**HCL**

# S/4 HANA
# Roadmap for you

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# Introduction

The journey and immediate outcomes from an S/4HANA programme depend upon the unique characteristics of an organisation, its strategies, the availability of resources (including funds and people) and the core reasons behind S/4HANA – whether that is simplification, innovation, or just a technical upgrade – Greenfield – Brownfield – something in between? Whatever the reasons or journey, there are a set of core activities that every organisation will need to undertake. Many of these, however, are very specific with well-defined requirements, tasks and plans. Many are also independent preparation activities, taking place before the core S/4HANA work in Year 0.

We recognised that these activities are repeatable with each S/4HANA programme, and set about defining repeatable processes, documentation, deliverables and plans - and where possible, automating the activities.

The result is our catalogue of **HCL S/4HANA services**, which are briefly outlined below.

# S/4HANA Assessment

Deciding the best way to get to S/4HANA is something that most organisations will only do once. Deciding the best way to get our varied clients to S/4HANA is something we do a lot – which is why we developed our Assessment Framework.

## The framework provides a structure for a **repeatable and proven** roadmap definition process.

The framework defines topics and activities that influence and drive the decisions, providing supporting information, best practice, lessons learned and guidance on each - it shapes and guides the discussion to ensure that the ultimate outcome is robust, has considered all relevant aspects – and gives **the right answer for your organisation**.

Our roadmap definition exercises can be conducted in 2-10 weeks – depending on organisation's size, landscape complexity and output detail required.

# Green, Blu, Brown - The Right Path – HCL ColourSmart™

Whether to go Green or Brown – or indeed Blu (see below) - can be a difficult decision, given the number of variables that should be considered. Recognising this, as part of our S/4HANA Enablement approach we developed ColourSmart™.

ColourSmart™ is both a tool and a methodology, which through rigorous system and business analysis, can provide a reasoned, unbiased and data-driven recommendation on which S/4HANA approach is the right one for your organisation. **During our assessment, we look at over 50 influences covering topics such as:**

- **Current Landscape**
- **Target Landscape**
- **Organisational Characteristics**
- **S4/HANA Adoption Drivers**
- **Business Constraints**
- **Adoption Approach**

# Greenfield – HCL Base90 – S/4 Industry Best Practise

Many organisations feel that over time their existing SAP ECC system has evolved, diverging from best practise in an ever-increasing number of small ways. Adoption of S/4HANA provides an opportunity to go back to basics and build on a set of common industry best practises. This is the Greenfield approach.

HCL is one of the few partners with a SAP certified S/4HANA Industry Best Practices templates, which (where appropriate) are built on SAP Model Company.  HCL BASE90 best practice templates enable organisations to achieve rapid implementation, with 90% of their processes straight out of the box. The remaining 10% are reimagined for competitive differentiation using Design Thinking.

**Currently, HCL BASE90 Industry templates exist for:**

- **Aerospace Company for S/4**

- **Discrete Mfg Company for S/4**

- **Process Mfg Company for S/4**

- **Life Sciences Company for S/4**

- **Utilities Engage 2.0 for S/4 & C4C**

# Greenfield – HCL Migration Factory

Our migration factory is set up to industrialise the ECC to S/4HANA conversion process. From initial proof of concepts to full production conversions, our factory approach ensures that all of the conversion activities are automated, measured, monitored and controlled. This approach results in faster conversion, lower risk and lower cost for out clients.

Larger clients with multiple business entities are often concerned about a global go-live. For these clients, **our conversion approach** has also been designed to offer partial or phased conversion by business unit.

# Blu Thinking™ - Cleaning the Digital Core

Originally developed in 2017, and subsequently refined with support for ABAP in SAP Cloud Platform on Cloud Foundry, our Blu Thinking™ offering allows organisations with heavily customised, complex SAP ECC systems to reach an S/4HANA bi-modal, or pace-layered, target digital architecture with a minimum of rework.

We developed Blu Thinking™ as a methodology consisting of automated custom development analysis and automated code migration. The approach takes an organisation's years of custom business investment in ECC, strips away what is unnecessary, leaving business-specific differentiation that, with the aid of automation tools, is moved into the SAP Cloud Platform.

## Ultimately, an organisation can either:

- Start from the existing system and migrate differentiation to SCP, hen upgrade the ECC core to an S4 digital core - an approach which makes the S/4HANA code remediation activity considerably easier

- Or an organisation can start with the clean S4 digital core and using the Blu Thinking™ approach, can add back in the differentiation that the organisation has invested many years developing.

