A prominent medical solution provider seamlessly migrated to S/4HANA with YASH support services

At a Glance

Profile

- A global medical solution provider

Business need

- The client wanted to be at the forefront of technological upgrades and derive the technical benefits of the latest version of SAP solutions.
- Wanted to migrate from SAP ECC 6.0 to SAP S/4HANA 1809.
- The existing SAP migration service provider was not competent to perform a complete upgrade of the SAP ECC 6.0 system to SAP S/4HANA.
- Take ownership from the incumbent vendor for the 1545 customized object fixes and provide go-live support.
- Deliver the existing project within the predefined timelines and cost.

Solution

- YASH consultants understood the client's needs and migrated the customized objects from ECC 6.0 to S/4HANA 1809 as a part of the system upgrade.
- The consultants conducted the migration process as follows:
  - Utilized the ABAP Test Cockpit (ATC) tool to discover all the customized objects in the preparation phase.
  - Worked in tandem with the client to check the unused objects (codes) and excluded them from the upgrade.
  - Checked for duplicated codes and disregarded them.
  - Identified 1545 customized object fixes that had to be adapted to S/4HANA.
    - 622 customized object fixes were adapted using readily available SAP release notes.
    - 923 object fixes had no SAP release notes and were self-evaluated by YASH for adaptation to S/4HANA.
  - Ensured that the codes did not break and were S/4HANA ready.
  - Performed a final check, using the ABAP Test Cockpit' (ATC) tool, and ensured all customized objects had been fixed.
  - Deployed all the custom codes successfully in the S/4HANA environment.

Benefits

- Successfully migrated the ECC 6.0 to S/4HANA 1809.
- The client had access to a rare skill set that YASH readily provided.
- The project was executed within budget and timeline due to the hybrid engagement model.
- Successfully migrated 1545 customized object fixes and provided go-live support with no escalations.
- YASH project management layer had allowed the client to closely track and monitor the progress of the code adaptation process and sync them with their other migration activities.

About the client

The client is a prominent bio-medical equipment manufacturer offering cost-effective solutions for bone healing, bone graft, and osteoarthritis. They are privately held and headquartered in the United States and Europe with revenue of over 400 million dollars.

Revenue:
$400+ Million

Headquarters:
USA

Industry:
Manufacturing

Business Background and Needs

The client had implemented SAP ECC 6.0 EHP 7 system to support their business operations. Theywanted to improve their system efficiency and user experience and be at the forefront of technological changes. They were focused on delivering the best medical products to their customers and reap the technology benefits of the latest version of SAP. As a part of this transformation drive, the client preferred to upgrade their existing SAP ECC 6.0 system to SAP S/4HANA 1809.

The client deployed a leading SAP service provider to help them in their migration journey. The service provider studied the needs of the client and prepared an execution plan to –

- *Update the ERP software*
- *Migrate the database*
- *Perform data conversion*

As a part of the ERP software update, the service provider identified 1545 'Custom Developed Object fixes' in SAP ECC 6.0 solution that were to be adapted to the S/4HANA landscape. Since the SAP S/4HANA code was simplified and in some cases, changed in a non-compatible way, the 'customized objects' of ECC 6.0 had to be adapted to the S/4HANA solution to ensure the solution functionality remained the same both before and after migration.

The incumbent service provider had performed various phases of migration but faced hiccups while migrating the 1545 customized object fixes to the S/4HANA environment. The vendor was not equipped with critical knowledge to perform the custom object migration as many 'Databus' components were changed.

