistencies , Check: errors & warnings (iterative x n)
- 5 System Copy (for Dress Rehearsal)
- 6 Dress Rehearsal Conversion S/4HANA, Smoke Test
- 7 System copy for new S/4HANA Dev
- ★ Go Live Conversion S/4HANA
- 9 System copy for new S/4HANA QA

# SAP S/4HANA Brownfield Conversion

Packaged options

**Small**

~150-300 person days

**Medium**

~400-600 person days

**Large**

~700-1000 person days

<b>Implementation approach</b>	<ul style="list-style-type: none"> <li>Big bang or stepped-up</li> <li>Number of conversion cycles: 2 and Go Live</li> </ul>	<ul style="list-style-type: none"> <li>Big bang or stepped-up</li> <li>Number of conversion cycles: 3 and Go Live</li> </ul>	<ul style="list-style-type: none"> <li>Big bang or stepped-up</li> <li>Number of conversion cycles: 4 and Go live</li> </ul>
<b>Duration</b>	<ul style="list-style-type: none"> <li>6-8 months, followed by run phase: 1 months</li> </ul>	<ul style="list-style-type: none"> <li>8-12 months, followed by run phase: 2 months</li> </ul>	<ul style="list-style-type: none"> <li>12- months, followed by run phase: 3 months</li> </ul>
<b>Organizational scope</b>	<ul style="list-style-type: none"> <li>Number of company codes: &lt;5</li> <li>Number of productive plants: &lt;5</li> </ul>	<ul style="list-style-type: none"> <li>Number of company codes: 5 to 15</li> <li>Number of productive plants: 5 to 20</li> </ul>	<ul style="list-style-type: none"> <li>Number of company codes: 15 to 30</li> <li>Number of productive plants: 20 to 40</li> </ul>
<b>Functional scope</b>	<ul style="list-style-type: none"> <li>Finance (incl. fin migration and asset accounting)</li> <li>Customer vendor integration</li> <li>Sales &amp; Inventory management</li> <li>Sourcing and procurement</li> </ul>	<ul style="list-style-type: none"> <li>Finance (incl. fin migration and asset accounting)</li> <li>Customer vendor integration</li> <li>Sales</li> <li>Inventory management</li> <li>Warehouse management</li> <li>Sourcing and procurement</li> <li>Logistics execution</li> <li>Production</li> <li>Plant maintenance</li> </ul>	<ul style="list-style-type: none"> <li>Finance (incl. fin migration and asset accounting)</li> <li>Customer vendor integration</li> <li>Sales</li> <li>Inventory management</li> <li>Warehouse management</li> <li>Sourcing and procurement</li> <li>Logistics execution</li> <li>Production</li> <li>Plant maintenance</li> <li>Customer Service</li> </ul>
<b>Technical scope</b>	<ul style="list-style-type: none"> <li>DB size: &lt;1 TB</li> <li>Data volume : Small</li> </ul>	<ul style="list-style-type: none"> <li>DB size: 1 TB to 3 TB</li> <li>Data volume: Medium</li> </ul>	<ul style="list-style-type: none"> <li>DB size: 1 TB to 6 TB</li> <li>Data volume: Large</li> </ul>
<b>SAP Fiori</b>	<ul style="list-style-type: none"> <li>Number of standard SAP Fiori apps: 30</li> </ul>	<ul style="list-style-type: none"> <li>Number of standard SAP Fiori apps: 50</li> <li>Number of custom SAP Fiori launchpad catalogs: 5</li> </ul>	<ul style="list-style-type: none"> <li>Number of standard SAP Fiori apps: 150</li> <li>Number of custom SAP Fiori launchpad catalogs: 15</li> </ul>
<b>Custom code</b>	<ul style="list-style-type: none"> <li>Mandatory custom code corrections : 500</li> <li>Number of interfaces: ~30</li> </ul>	<ul style="list-style-type: none"> <li>Mandatory custom code corrections : 2000</li> <li>Number of interfaces: ~50</li> </ul>	<ul style="list-style-type: none"> <li>Mandatory custom code corrections : 5000</li> <li>Number of interfaces: ~ 100</li> </ul>

# Implementation and rock-solid go-live of S/4HANA Finance for large Retailer

Success case



TietoEVERY implemented and lead the big bang go-live of ~200 company code corporation very successfully without disturbance to customer businesses. Customer's system landscape is complex and volumes are huge. New S/4HANA system is widely integrated to numerous systems with excellent performance. TietoEVERY's delivery also included TietoEVERY SAP TDL for HANA private cloud services.

