Getting future ready with the transformation to SAP S/4HANA

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SAPinsider
Las Vegas

2023

SAPinsider

In This Session

You will receive an overview

- why to move to SAP S/4HANA,

- What is really new on SAP S/4HANA and ist latest release,

- how to get there and

- what are the tools and services helping you

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What We'll Cover

- Why to move to SAP S/4HANA
- What are the tools and services to support your transformation
- What are the latest innovations of SAP S/4HANA and news on the SAP S/4HANA Maintenance strategy
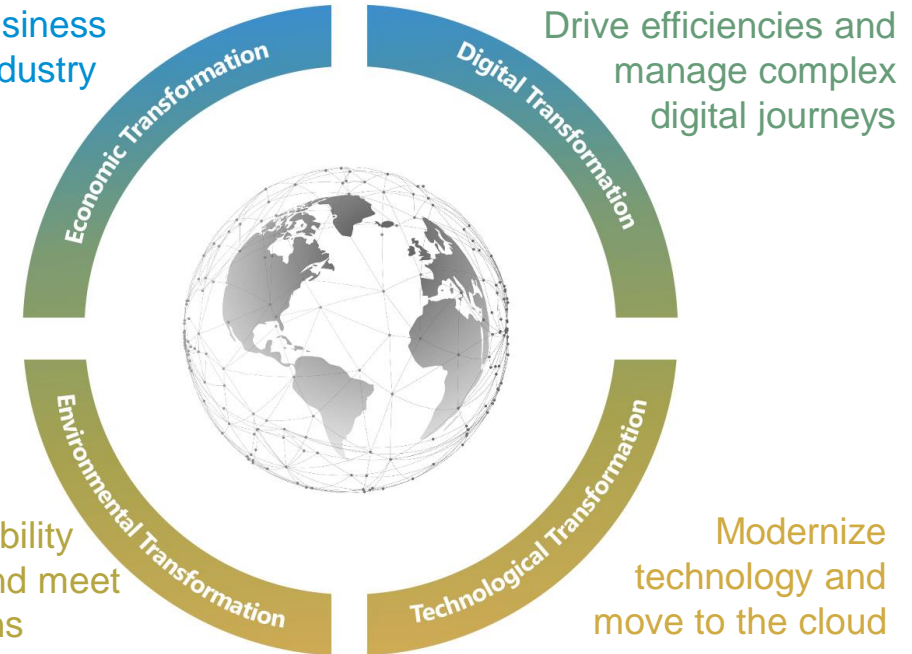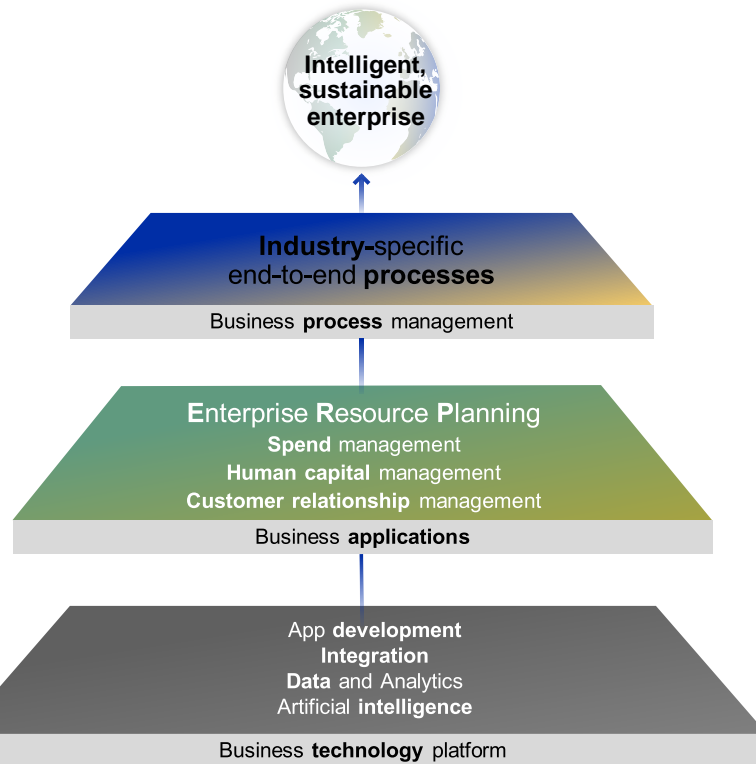- Wrap-Up
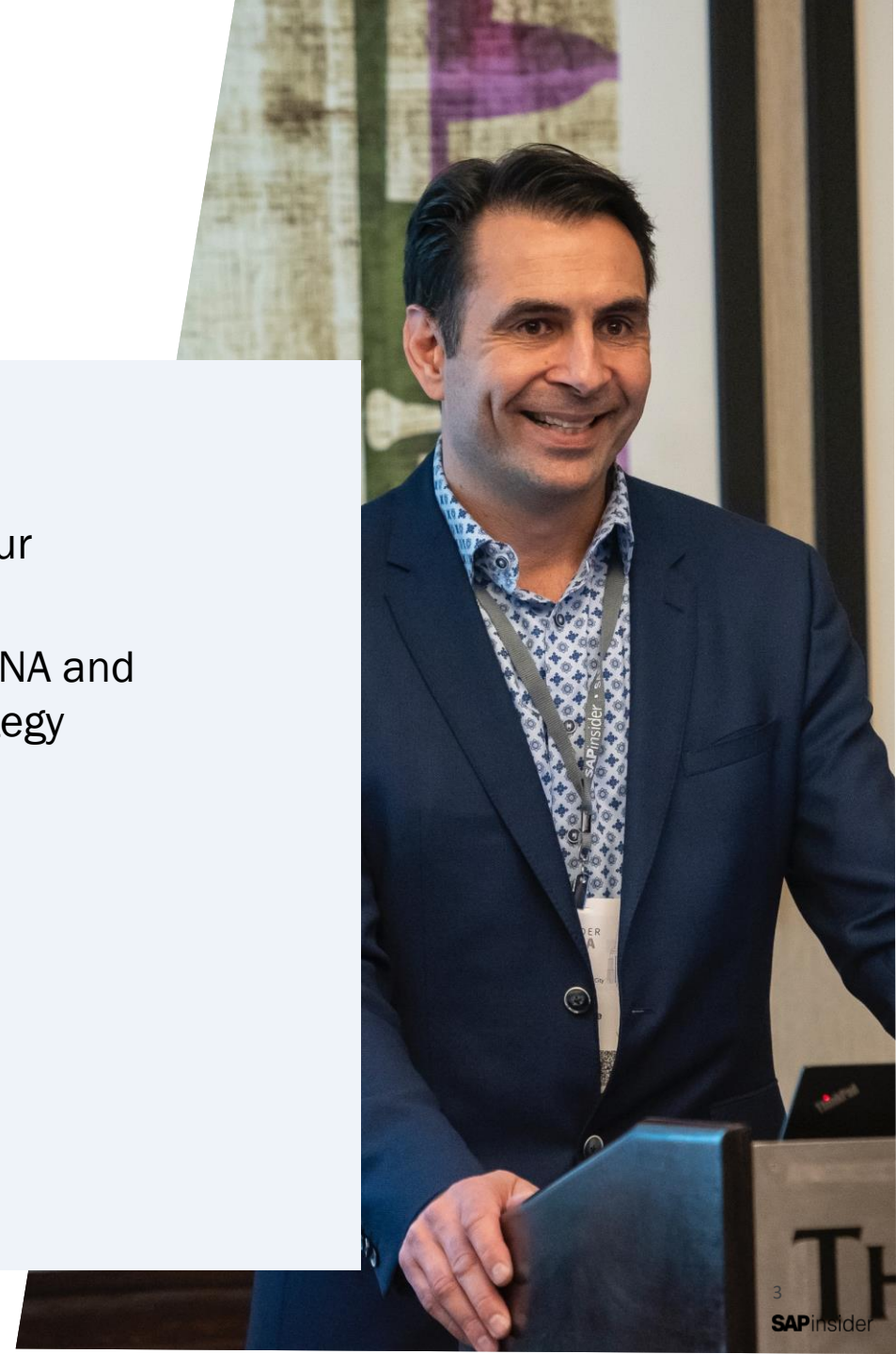
Why moving to SAP S/4HANA?

Our customers challenges and imperatives

Enterprises need the agility to adopt new business models, gain efficiencies and transform mission-critical systems to drive sustainable growth

Adopt agile business models and industry disruption

Drive efficiencies and manage complex digital journeys

Drive sustainability imperatives and meet new regulations

Modernize technology and move to the cloud

Economic Transformation

Digital Transformation
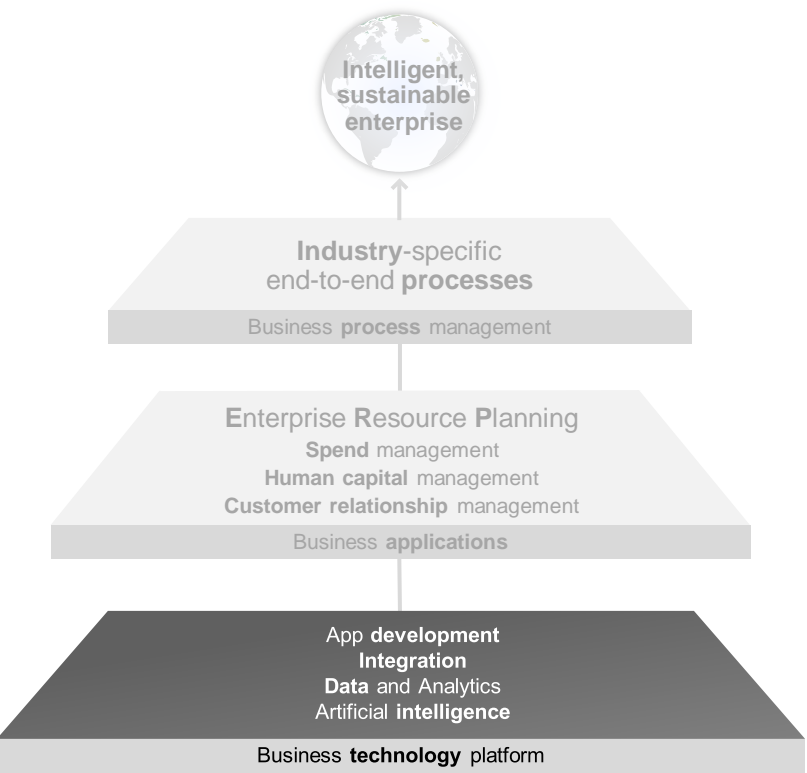
Environmental Transformation

Technological Transformation

Intelligent Enterprise

Enable every enterprise to become an **intelligent, sustainable enterprise**

Intelligent Business Technology

Intelligent, sustainable enterprise

Industry-specific end-to-end **processes**

Business **process** management

Enterprise Resource Planning
Spend management
Human capital management
Customer relationship management

Business **applications**

App **development**
Integration
Data and Analytics
Artificial **intelligence**

Business **technology** platform

Migrate and maintain relevant data,
deliver trusted master data, and keep the core clean by decoupling custom code

Integrate, optimize, and automate processes
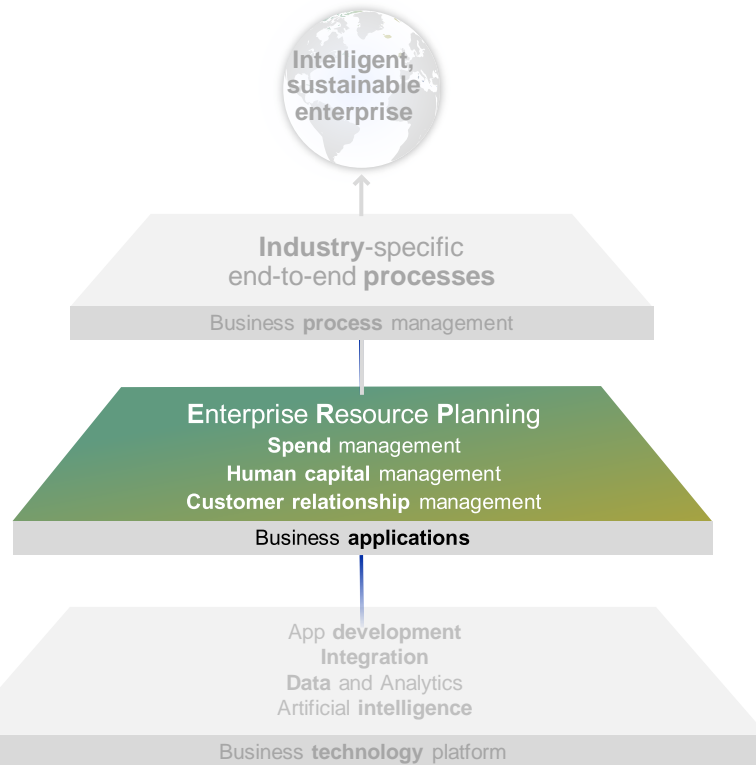with 2,000+ prebuilt integrations and comprehensive tools

Innovate to gain a sustained competitive advantage
with high value SAP BTP solutions including analytics and intelligent technologies embedded in SAP S/4HANA

Value Proposition:
- Secure & compliant
- Open & flexible
- Unified & simple
- Broad ecosystem
- Enterprise-grade & scalable
- Business-centric

App Development
- Process automation
- Digital experience
- Visual Low-Code / No-Code programming
- Development Operations

Integration
- Process integration
- Data integration
- API led integration
- Event based integration

Data and Analytics
- Database
- Data management
- Data warehouse
- Analytics & planning

Intelligent Technologies
- Pre-built AI models
- Intelligent processes
- Self-learning programs
- Data security & decentral persistence

Intelligent Business Applications

Intelligent, sustainable enterprise

Industry-specific end-to-end **processes**

Business **process** management

Enterprise Resource Planning
Spend management
Human capital management
Customer relationship management

Business **applications**

App **development**
Integration
Data and Analytics
Artificial **intelligence**

Business **technology** platform

**Design new business models and maximize existing ones**
with end-to-end business scenarios coupled with digital industry best and next practices

Drive step change improvement in time-to-market and drive insight into action
with Intelligent automation embedded into mission-critical business processes