This activity required a rare skill set and a higher level of skill. Also, the client was not satisfied with the quality of deliverables provided by the vendor. With Go-Live date at hand and limited budgets to complete the migration, the client was walking a tight rope walk. Their migration was in limbo and required a partner who could assist them in the custom code migration and provide 'Go-Live' support.
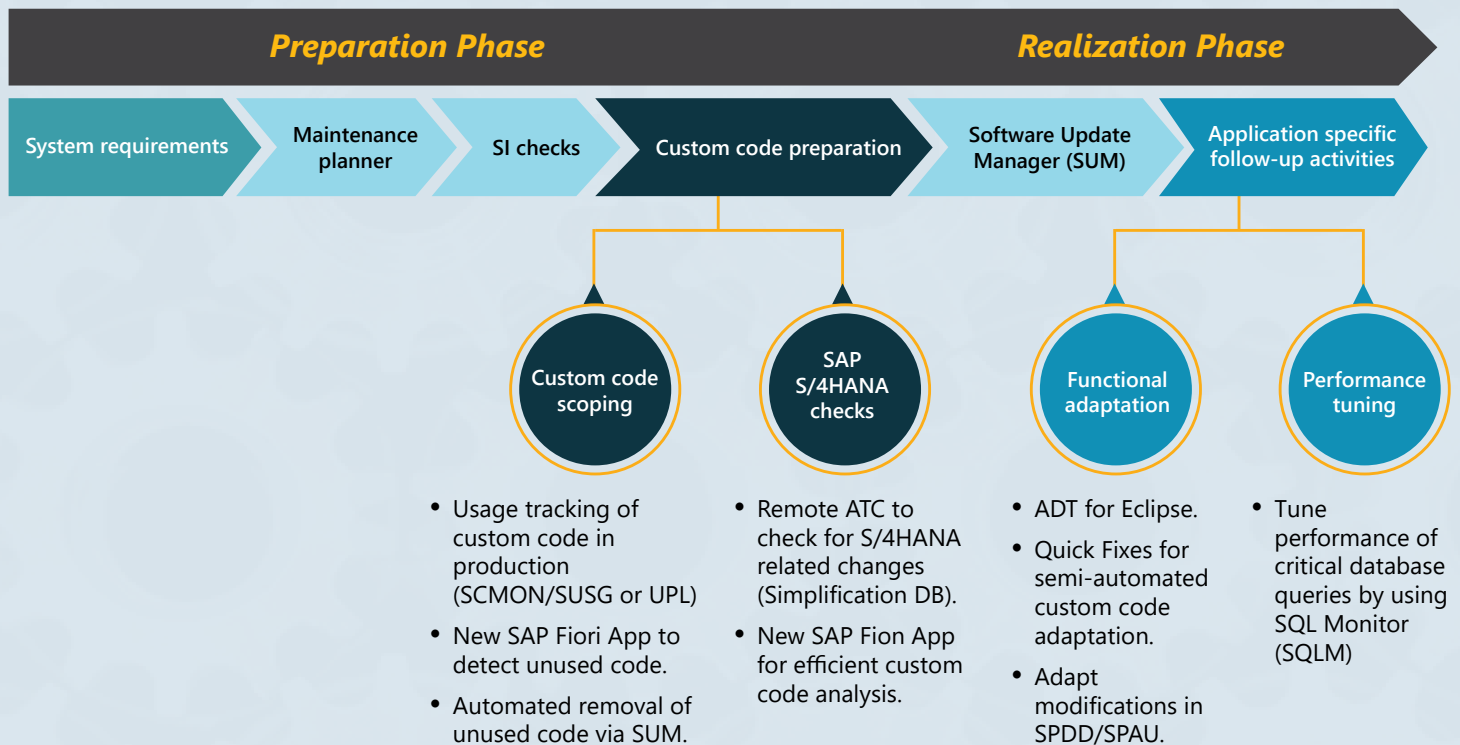
Business Needs Synopsis

- The client wanted to be at the forefront of technological upgrades and derive the technical benefits of the latest version of SAP solutions.

- Required support to migrate existing customized objects from SAP ECC 6.0 to SAP S/4HANA

- Take ownership from the incumbent vendor for the 1545 customized object fixes and provide golive support

- Deliver the existing project within the predefined timelines and cost

YASH Solution

YASH understood the client's predicament and their business requirements. The consultants studied the existing solution provided by the 3rd party vendor and comprehended the client's needs. The core focus was to identify the 'custom objects' and adapt them to seamlessly blend into the SAP S/4HANA 1809 solution. This required a level of technical expertise, and YASH management had placed the right consultants at the right place to execute this project. The leadership provided the project management layer under the ambit of the YASH Project Management Office (PMO). The client had no experience in offshore delivery and had its reservations. However, YASH management provided the appropriate confidence to the client by constituting a team with the right balance and executed this project in an onsite-offshore delivery model.