## Customer business opportunity:

- Support for growing business volume and granularity of data
- Modern technology base for future
- Standardized and harmonized processes
- Scalable IT solution for reduced costs of ownership

## How TietoEVERY helped:

- Careful quality focused implementation
- Successful data-migration with current transactions and multi-dimensional historical balances
- Tieto focused to business continuity through extremely successful go-live
- Great teamwork with customer and integration parties
- Tieto built a standardized, harmonized IT solution with end-to-end focus

## What customer achieved:

- Solution was live as planned without disturbance to business use
- Excellent performance for efficient use
- Best practice processes based on the latest technology
- Stable, Scalable solution and platform services ready for business use

**Key to business continuity:**  
detailed planning,  
careful execution and  
dedicated resources!

## About customer:

Customer is a multi billion euro retail, hotel, restaurants group with operations in several countries Europe



# Brownfield Implementation and go-live of S/4HANA for a Manufacturing Company

TietoEVERY implemented a S/4HANA Brownfield conversion for a manufacturing company with which had a following solution scope: Finance, Controlling, Material Management, Sales & Distribution, Logistic Execution, Warehousing and Production. Duration of the project was as follows: started in February of 2020 and the Go-live was in November 2020. Plan for Covid-19 restrictions was critical for success especially during the go-live weekend.

Success case



## Customer business opportunity:

- Support for growing business volume and granularity of data
- Modern technology base for future

## How TietoEVERY helped:

- SAP Brownfield conversion from SAP ECC 6.0 EhP7 system (on HANA DB) to S/4HANA release 1909.
- System performance (hardware) optimization to shorten the downtime during the go-live weekend

## What customer achieved:

- Early start of Business Partner concept together with a clean-up phase (Analysis was supported by a tool from TietoEVERY which saved time on business side)

## Key to business continuity:

- Proper planning of parallel projects and their dependencies to the S/4HANA conversion
- Extensive Cut-over plan with all steps scheduled and tested in the dress-rehearsal

## About customer:

Customer is a family-owned, diversified, international group successfully specializing in fiber ropes, steel wire ropes and strapping. Innovation, steady growth, and geographic expansion are firmly defined goals in the group strategy. One central SAP System for their whole business worldwide (Europe, US, Asia).





# Lessons Learned

TietoEVERY key learnings from Brownfield approach projects

## Start pragmatic **conversion testing** with agile test cycles

- ✓ Do not over do assessments
- ✓ Start conversion test rounds for the reality check
- ✓ Agile conversion cycles for concrete results

## Management of **data** and **inconsistencies**

- ✓ Early start of Business Partner concept work and data cleansing activities
- ✓ Keep productive ECC environment up to date with S/4HANA dev system set-up

## **Business involvement** and management of expectations

- ✓ Involve business users to the testing of processes and reporting
- ✓ Start S/4HANA new functionality design in parallel for quick value add for business

# Strong presence in the Nordics – leveraging global capabilities



Global TietoEVERY SAP investment program into S/4HANA based competences

- Focusing to serve Nordic-based companies
- Full scale services from advisory to implement and run
- End-to-end demo capability covering e.g. S/4HANA 1909, IBP and SAP Analytics cloud
- TietoEVERY-wide investment program into S/4HANA certifications, industry accelerators and global delivery methodologies



part of TietoEVERY

**+1 000**

SAP consultants worldwide

**+350**

SAP consultants nearshore

**+350**

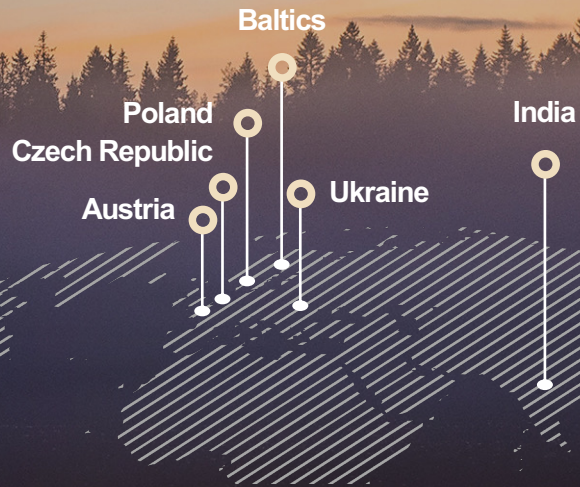
SAP consultants offshore

**+200**

S/4HANA certified consultants

**+250**

Consultants with S/4HANA hands-on experience



**SAP**<sup>®</sup> Qualified  
Partner-Packaged Solution

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