Adapt to volatile markets, disruptions and crisis with dynamic reallocation of resources
with real-time business operations designed

finance

sell

make

supply

buy

design

maintain

service

people
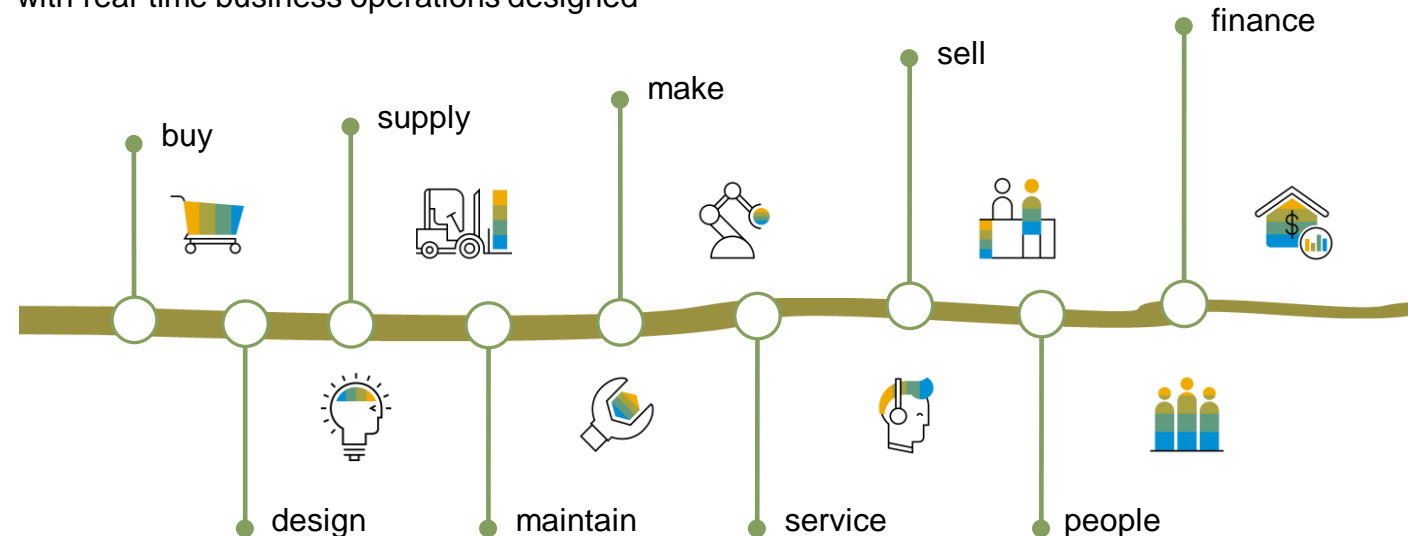
Drive real-time insight eliminating manual effort, increasing productivity
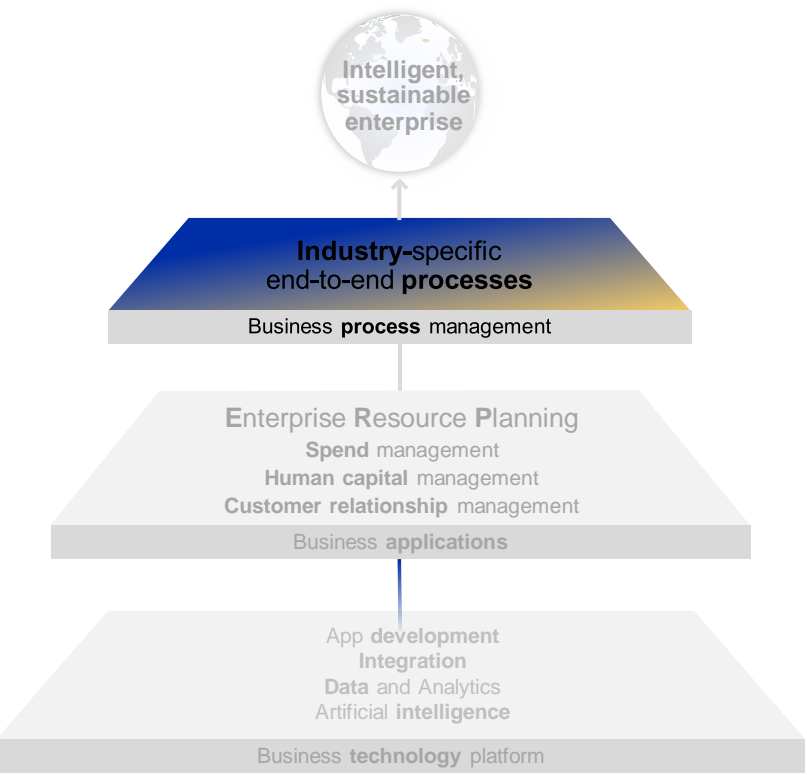with intelligent automation coupled with industry best practice processes

Operate as ONE
with increased visibility across end-to-end business processes, operations and networks

Decide and act immediately from anywhere
with personalized insight delivered to employees in the context of their role

Intelligent End-to-End processes

Aerospace & Defense	Defense & Security	Industrial Manufacturing	Mining	Sports & Entertainment
Automotive	Engineering Construction & Operations	Insurance	Oil & Gas	Telco
Banking	Healthcare	Life Sciences	Professional Services	Travel & Transportation
Chemicals	Higher Education	Media	Public Sector	Utilities
Consumer Products	High Tech	Mill Products	Retail & Fashion	Wholesale & Distribution

Innovate faster by connecting in-depth SAP expertise with top thinkers, inventors, and disruptors. Deliver targeted, modular solutions from one place

Shape your industry with next-practices by getting a clear roadmap that links strategy and technology

Connect innovation across your company by leveraging built-in integration to the systems and data at the center of your business without disrupting the core business processes and experiences

Intelligent Business Process Management
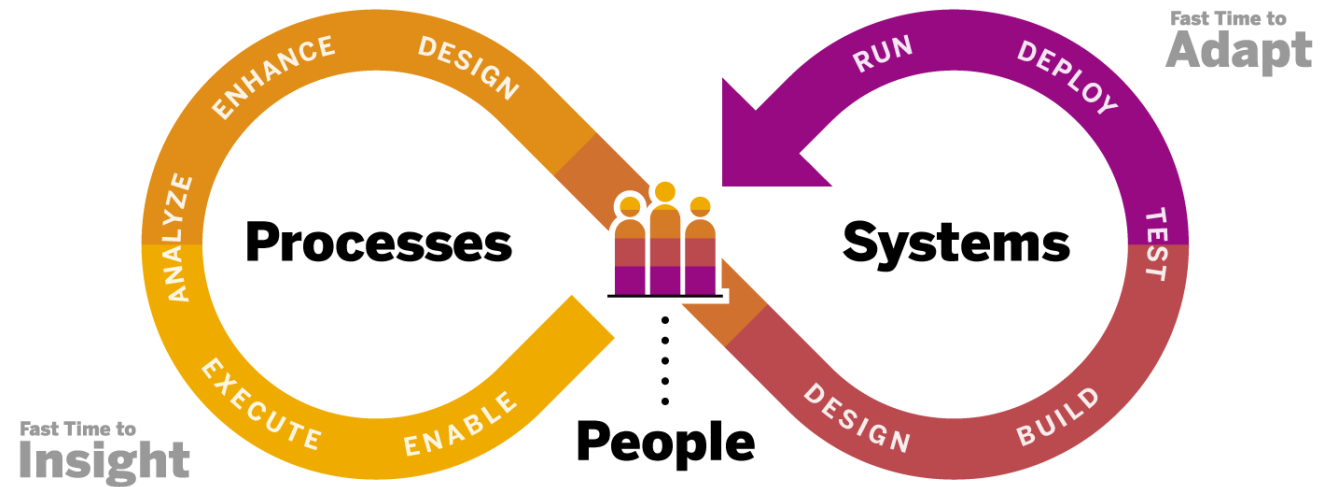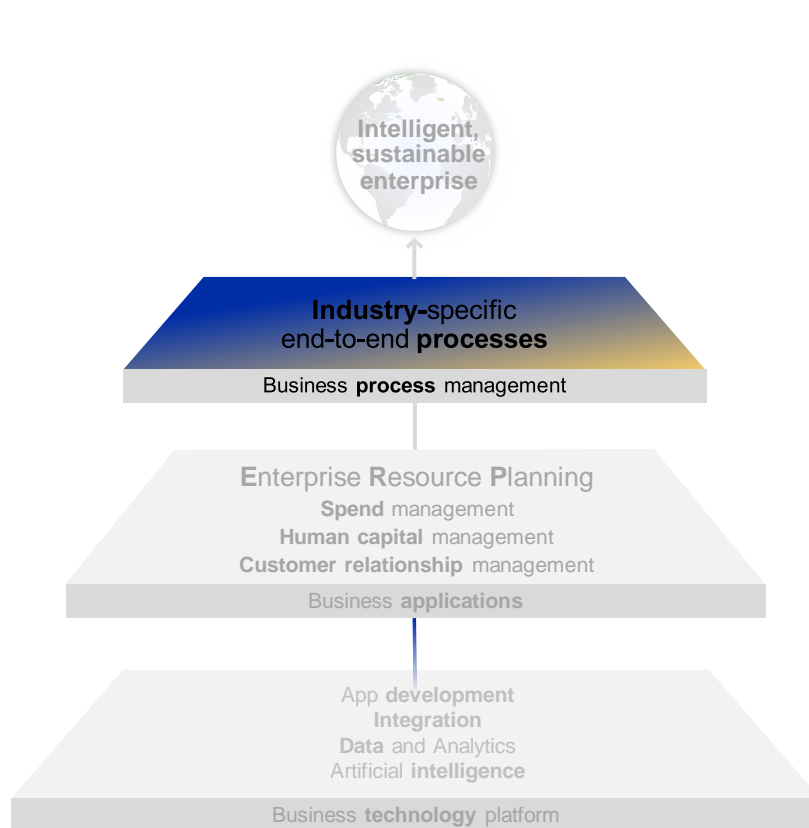
Understand your processes and plan for your new process with out-of-the-box **process flows** and **process performance indicators**

Dive deep with **analytic capabilities**: find the root cause of your issues and areas of improvement
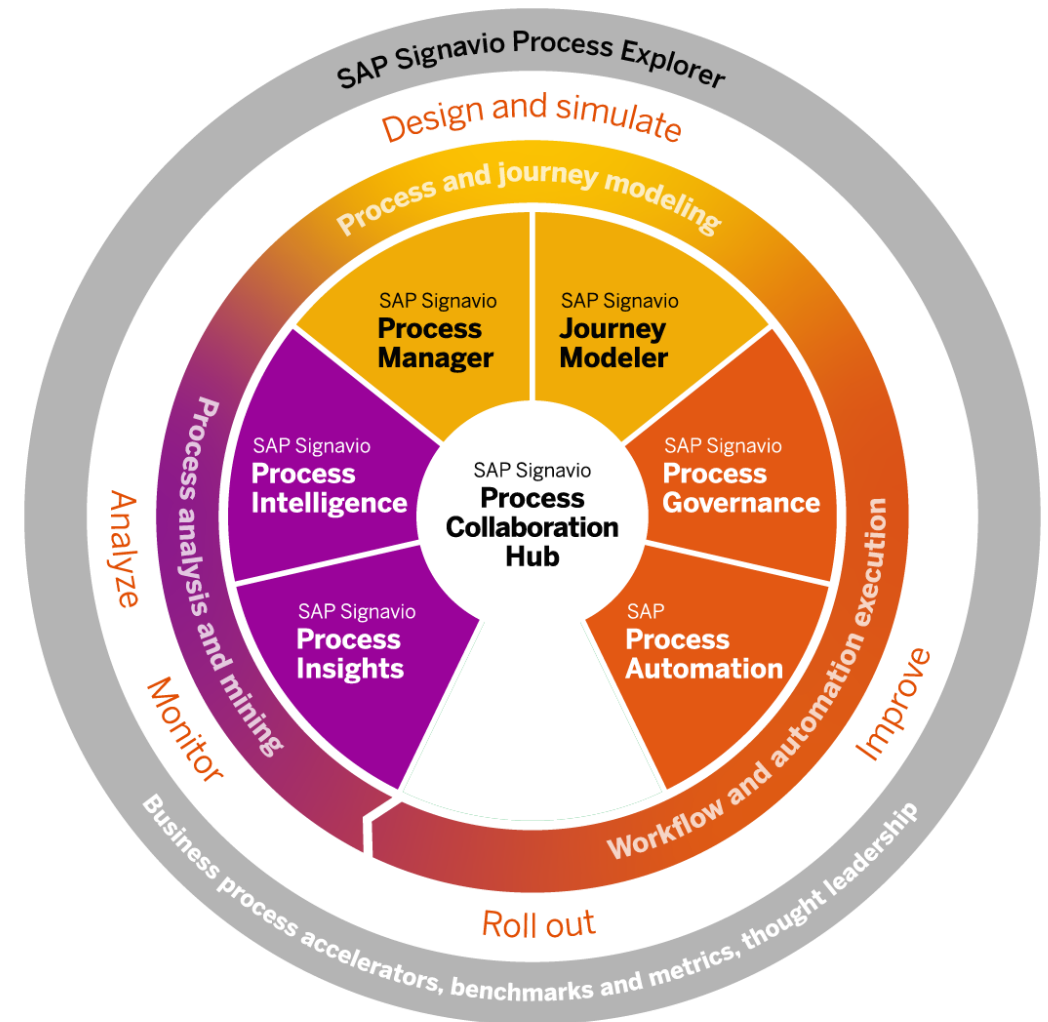
Design new processes, provide documentation and governance: Leveraging process mining (across SAP & non-SAP systems) and **collaborative business** transformation

Use the tailored **improvement recommendations** to get from fast insights to immediate results
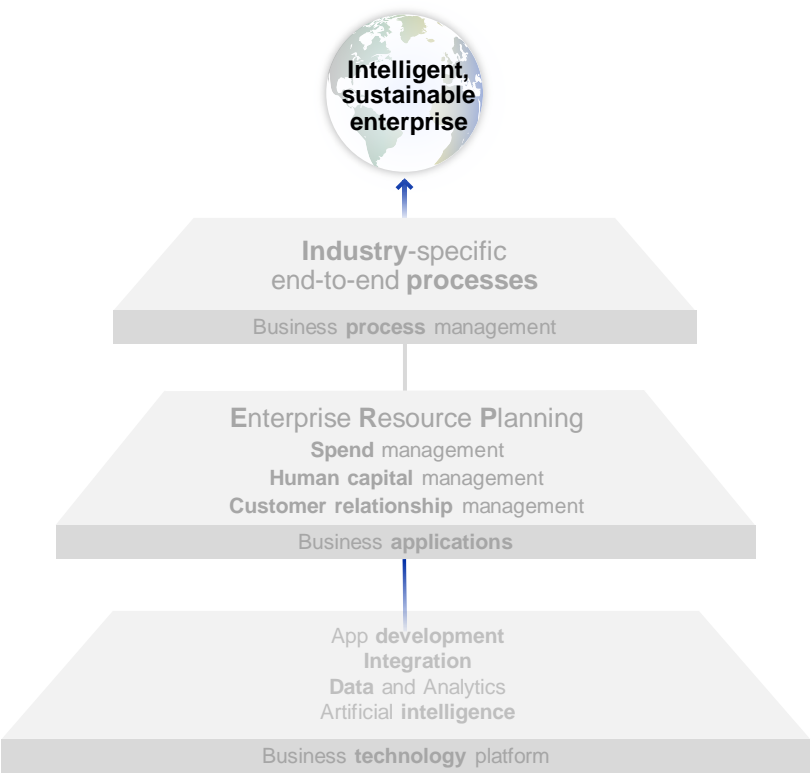
SAP Signavio Process Transformation Suite
Our offering
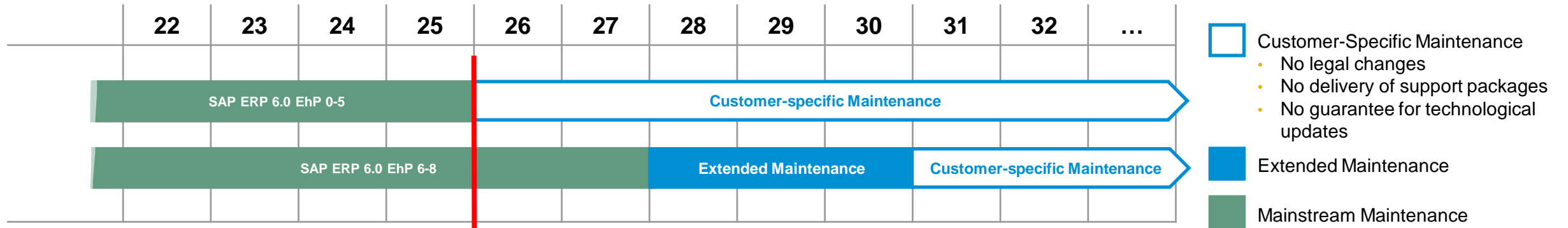
A cloud-based process management platform that gives companies the ability to understand, improve, and transform all their business processes – fast and at scale

Intelligent Sustainable Enterprises

Intelligent, sustainable enterprise

Industry-specific end-to-end **processes**
Business **process** management

Enterprise Resource Planning
Spend management
Human capital management
Customer relationship management
Business **applications**

App **development**
Integration
Data and Analytics
Artificial **intelligence**
Business **technology** platform

Sustainability Journal

SAP Responsible Design & Production (Circular Economy)

SAP Product Footprint Management (Climate 21)

SAP Sustainability Control Tower (Holistic Steering & Reporting)

SAP S/4HANA for Product Compliance

SAP Environment, Health, and Safety

SAP S/4HANA, Suite LoB Solutions and Industry Innovations

End of mainstream maintenance situation within the SAP ERP 6.0 customer base

22	23	24	25	26	27	28	29	30	31	32	...