YASH established a war room to brainstorm on the various approaches to be taken for the code migration. The team utilized the ABAP Test Cockpit (ATC) tool to identify all the custom code objects.
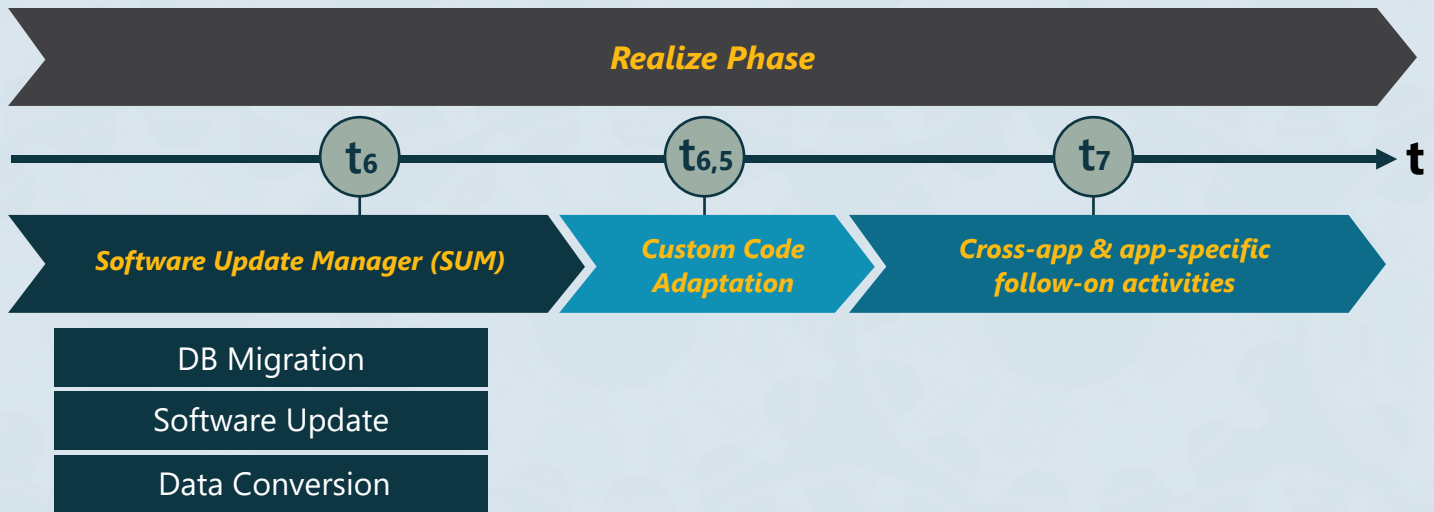
Preparation Phase				Realization Phase	
System requirements	Maintenance planner	SI checks	Custom code preparation	Software Update Manager (SUM)	Application specific follow-up activities

Custom code scoping
- Usage tracking of custom code in production (SCMON/SUSG or UPL)
- New SAP Fiori App to detect unused code.
- Automated removal of unused code via SUM.

SAP S/4HANA checks
- Remote ATC to check for S/4HANA related changes (Simplification DB).
- New SAP Fion App for efficient custom code analysis.

Functional adaptation
- ADT for Eclipse.
- Quick Fixes for semi-automated custom code adaptation.
- Adapt modifications in SPDD/SPAU.

Performance tuning
- Tune performance of critical database queries by using SQL Monitor (SQLM)

The project was delivered in two stages.

Preparation stage:
- Discovered all the custom code objects in the preparation phase using the ATC tool.
- Disregarded unused custom codes.
- Eliminated duplicated custom codes.

Realization stage:
- Identified 1545 customized object fixes that had to be adapted to S/4HANA.
  - Adapted 622 custom object fixes based on SAP Release notes.
  - Adapted 923 custom object fixes with no SAP release notes and through self-evaluation.
- Ensured that the codes did not break and were S/4HANA ready.

Realize Phase

t_6 $t_{6,5}$ t_7 **t**

Software Update Manager (SUM) | **Custom Code Adaptation** | **Cross-app & app-specific follow-on activities**

DB Migration

Software Update

Data Conversion

In the realization phase, after the Software Update Manager (SUM) had performed the technical conversion, YASH adapted the custom code to suit SAP S/4HANA solution. For custom object fixes that had no SAP reference notes, the consultants used their experience and expertise to migrate them to S/4HANA.

All the custom objects were successfully adapted to S/4HANA 1809 landscape as a part of the upgrade. The client thoroughly tested the solution for any deviations, and the project was executed within the given timelines and as per the client's needs. The client was satisfied with YASH delivery and support at a critical juncture.

For more information contact YASH today at info@yash.com or visit www.yash.com

About YASH Technologies

YASH Technologies focuses on customer success. As a leading technology services and outsourcing partner for large and fast growing global customers, the company leverages technology and flexible business models to drive innovation and value throughout its customer's enterprise. YASH customer centric engagement and delivery framework integrates specialized domain and consulting capabilities with proprietary methodologies and solution offerings to provision application, infrastructure and end user focused Right-Sourcing services. YASH is a SEI CMMI (Level 5) and an ISO 9001:2015 certified company with U.S. and India headquarters and regional sales and development offices globally with customers spread across 6 continents.

YASH ®
Technologies

More than what you think.

Global Presence: AMERICAS | EUROPE | APAC | MEA

World HQ: 841 Avenue of the Cities East Moline IL-61244 USA
Tel: 309-755-0433 | **Fax:** 309-796-1242 | www.yash.com