Blu Thinking™ is not an S/4HANA adoption approach in its own right. It is best thought of as an addition to either the Greenfield or Brownfield approaches. For organisations with a significant and justified investment in ECC customisation, Blu Thinking™ can deliver a clean and agile digital core, supported by a digital innovation platform. A final benefit of this approach is that preparation for the ECC to S4 migration can begin immediately and be phased, reducing peak cash flow demands.

# Data Archiving

# Content Management

S/4HANA is an in-memory database, and the hardware available to support it is expensive and restricts the maximum database size. It is therefore an economic and possibly technical requirement to avoid old data being held in fast access storage.

As mentioned above, S/4HANA uses an architecture where all data is held in memory – which is much more expensive than holding the data on disk.

Thus, **whether you choose a Green, Blue or Brown approach, a Data Archiving programme is required to reduce data volumes**. HCL has been supporting SAP systems for over 20 years, and carried out our first large archiving project over 10 years ago. To support our clients moving to S/4HANA, we have drawn on this experience to produce a comprehensive and templated approach to archiving, which minimises business and technical involvement resulting in a faster and cost effective project.

We have seen many organisations still retaining some document attachments (e.g. Word and Excel files) associated with the SAP transaction within the database. This is not best practise, and there are purpose built tools such as OpenText designed specifically for document management. If these attachments are not removed, the annual cost of HANA hardware will increase considerably.

**HCL offer a free Content Management Review service, which is also part of our S/4 Assessment Service.**

# Code Remediation

The preparation of existing bespoke code and database amendments is one of the major activities in a Brownfield S/4HANA programme or when using the Blu Thinking™ approach. It is an activity that can and should be carried out in advance of the core S/4HANA programme in year 0.

To help automate this process, HCL has developed the HANASmart™ tool. HANASmart™ analyses the existing ECC code and starts to segment it, separating it into frequently used code or obsolete code; identifying whether code is S/4HANA compliant; and for code that needs remediation, whether code changes can be automated or requires manual intervention.

**Using HANASmart™ can significantly reduce the code remediation timescales and cost**. Please contact us to learn more about our Code Remediation Package.
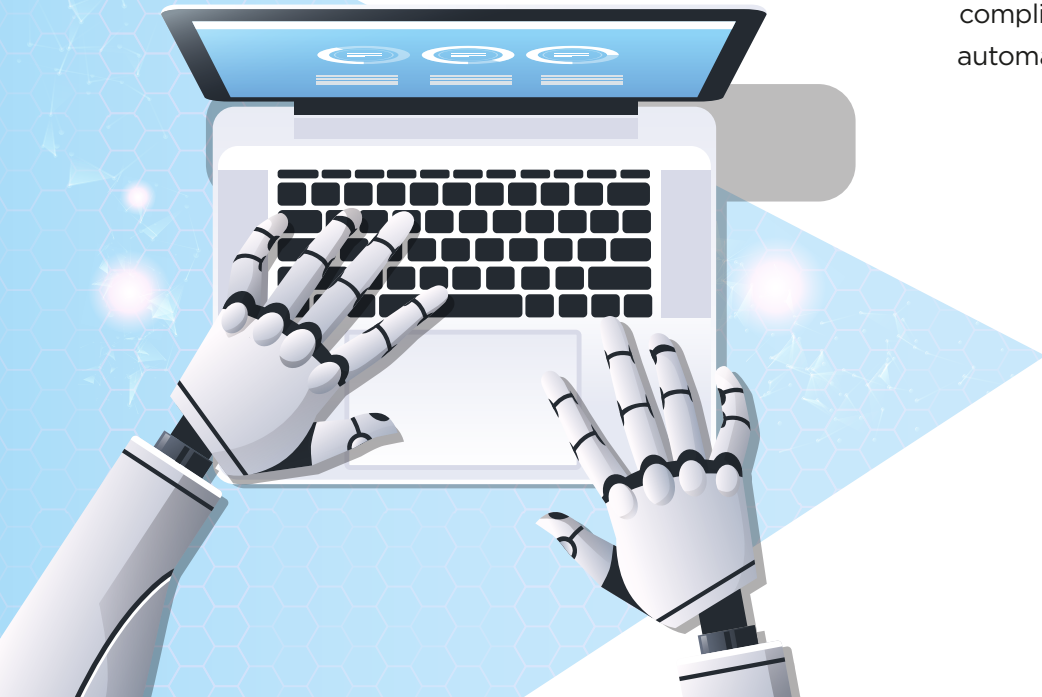
# Business Partner Conversion

In S/4HANA, SAP have effectively fronted Vendors and Customers with Business Partners, and at the same time they have been combined, as a vendor can also be a customer. It is essential that proper planning is put in place for the Customer/Vendor Integration (CVI), before SAP S/4HANA is installed, as conversion is mandatory and can require considerable effort in advance of the S/4 adoption.