SAP ERP 6.0 EhP 0-5 — Customer-specific Maintenance

SAP ERP 6.0 EhP 6-8 — Extended Maintenance — Customer-specific Maintenance

☐ Customer-Specific Maintenance
- No legal changes
- No delivery of support packages
- No guarantee for technological updates

■ Extended Maintenance

■ Mainstream Maintenance

SAP ERP 6.0 EhP 0-5 runs out of mainstream maintenance on December 31, 2025.

Details on SAP ERP 6.0 EoM in the following SAP Notes:
- 2881788 - End of SAP Business Suite 7 mainstream maintenance
- 52505 - Support after end of mainstream maintenance or extended maintenance
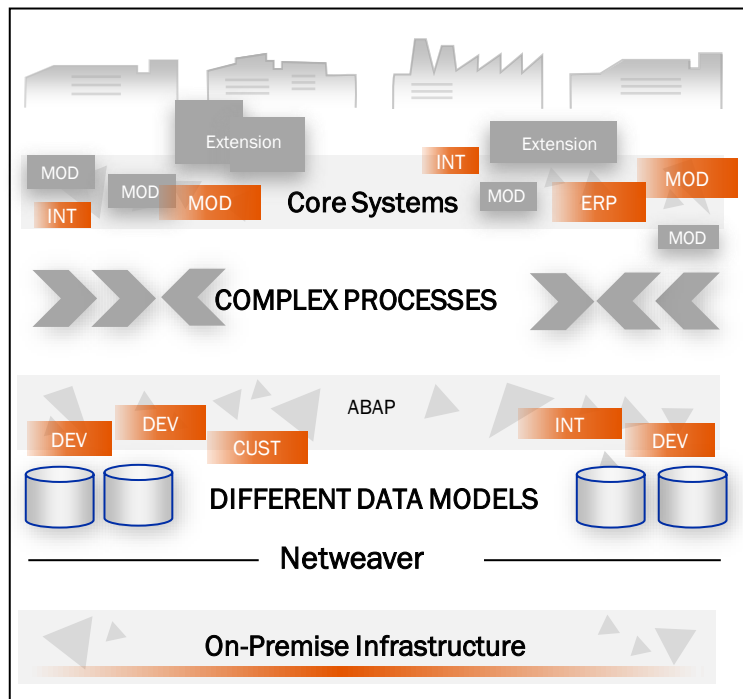
Information on SAP Maintenance Strategy:
- Details on Customer-Specific Maintenance (SAP-internal)
- SAP Maintenance Strategy SAP S/4HANA (SAP-internal)

How to get to SAP S/4HANA?

INTELLIGENT SUSTAINABLE ENTERPRISE TRANSFORMATION JOURNEY
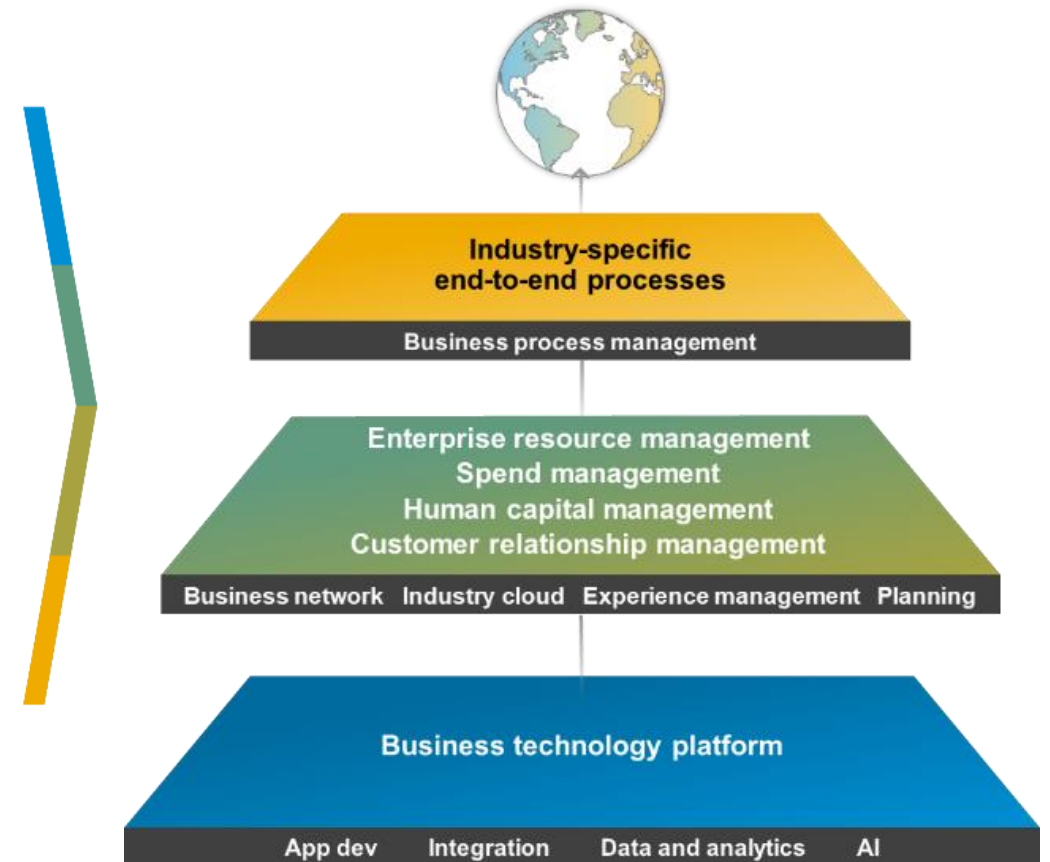
FROM A LEGACY ON-PREMISE LANDSCAPE...

Extension
INT
Extension
MOD
MOD
MOD
MOD
INT
ERP
MOD
Core Systems
MOD

COMPLEX PROCESSES

ABAP
DEV
DEV
CUST
INT
DEV

DIFFERENT DATA MODELS

Netweaver

On-Premise Infrastructure

Agile & integrated system landscape

Conversion from ECC to SAP S/4HANA

Business transformation & process redesign

SAP BTP as integration and extension layer

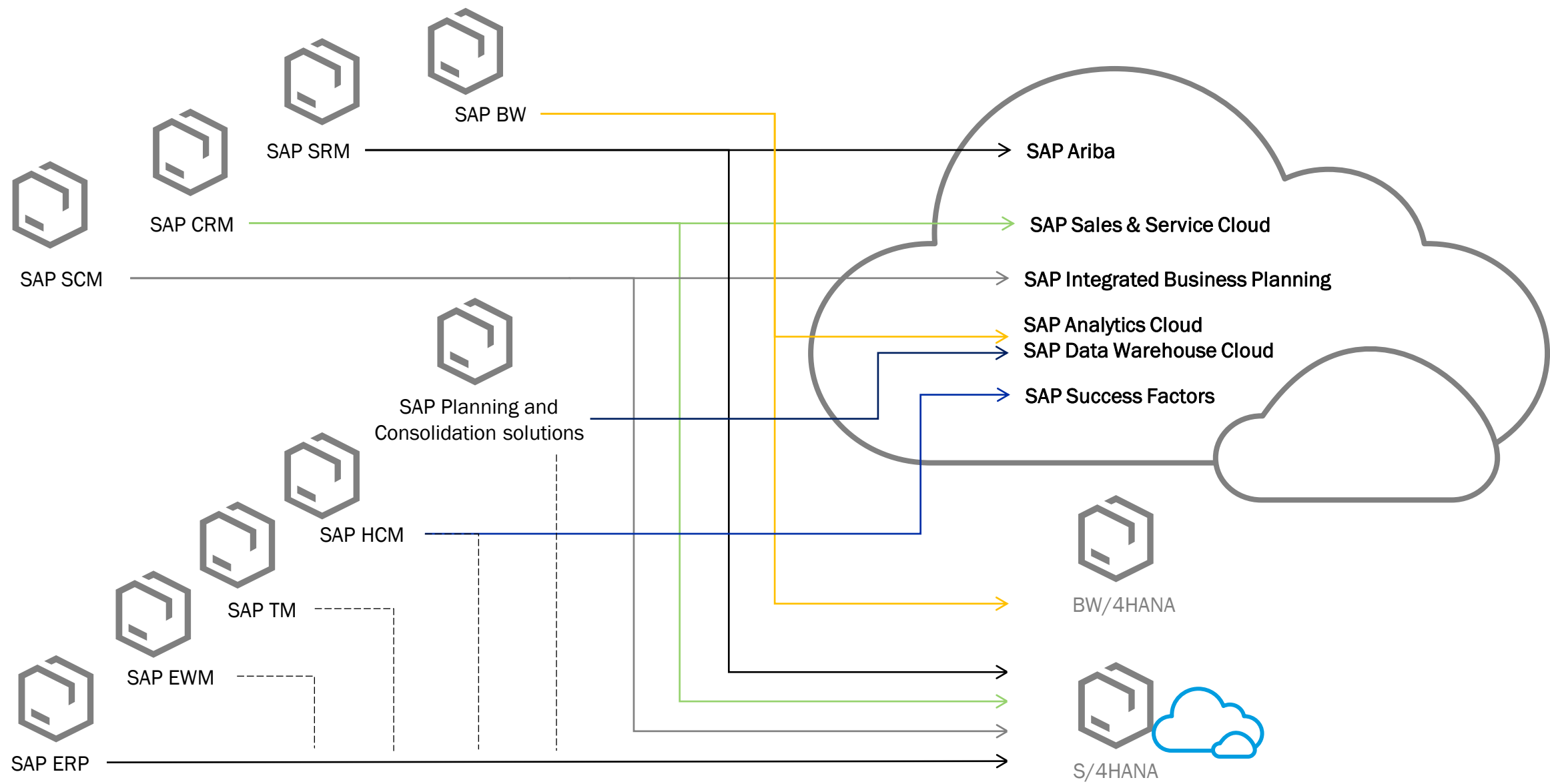## ...TO THE INTELLIGENT SUSTAINABLE ENTERPRISE

Industry-specific
end-to-end processes

Business process management

Enterprise resource management
Spend management
Human capital management
Customer relationship management

Business network   Industry cloud   Experience management   Planning

Business technology platform

App dev   Integration   Data and analytics   AI

SAP **CUSTOMER EVOLUTION** PROGRAM

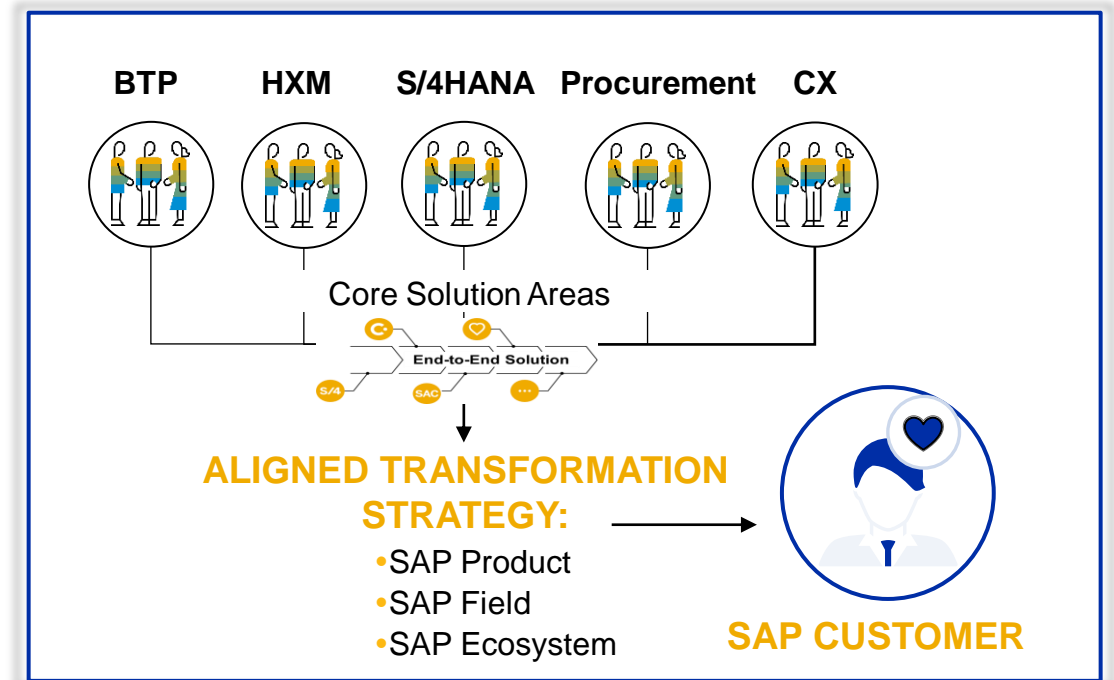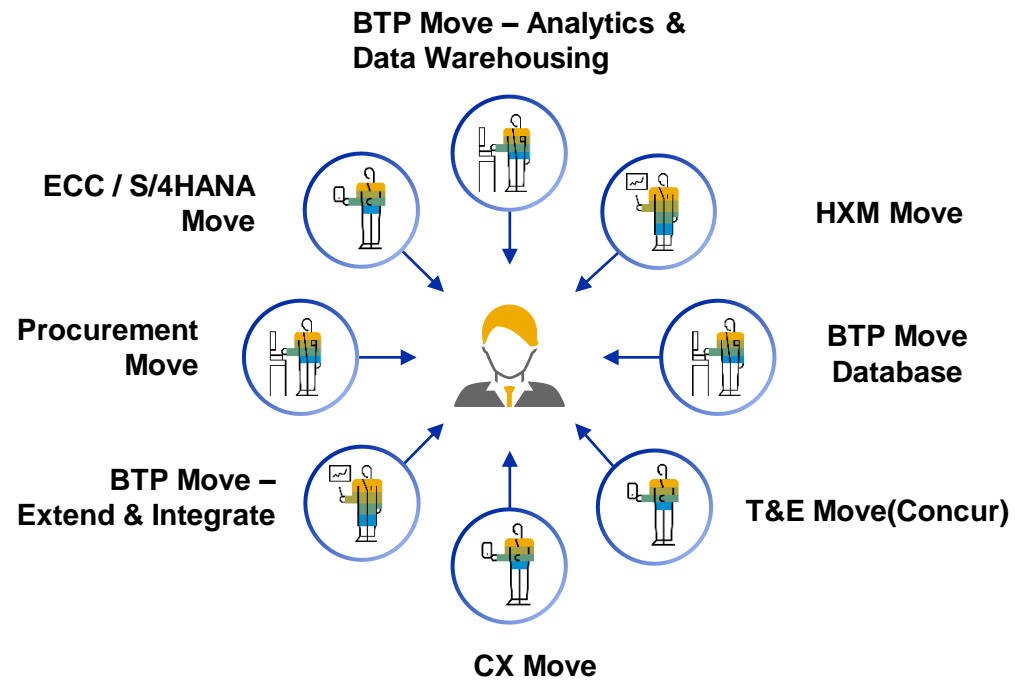"YOUR JOURNEY TO WHAT´S NEXT WITH SAP"

OUR VISION & MANDATE

- We **help existing SAP customers** define and realize the **next steps in their business and IT evolution**

- Jointly with our Ecosystem, we drive a **tailored & accelerated journey to the Intelligent Sustainable Enterprise** through supporting existing customer engagement models and orchestrating **E2E customer evolution framework**

- We commit to **leave no installed base customer behind** on their innovation path

Together, we have a couple of transitions to plan for …

SETTING SAP IN ONE FORMATION TOWARDS INSTALLED BASE TRANSFORMATION

BTP Move – Analytics & Data Warehousing

ECC / S/4HANA Move

HXM Move

Procurement Move

BTP Move Database

BTP Move – Extend & Integrate

T&E Move(Concur)

CX Move

BTP   HXM   S/4HANA   Procurement   CX

Core Solution Areas

End-to-End Solution

ALIGNED TRANSFORMATION STRATEGY:
- SAP Product
- SAP Field
- SAP Ecosystem

SAP CUSTOMER

CREATING BUSINESS VALUE STARTS WITH
BUSINESS PROCESS OPTIMIZATION AND TRANSFORMATION
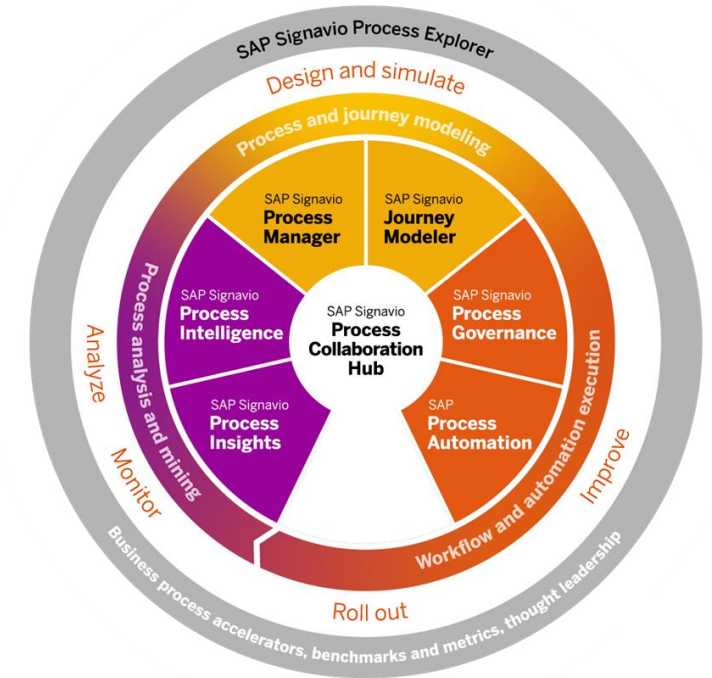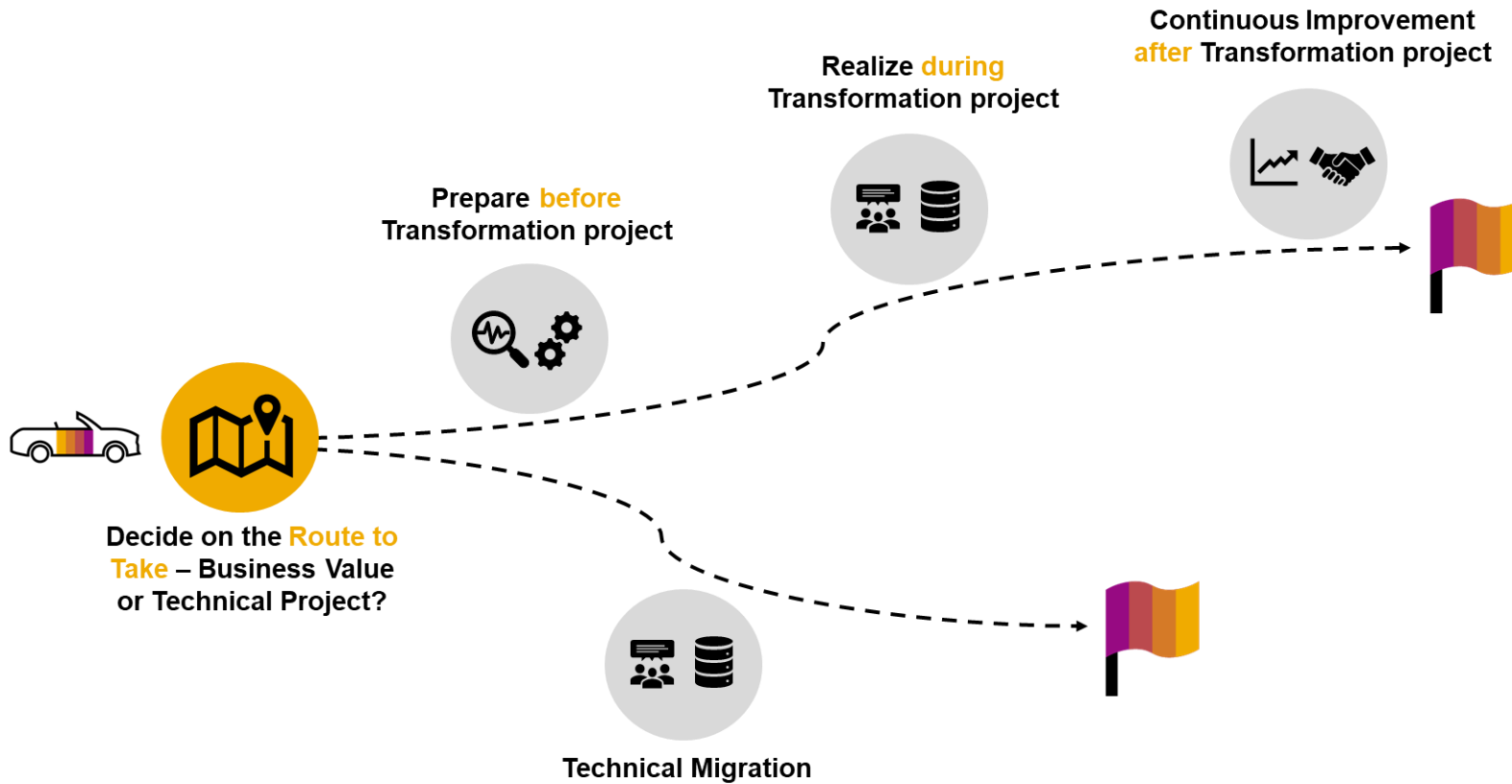
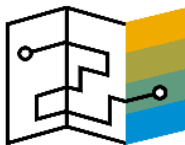# Customer Evolution Program | Agile Program Execution Framework

1 PLAN > **2** EXECUTE > **3** INNOVATE

Provide Transparency	Align on Engagement Strategy	Build the Evolution Value Case	Plan the Evolution Journey	Drive Evolution Execution	Incubate Evolution Innovation
Provide transparency on the existing customer base in scope for Evolution	**Cluster and qualify customer base** per Solution Area, Region, MU	Identify **transformation approach and key initiatives** for each of the customer clusters	Establish **Transformation roadmap** and value creation "Evolution Success Plan"	Deliver **fast-track prescriptive Evolution Business Journeys**	Establish a **feedback loop along the whole customer journey** to capture innovation areas

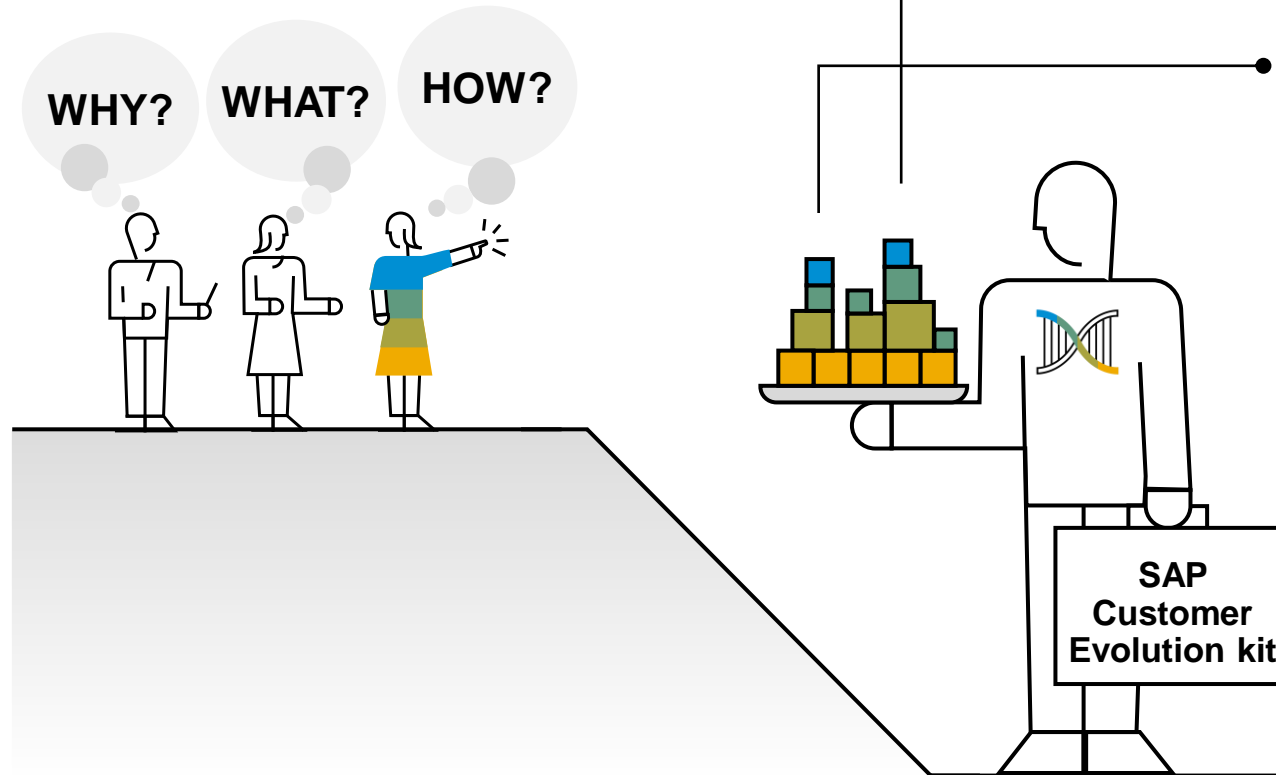# Why SAP Customer Evolution Kit?

WHY? **WHAT?** **HOW?**

What is unique about it?
High touch and time efficient engagement helping customers get a comprehensive prospective on **Why? What? and How?**

SAP Customer Evolution kit

What makes the difference? This program …

… **cuts down** the **workload** on customer side

… is provided at **no additional costs**

… delivered **remotely** via **1:1 sessions** by a dedicated team

… covers **WHY? WHAT? HOW?**

… generates customer specific and actionable **Transformation Plan**

… significantly **accelerates SAP S/4HANA adoption**

SAP Customer Evolution Kit

Framework
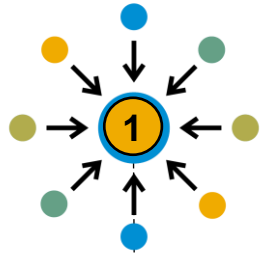
Get in touch with your Account Team and **receive** customer-specific outside in **point-of-view document**
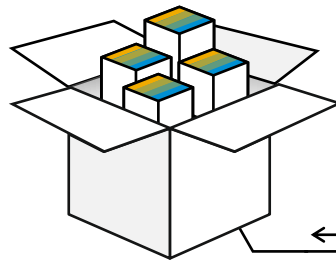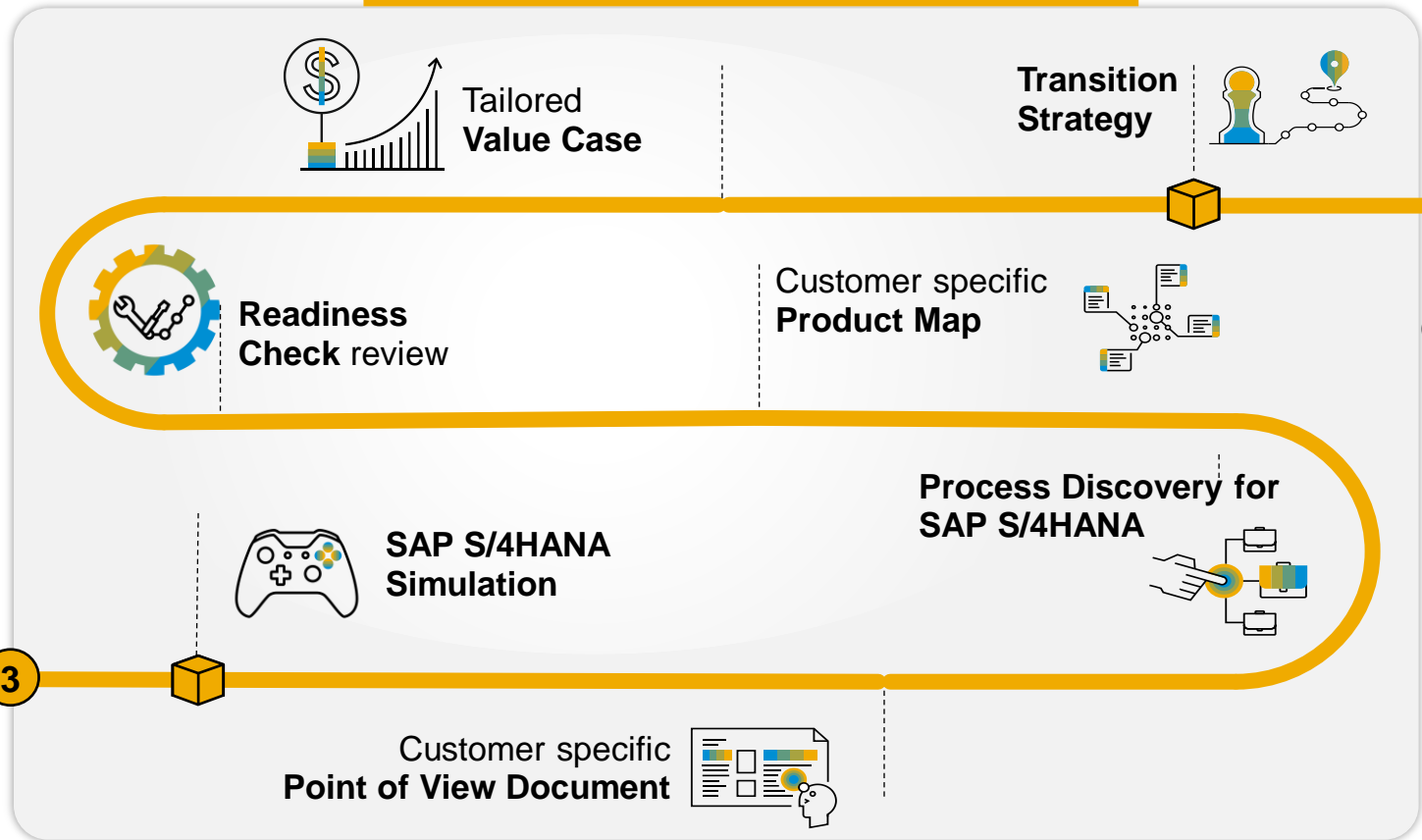
①