## This is a challenge faced by all organisations adopting S/4HANA,

and to mitigate it, HCL has produced a set of business partner tools that provided a structured, accelerated and semi-automated approach.

# Data Conversion

A Brownfield or Blu Thinking™ move from ECC to S/4HANA requires significant data conversion activities, especially for finance. There are multiple requisite checks, conversion routines, validation reports, data snap shots, data integrity and configuration checks. Additionally, there are data enrichment activities, business sign off and reconciliation and validation checks.

**To simplify the process for our customers, HCL has produced the S4/HANA Conversion Monitor**. The monitor is loaded onto both source and target systems, and provides a holistic dashboard view of data migration activities carried out in ECC and S/4HANA in real-time. It includes automation of mandatory pre-check steps to complete S/4HANA conversion activities faster and with more accuracy.

# S/4HANA Fiori / UI Changes

With the introduction of S/4HANA, SAP has increased the availability of the modern Fiori-based user experience and associated benefits - reduced user training, reduced helpdesk calls, rapid mobile deployment and reduced employee time per transaction.

However, some organisations moving to S/4HANA wish to actively minimise the end user impact in the short term, while others wish to take the opportunity to transform the current business processes and user experience. Many Fiori and UI changes can either be made in advance or delayed until after an S/4HANA migration, making both the cost and the business impact more manageable, which also reduces risk.

**In our experience, the standard Fiori UX will meet 90% of users' needs**. However, 10% usually benefit most from tailored designs.  Working with, or helping you define, your UI strategy, Cloud strategy and financial requirements, we will produce an S/4 UI Implementation Framework, which will include a tailored adoption plan, timescales, user personas and cloud architecture recommendations. **Any UI development can be delivered through our offshore App Factory**.

# Our Consulting Team

HCL's global SAP practice has been leading benefits-driven business transformation globally for the last 25+ years – making us one of the largest and most experienced SAP Services Partners.

# Skills and Training

Our team brings an impressive breadth and depth of SAP process, functional and technical expertise across the whole of the SAP product suite. As HCL is at the forefront of SAP implementations, the vast majority of our consultants bring experience of working on the latest versions and functionality of the SAP software for their areas. We invest heavily in ensuring that our consultant's skills are kept up to date with the latest developments in the SAP product portfolio.

# Global Reach

HCL operates as a single global organisation, allowing us to deploy consulting teams that leverage proven industry and solution best practices. We are one of the largest SAP partners with real regional presence across Europe, North America, and Asia Pacific regions, and our clients include some of the largest enterprises worldwide.

Building on our strong legacy and looking to the future, our 9,000+ SAP consulting strength - combined with HCL's leading in-house Engineering Services, IoT Works and Digital and Analytics practices - mean that HCL is positioned to lead digital transformation across the complete portfolio of new SAP Digital technologies.

> **"HCL has made the biggest commitment to technical readiness by training more than 1200 consultants and developers on SAP Leonardo platform and portfolio of applications."**
>
> Kerri Atkins SAP Partner Strategy IoT & Platform Solution

# SAP Global Partnership



- SAP Innovation partner

- Global SAP Leonardo partner

- SAP Blockchain Co-innovation Partner

- SAP Ariba partner

- SAP Value Assurance Partner

- Strategic S/4 partner within SAP's S/4 HANA go-to-market strategy

- SAP S/4 Public Cloud Partner

- SAP CX Partner

HCL has been a certified partner in the SAP ecosystem for 20+ years. The strong HCL and SAP relationship provides our consultants with training, co-development and co-delivery opportunities, keeping our consultants at the forefront of delivering and helping develop new SAP Digital technologies.

HCL's strategic SAP relationship includes key partnerships across the SAP portfolio, with particular strengths in digital technologies.

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