② **Preparation & Information Call**
Customer Engages with SAP to investigate more details about the SAP Customer Evolution kit and to set the focus for the Engagement

③

Tailored **Value Case**

Readiness Check review

Customer specific **Product Map**

Transition Strategy

④ **Handover Session:** Case for Change

Process Discovery for SAP S/4HANA

SAP S/4HANA Simulation

Customer specific **Point of View Document**

Elements are part of the **welcome package**

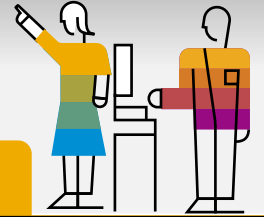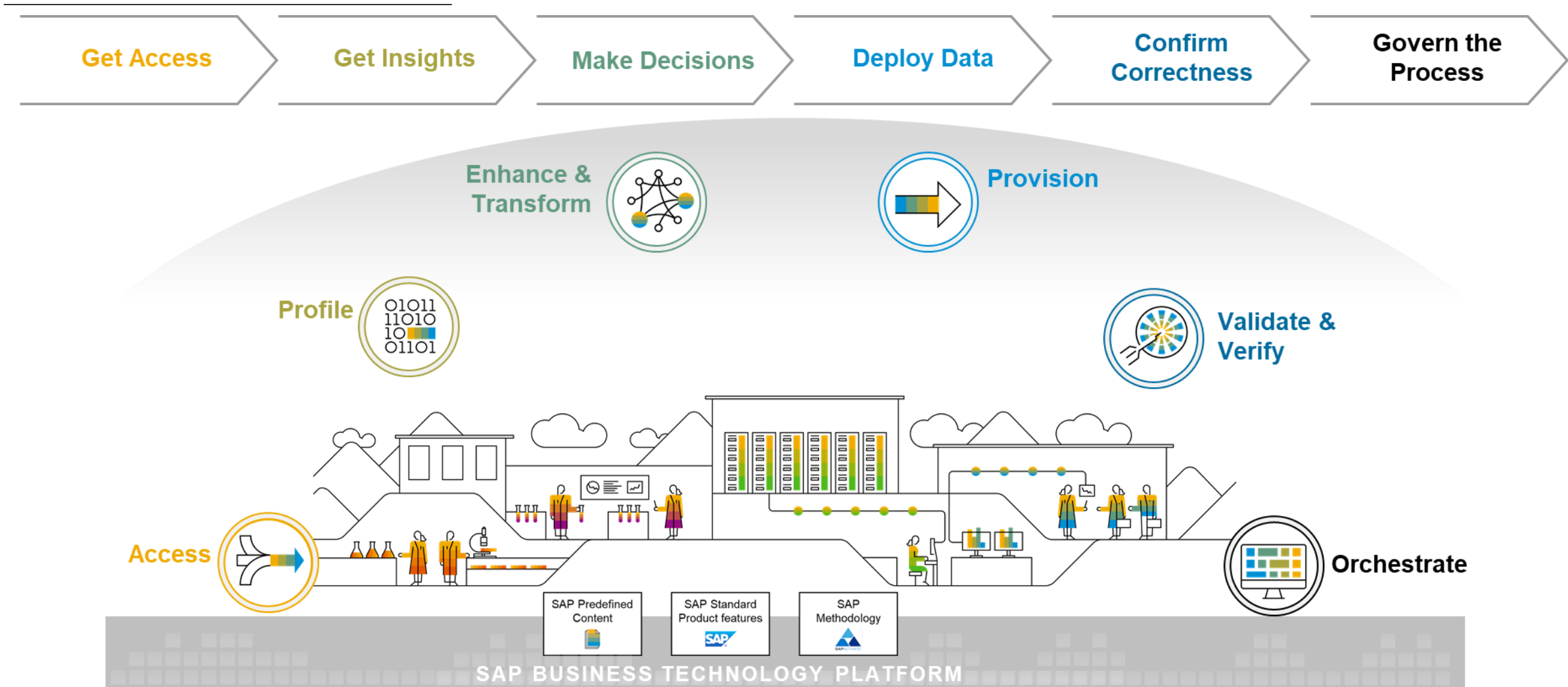| Market Research & Bot Mining | + | Solution Value Data | + | Consulting Know-How on Customer |

SAP Customer Evolution Kit | S/4HANA
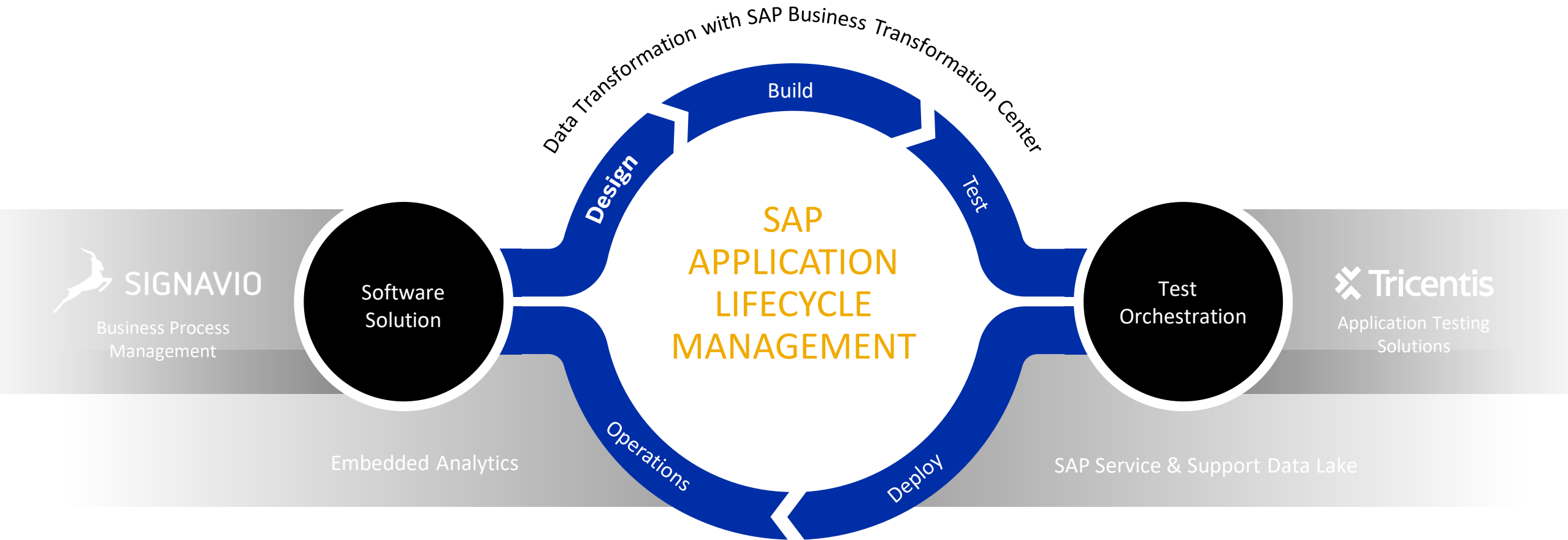## What is covered?

Overview of topics for the individual days

1st half day	2nd half day	3rd half day	4th half day	One hour session
Session 1: WHY? Experience the value of SAP S/4HANA with SAP S/4HANA Simulations • Interactive and collaborative business simulation leveraging state-of-the-art SAP innovations • The power of SAP S/4HANA with real-time embedded analytics and streamlined E2E processes was experienced • Aspects of the ERP sim beneficial for the customer selected and prioritized powered by: **SAP S/4HANA Simulation by Baton Simulations**	**Session 2: WHY?** Discuss customer-specific point-of-view document created by SAP	**Session 4: WHAT?** Sketch the future based on a prepopulated customer-specific product map powered by: **SAP Transformation Navigator**	**Session 6: WHAT?** Analyze software, infrastructure requirements, functional implications, custom code adaptations and data migration requirements in advance powered by: **SAP Readiness Check**	**Closing Session** Wrap up and presentation of final result document
	Session 3: WHY? Identify SAP S/4HANA innovation & improvement potential based on your system data powered by: **Process Discovery**	**Session 5: WHY?** Identify and quantify financial benefit to establish a Value Case for the SAP S/4HANA Transformation powered by: **SAP Value Lifecycle Manager**	**Session 7: HOW?** A transformation approach & start point is recommended	

Business
I.T.
Stakeholders

Intelligent Sustainable Enterprises

Get Access → Get Insights → Make Decisions → Deploy Data → Confirm Correctness → Govern the Process

Enhance & Transform

Provision

Profile

Validate & Verify

Access

Orchestrate

SAP Predefined Content

SAP Standard Product features

SAP Methodology

SAP BUSINESS TECHNOLOGY PLATFORM

SAPinsider

Business Transformation Suite

Data Transformation with SAP Business Transformation Center

SAP APPLICATION LIFECYCLE MANAGEMENT

Build

Design

Test

Operations

Deploy

Software Solution

Test Orchestration

SIGNAVIO
Business Process Management

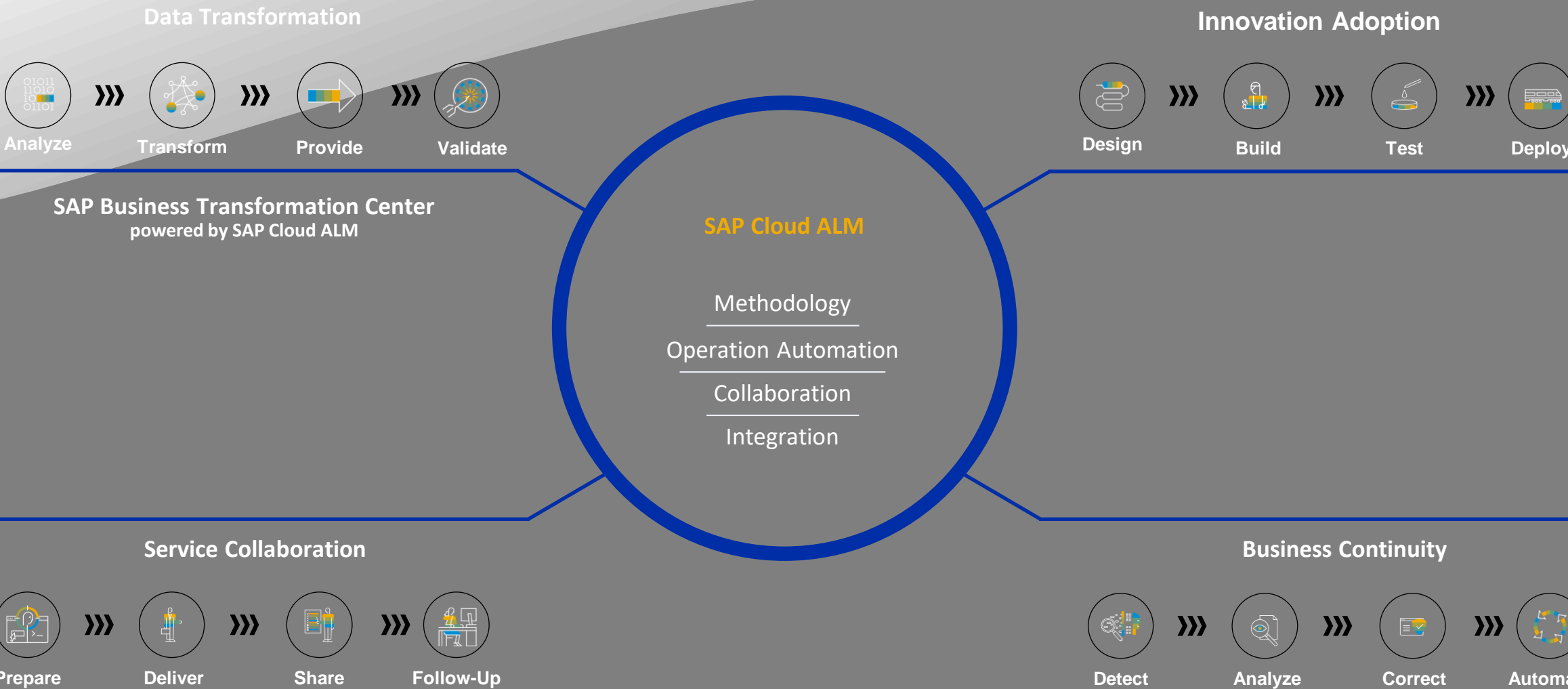Embedded Analytics

Tricentis
Application Testing Solutions

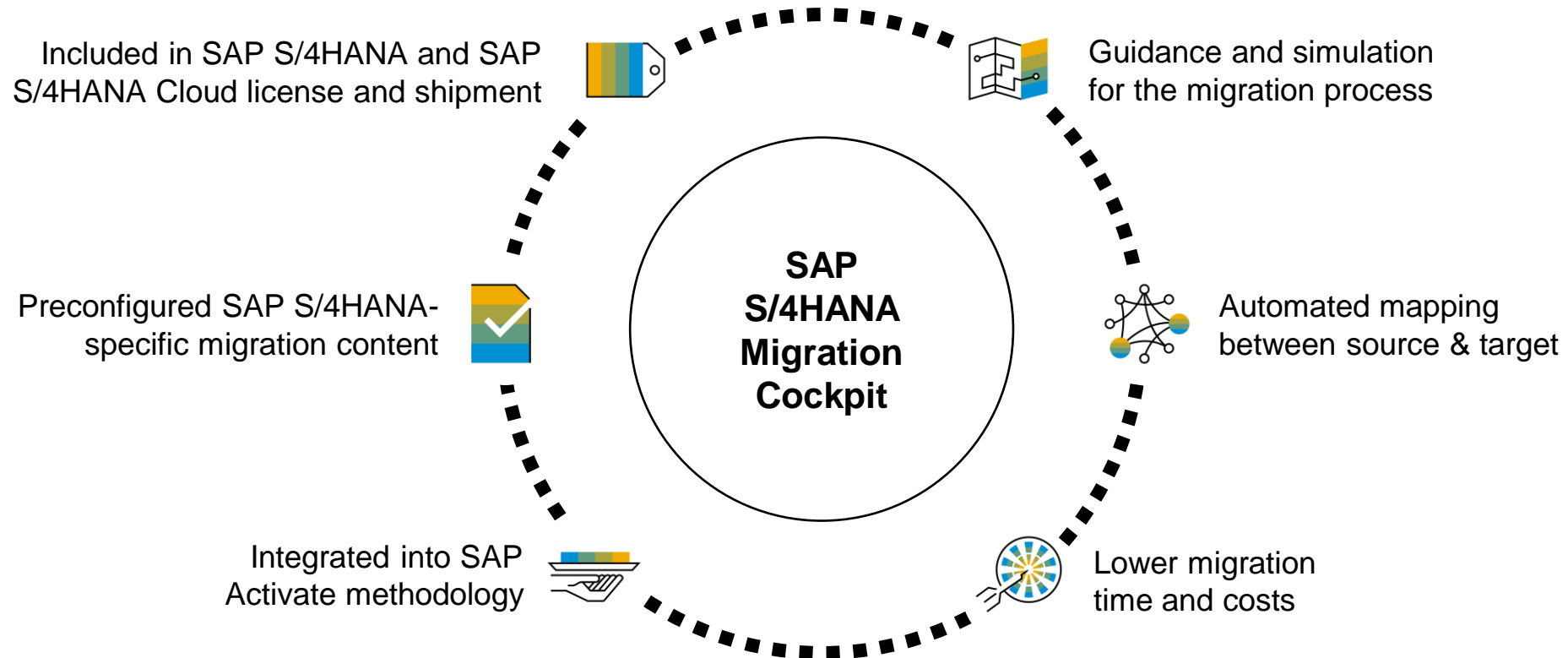SAP Service & Support Data Lake

One methodology and tool chain, one process hierarchy, best practices, E2E traceability and proactive support.

This is the current state of planning and may be changed by SAP at any time.

SAP Cloud ALM - Summary

Data Transformation

Analyze ⟫ Transform ⟫ Provide ⟫ Validate

SAP Business Transformation Center
powered by SAP Cloud ALM

Innovation Adoption

Design ⟫ Build ⟫ Test ⟫ Deploy

SAP Cloud ALM

Methodology

Operation Automation

Collaboration

Integration

Service Collaboration

Prepare ⟫ Deliver ⟫ Share ⟫ Follow-Up

Business Continuity

Detect ⟫ Analyze ⟫ Correct ⟫ Automate

Facilitate Migration Projects with SAP S/4HANA Migration Cockpit

Included in SAP S/4HANA and SAP S/4HANA Cloud license and shipment

Guidance and simulation for the migration process

Preconfigured SAP S/4HANA-specific migration content

SAP S/4HANA Migration Cockpit

Automated mapping between source & target

Integrated into SAP Activate methodology

Lower migration time and costs

SAP S/4HANA Migration Cockpit – Migration Approaches

Migrate data using Staging Tables

- Staging Tables are created automatically (either locally or in a remote system)
- Populate Staging Tables with business data
  - Using XML template files is one possibility to populate Staging Tables
  - Using SAP or third-party ETL tools is another possibility to populate Staging Tables
- Transfer data from Staging Tables to target SAP S/4HANA system

Migrate data directly from SAP system

- Transfer data from SAP ERP source system to target SAP S/4HANA system
- Access source system through RFC connection
- Supports data migration scenarios from other applications
  e.g., from SAP Apparel and Footwear to SAP S/4HANA for fashion and vertical business,
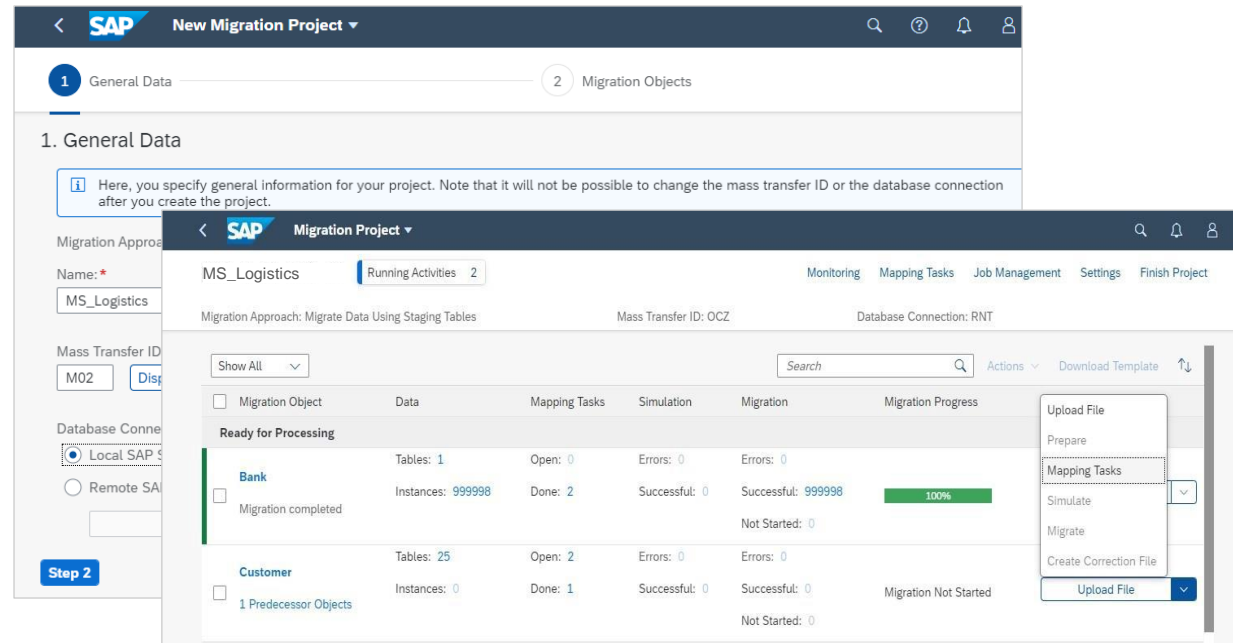 SAP Extended Warehouse Management (SAP EWM) to decentralized EWM

SAP S/4HANA Migration Cockpit – Migrate Data Using Staging Tables
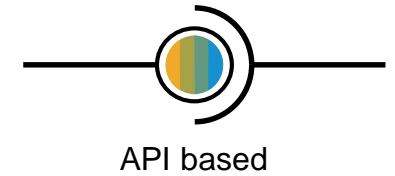
Fiori App
Migrate Your Data

Process & content

Data load

Migrate Your Data
Migration Cockpit

6

Active Migration Proj...

Staging Tables
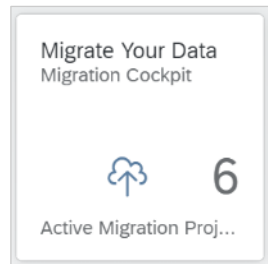
Excel XML template files
or other tools of choice

API based

SAP S/4HANA Cloud,
private edition

SAP S/4HANA

175+ Migration objects

SAP S/4HANA Migration Cockpit – Direct Transfer*

Fiori App
Migrate Your Data

Process & content

Data load

Migrate Your Data
Migration Cockpit

6

Active Migration Proj...

SAP Business
Suite
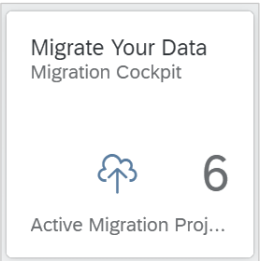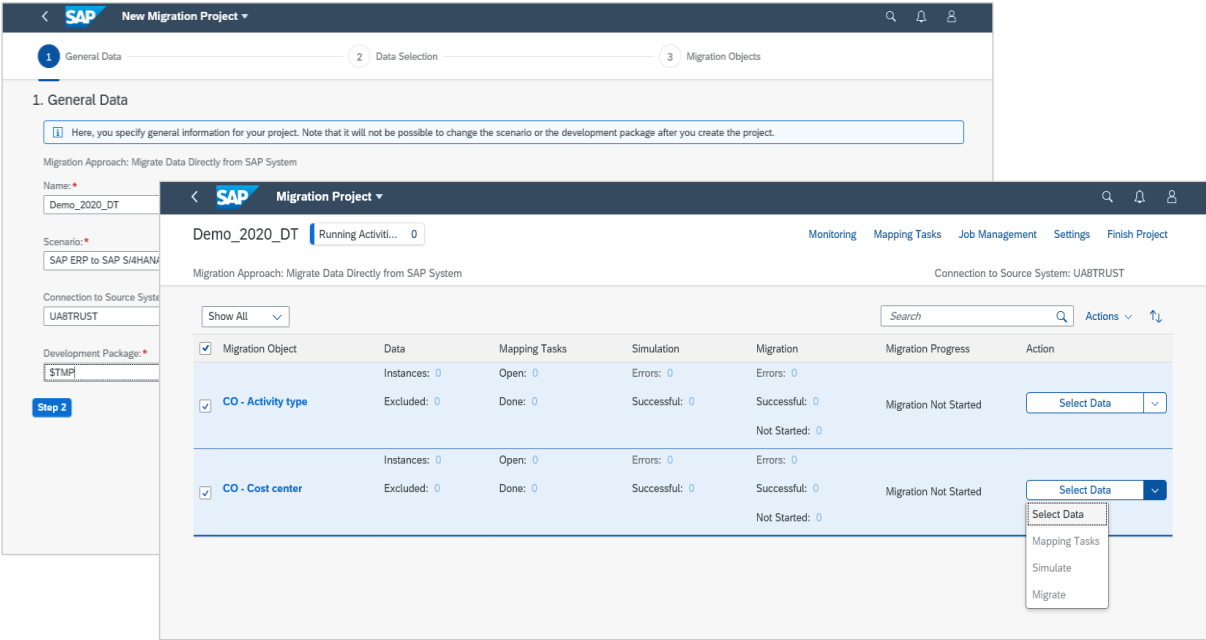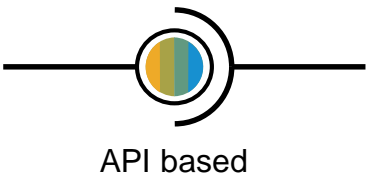
API based
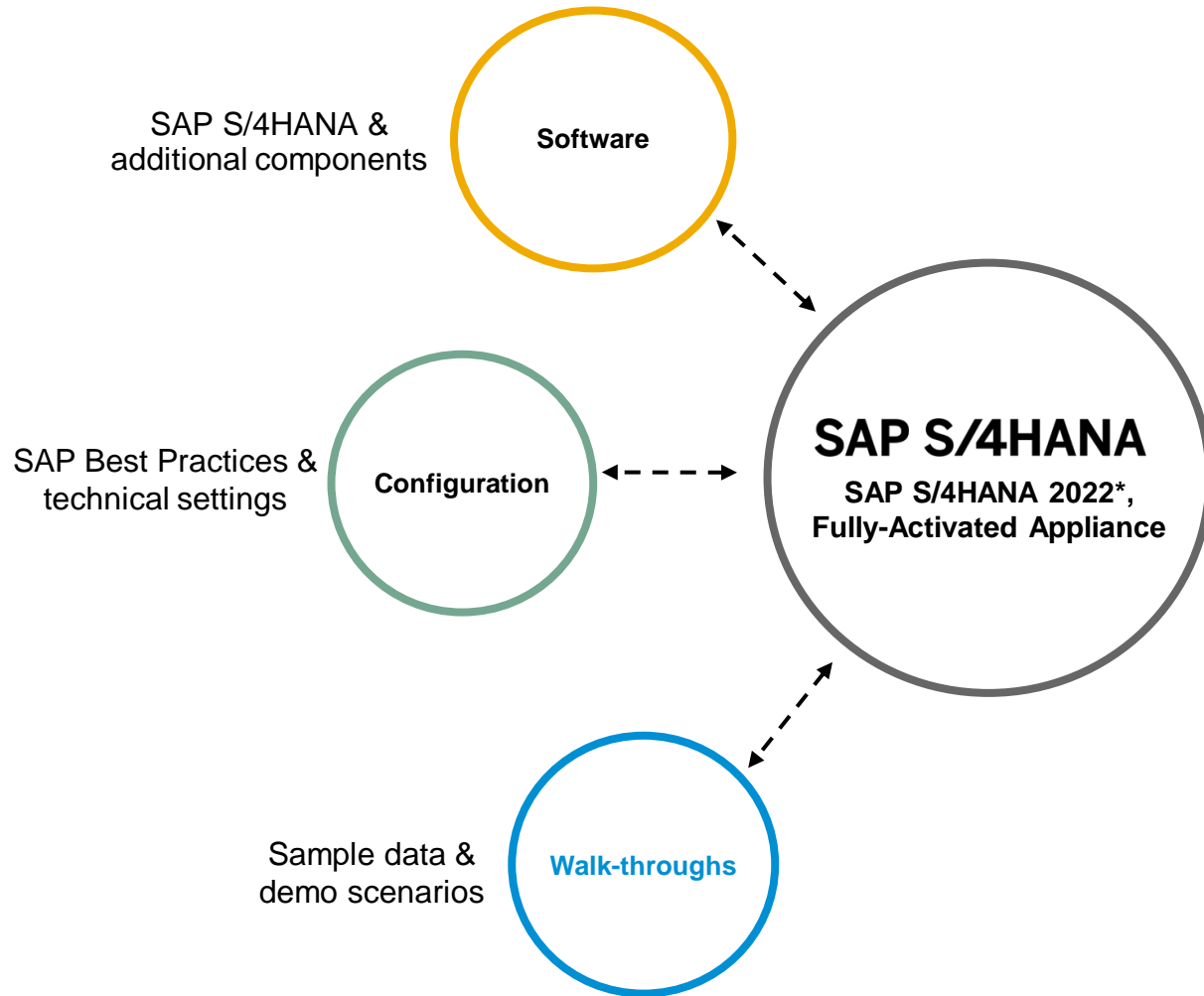
SAP S/4HANA Cloud,
private edition

SAP S/4HANA

250+ Migration objects

* Migration approach "Migrate Data Directly from SAP System

SAP S/4HANA 2022 Fully-Activated Appliance

The Software Appliance Concept

Software

SAP S/4HANA &
additional components

Configuration

SAP Best Practices &
technical settings

SAP S/4HANA

**SAP S/4HANA 2022*,
Fully-Activated Appliance**

Walk-throughs

Sample data &
demo scenarios

**Create your own pre-configured system
in a fraction of the usual setup time**

In 1-2 hours via SAP Cloud Appliance Library
(SAP CAL), hosted in AWS / MS Azure / GCP

In 2-3 days when deploying on own physical
hardware

Use cases:
Trial / Sandbox / PoC / Scoping

Open to customers, partners, public users, and
SAP employees

More information:
- Overview blog
- Demo scenarios
- Try out as S/4HANA 30-day trial
- Detailed How-To videos

*The SAP S/4HANA 2022 SP00 version is planned for end of Q4 2022.
Until then the most recent appliance release (SAP S/4HANA 2021 FPS02) can be used.

SAP S/4HANA Advisory Program
offered by SAP Customer Evolution

**The SAP S/4HANA Advisory Program
will advise you how to successfully transform
from SAP ERP to SAP S/4HANA.**

A named **S/4HANA Expert from the Global Center of Excellence**
in the SAP Customer Evolution Program shares best practices and
facilitates access to SAP Product Management.

The interaction will be remote and typically happen every two weeks.
Available capacity in average is 4-8 hours per month, hence it is
critical for you to prioritize topics.

The offer is free of charge. Please contact your account executive
to check availability.

Focus is on customers who transition to RISE with SAP S/4HANA
Cloud, private edition and are willing to act as a reference.

The program will provide support during your pre-project phase and
is limited to a maximum duration of 12 months.
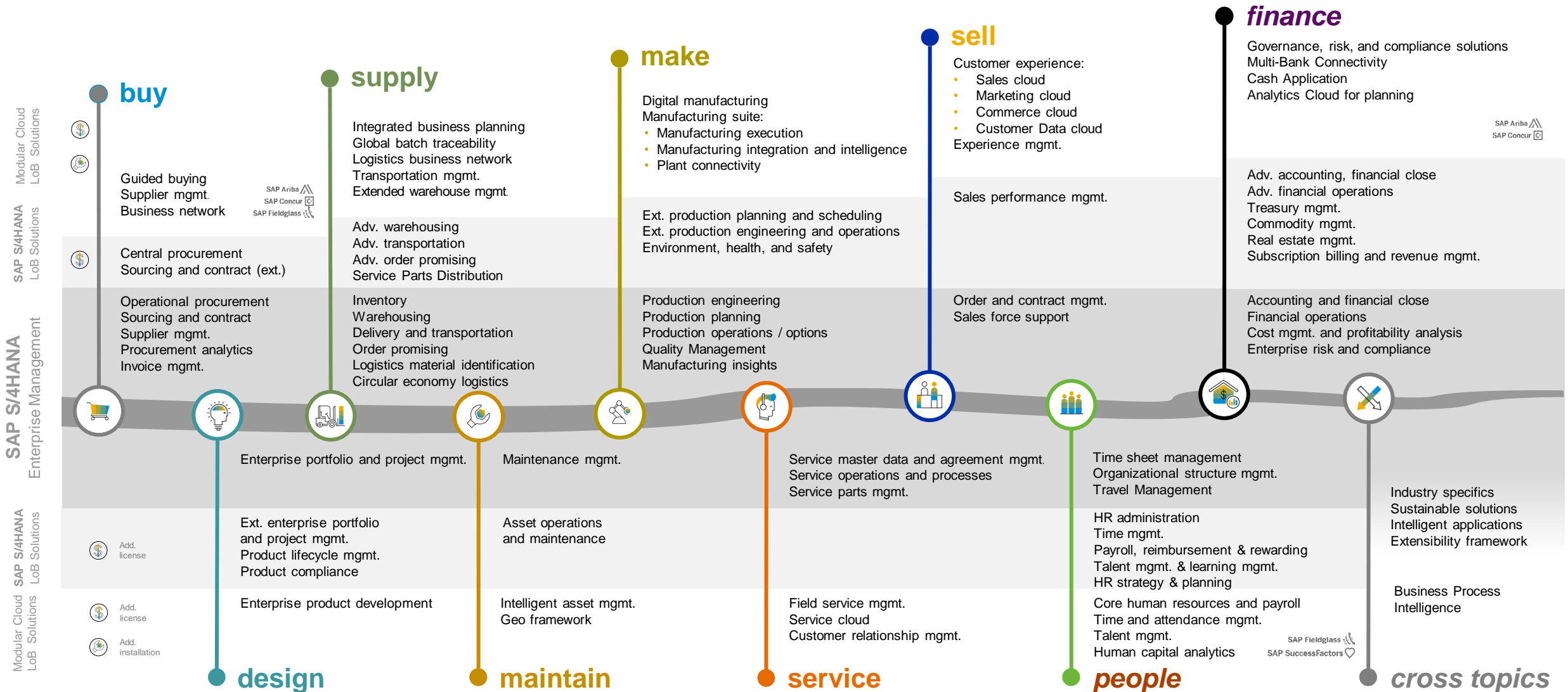
Program Disclaimer & Important Information

- SAP reserves the right to decide which customers are accepted into the program.

- SAP may decide to close the program at any time.

- As part of this program SAP does not take over any project responsibility.

- Default languages are English and German. Other languages can be supported on an exceptional basis.

- SAP will share the most current information. However, SAP does not take over any liability for problems resulting from incomplete information.

- No new developments will be delivered under this program.

SAP S/4HANA release and maintenance news

SAPinsider
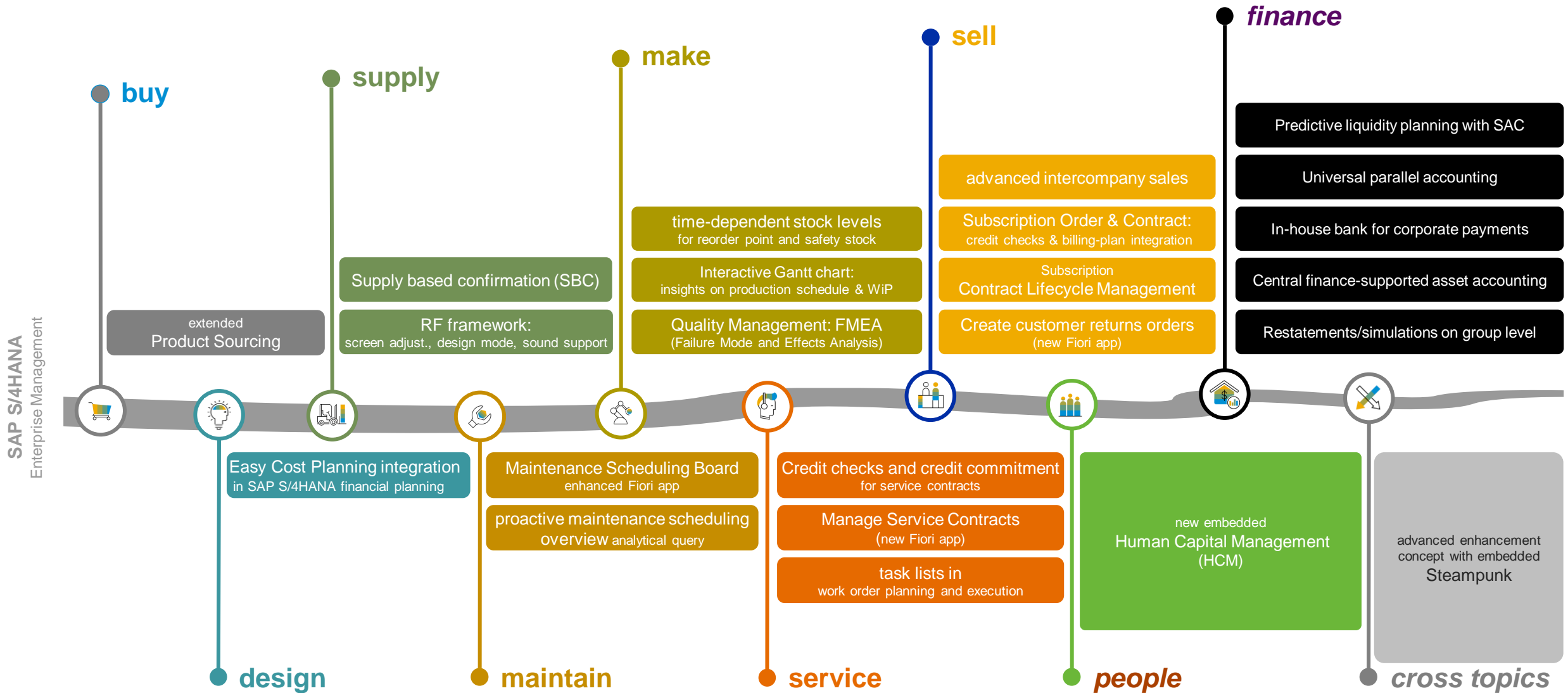
SAP S/4HANA Modular Application Portfolio (MAP)

buy

Modular Cloud LoB Solutions

SAP S/4HANA LoB Solutions
- Guided buying
- Supplier mgmt.
- Business network

SAP Ariba
SAP Concur
SAP Fieldglass

- Central procurement
- Sourcing and contract (ext.)

SAP S/4HANA Enterprise Management
- Operational procurement
- Sourcing and contract
- Supplier mgmt.
- Procurement analytics
- Invoice mgmt.

design

SAP S/4HANA LoB Solutions
Enterprise portfolio and project mgmt.

Modular Cloud LoB Solutions
- Add. license
  - Ext. enterprise portfolio and project mgmt.
  - Product lifecycle mgmt.
  - Product compliance
- Add. license
  - Enterprise product development
- Add. installation

supply
- Integrated business planning
- Global batch traceability
- Logistics business network
- Transportation mgmt.
- Extended warehouse mgmt.

- Adv. warehousing
- Adv. transportation
- Adv. order promising
- Service Parts Distribution

- Inventory
- Warehousing
- Delivery and transportation
- Order promising
- Logistics material identification
- Circular economy logistics

make
Digital manufacturing
Manufacturing suite:
- Manufacturing execution
- Manufacturing integration and intelligence
- Plant connectivity

- Ext. production planning and scheduling
- Ext. production engineering and operations
- Environment, health, and safety

- Production engineering
- Production planning
- Production operations / options
- Quality Management
- Manufacturing insights

maintain
Maintenance mgmt.

- Asset operations and maintenance

- Intelligent asset mgmt.
- Geo framework

service

- Service master data and agreement mgmt.
- Service operations and processes
- Service parts mgmt.

- Field service mgmt.
- Service cloud
- Customer relationship mgmt.

sell
Customer experience:
- Sales cloud
- Marketing cloud
- Commerce cloud
- Customer Data cloud
Experience mgmt.

Sales performance mgmt.

- Order and contract mgmt.
- Sales force support

people
- Time sheet management
- Organizational structure mgmt.
- Travel Management

- HR administration
- Time mgmt.
- Payroll, reimbursement & rewarding
- Talent mgmt. & learning mgmt.
- HR strategy & planning

- Core human resources and payroll
- Time and attendance mgmt.
- Talent mgmt.
- Human capital analytics

SAP Fieldglass
SAP SuccessFactors

finance
- Governance, risk, and compliance solutions
- Multi-Bank Connectivity
- Cash Application
- Analytics Cloud for planning

SAP Ariba
SAP Concur

- Adv. accounting, financial close
- Adv. financial operations
- Treasury mgmt.
- Commodity mgmt.
- Real estate mgmt.
- Subscription billing and revenue mgmt.

- Accounting and financial close
- Financial operations
- Cost mgmt. and profitability analysis
- Enterprise risk and compliance

cross topics
- Industry specifics
- Sustainable solutions
- Intelligent applications
- Extensibility framework

- Business Process Intelligence

SAP S/4HANA 2022 and beyond

SAP S/4HANA

Release	2021	2022		2023*		2025*	2027*
Application	Adv. Shipping & Receiving	Adv. Intercompany Sales	Enh. Maintenance Scheduling Board	Capable-to-Promise (aATP)	Value Chain Analysis for Proc.	Enhanced Sustainability	tbd
	Sales Order Automation	Complex Services (Central Proc.)	Interaction Center (imp. for Utilities)	Asset-centric Service	Projects in Solution Order	Complex Assets	tbd
	Collaborative MRP	Supply-based Confirmation	HCM on SAP S/4HANA	Safety Data Sheet Authoring	Service Mgmt. for Utilities	Enh. Sales Order Scheduling	tbd
Technology	Rise with SAP	Embedded Steampunk		FPS Toggle Framework		Central Business Configuration	?

S/4HANA Innovation Highlights 2022

2022

buy

supply

make

sell

finance

SAP S/4HANA
Enterprise Management

Predictive liquidity planning with SAC

advanced intercompany sales

Universal parallel accounting

time-dependent stock levels
for reorder point and safety stock

Subscription Order & Contract:
credit checks & billing-plan integration

In-house bank for corporate payments

Supply based confirmation (SBC)

Interactive Gantt chart:
insights on production schedule & WiP

Subscription
Contract Lifecycle Management

Central finance-supported asset accounting

extended
Product Sourcing

RF framework:
screen adjust., design mode, sound support

Quality Management: FMEA
(Failure Mode and Effects Analysis)

Create customer returns orders
(new Fiori app)

Restatements/simulations on group level

Easy Cost Planning integration
in SAP S/4HANA financial planning

Maintenance Scheduling Board
enhanced Fiori app

Credit checks and credit commitment
for service contracts

new embedded
Human Capital Management
(HCM)

advanced enhancement
concept with embedded
Steampunk

proactive maintenance scheduling
overview analytical query

Manage Service Contracts
(new Fiori app)

task lists in
work order planning and execution

design

maintain

service

people

cross topics

New Business Processes in SAP S/4HANA

Supporting the requirements of a digital economy

- capabilities for service-based business and the combination of tangible and non-tangible products

- supporting new industry trends like "contribution-based formulation" or "DDMRP"

- increased organizational flexibility with easy to manage framework

- new algorithms to support complex scenarios around the "unit of one"

buy

supply

make

sell

finance

Image-based buying

Enterprise Contract Mgmt.

Ext. Service Parts Planning

Advanced ATP

DDMRP

Predictive Accounting

Group Reporting

Solution Bill.

Intern. Trade

Stlmt. Mgmt.

Compliance Framework

Direct Delivery

Predictive MRP

Product Compliance

Software Mgmt.

Adv. Variant Config.

Recipe Mgmt.

Rep. & Repair Malfunction

Solution portfolio

Responsibility Mgmt.

GDPR Tools

design

maintain

service

people

cross

Out-of-the-Box Integration with SAP S/4HANA

SAP S/4HANA is at the core of SAP's
next generation ERP suite

SAP supports customers in seamlessly integrating complementary solutions and business networks by:

- providing SAP Best Practices for the most common integration scenarios

- delivering a coherent User Experience across the entire SAP portfolio via the SAP Fiori Launchpad

- driving business object consistency across the various solutions

- supporting integrated processes with a harmonized pricing model

Out-of-the-Box Integration with SAP S/4HANA

Notifications

Web apps

Native apps

Web links

News feeds
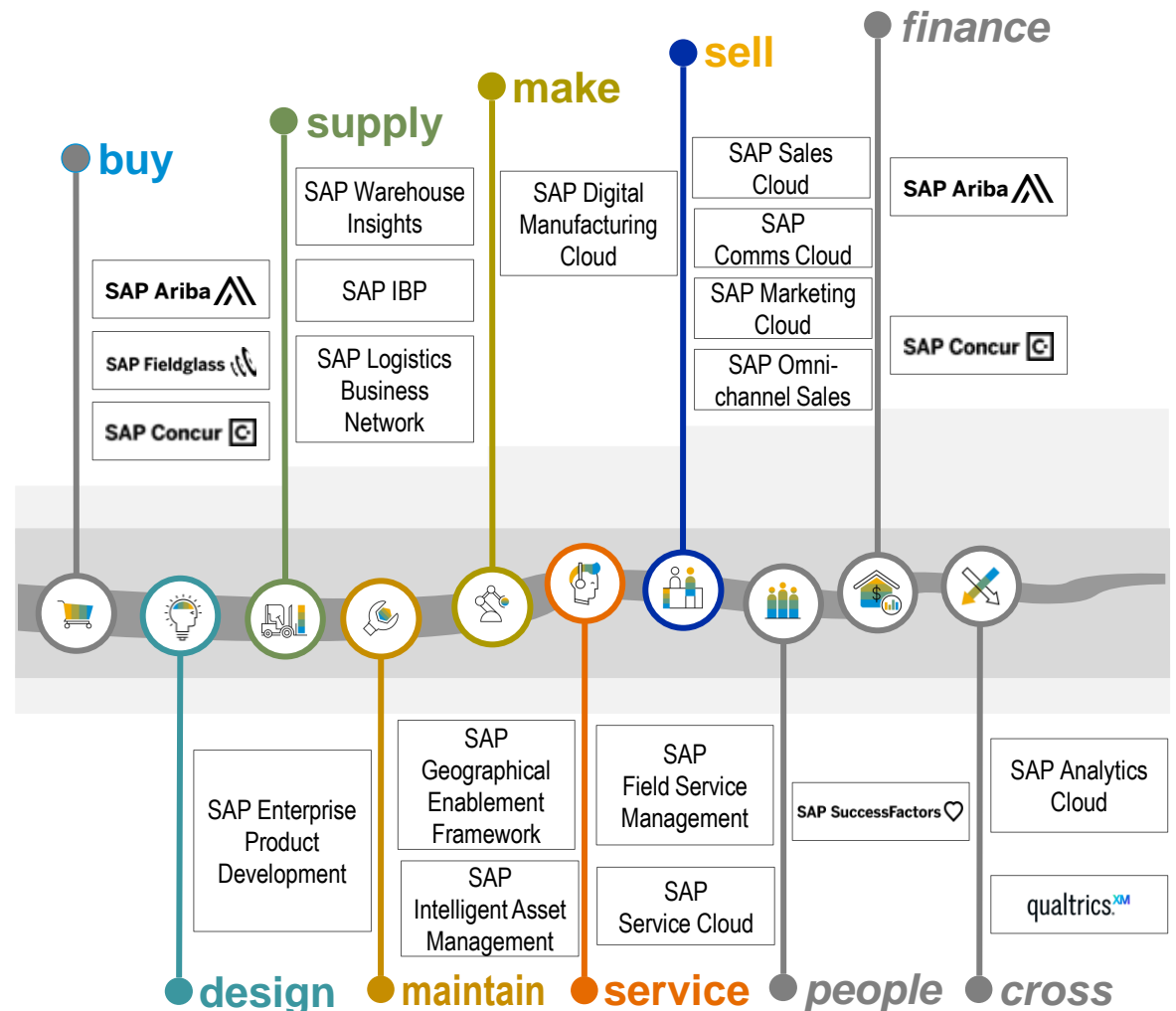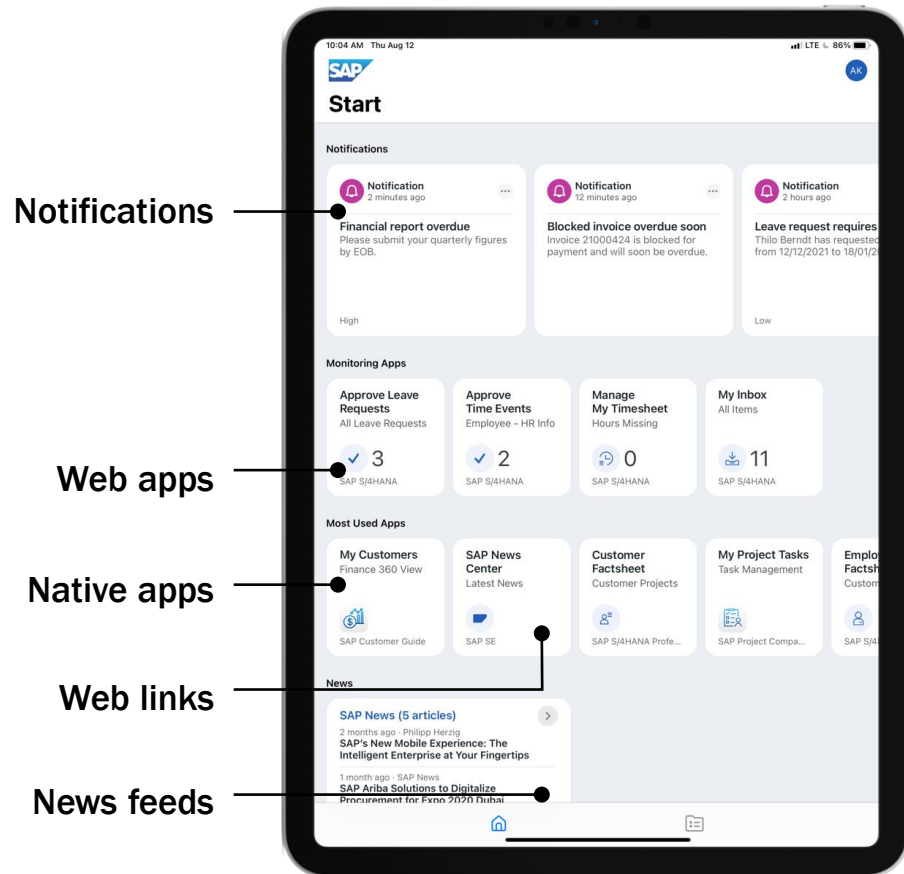
Native Entry Point

- Instant **mobile access** to the Intelligent Enterprise Suite

- Native launchpad to access **native and web apps** mobile on iOS devices

Deep UX Integration

- Spotlight search for **app content**

- Widgets to **monitor** important content

- Native notification to **react instantly**

Tailored Content

- Maximized focus on role-specific topics through **persona-centric** content

- **Personalized** mobile User Experience

Improve End User Productivity   **Connect Anywhere**   **Set Up Easily**

SAP S/4HANA Sales: Advanced Intercompany Sales

advanced intercompany sales

- **Highly automated end to end process** – fully integrated with:
  - Available-to-Promise check (ATP)
  - Material Requirements Planning (MRP)
  - Product Compliance
  - Trade Compliance
  - Transportation Management
  - Support of IFRS 15 compliance for handling revenue recognition and Cost Of Goods Sold (COGS)
  - Product Costing
  - Profitability reporting across legal entities
  - Group Reporting / Consolidation

- **Change** in the customer-facing sales order will **automatically update all follow-up documents.**

- **Purchase Order** in the Selling Company enables landed cost in product costing for the selling company

- **End to end value chain and process monitor**
  Ensures process transparency with the ability to monitor document postings and to detect issues
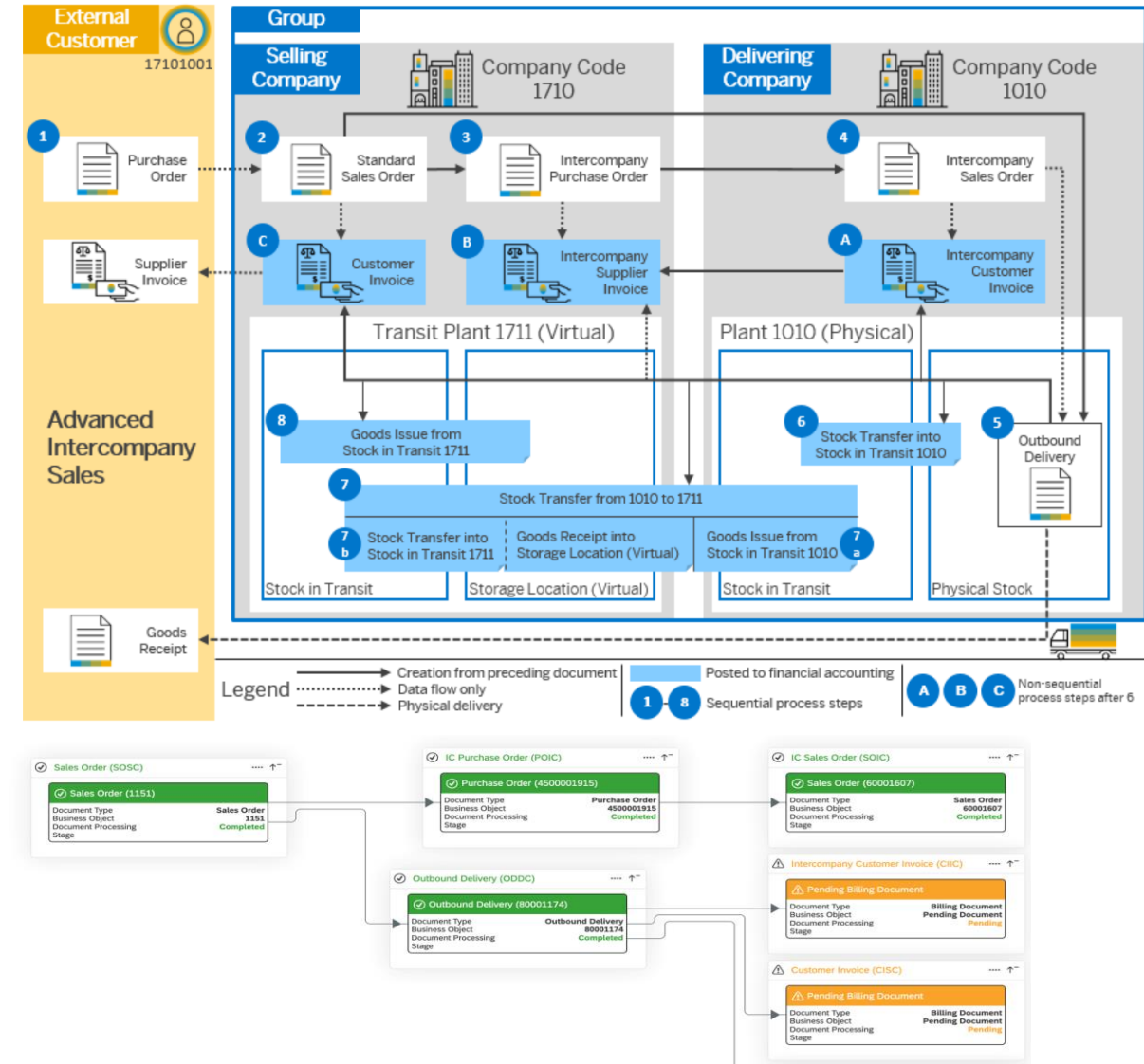
SAP S/4HANA Sourcing and Procurement:
Advanced Intercompany Processing – Value Chain Monitoring App

Message log to resolve issue(s)

SAP S/4HANA Warehouse Management

Unified Package Builder

- Build packages according to different available **packaging master data and engines**

- Use existing packaging settings **more flexibly** in a broader range of business processes

- Leverage the **optimization capabilities** of Package Builder Optimizer in additional scenarios

- Create related **business documents** on the fly via Unified Package Builder

Defined Unified Package Building Profile

SAP S/4HANA Logistics Processes

Transportation Management   Core Logistics   Extended Warehouse Management

Unified Package Building

| Package Building Engine | Packaging Instruction Engine | Packaging Specification Engine |
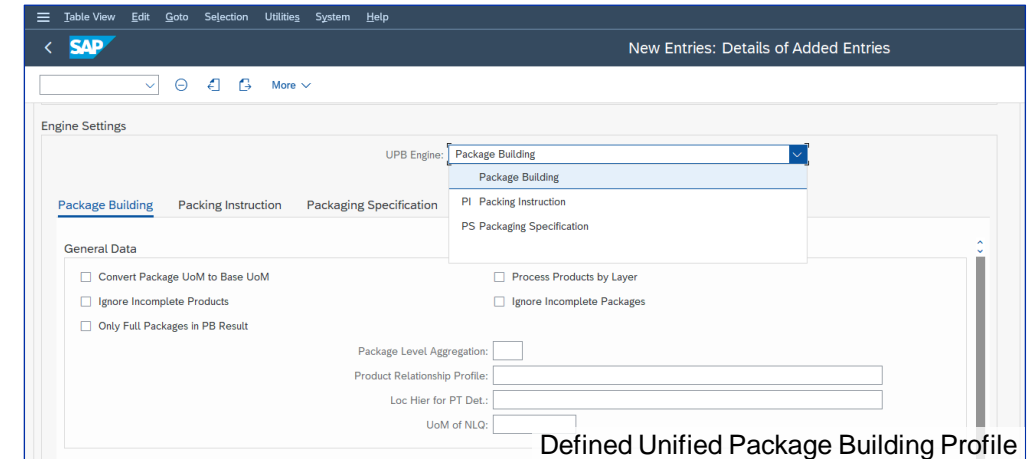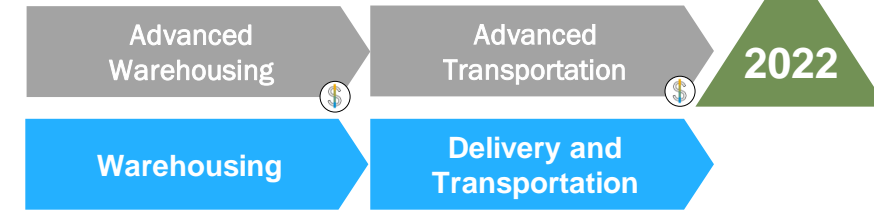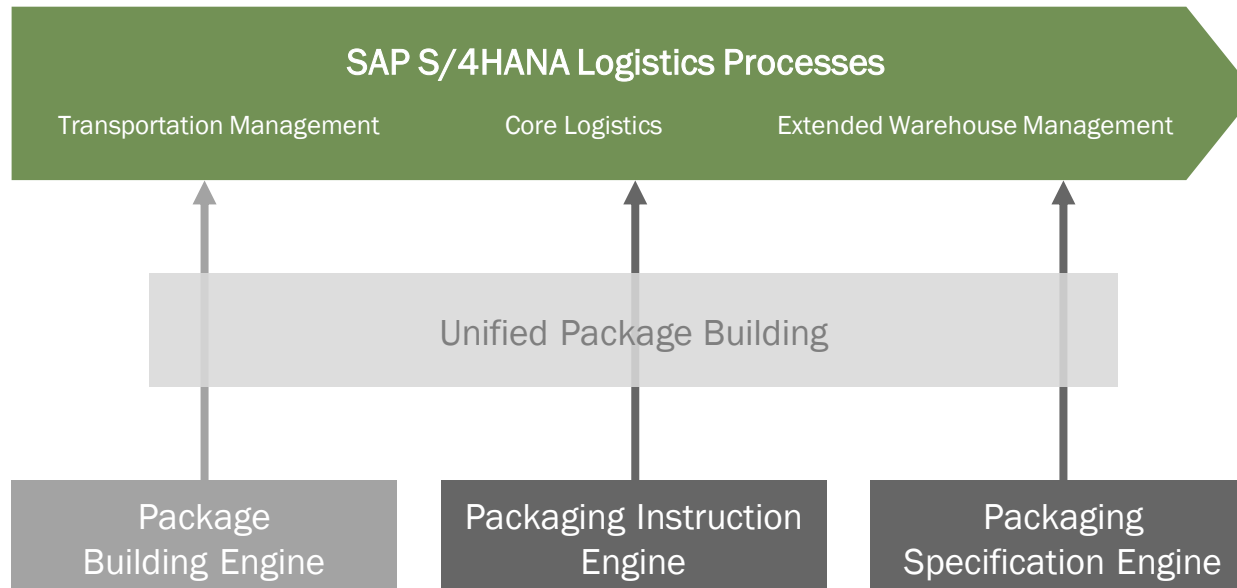
Processes consuming UPB in 2022 release

SAP S/4HANA Transportation Management

- Maintenance & re-use in different planning profiles

- More Input Fields for EWM and LO Processes

- Usage of Packing Instruction

SAP S/4HANA Extended Warehouse Management

- RF receiving from supplier

- Auto pack of inbound deliveries for classical pack work center (/SCWM/PACK) as well as for the Fiori App "Change Inbound Delivery

SAP S/4HANA Manufacturing:
Time dependent Safety Stock and Reorder Point

Executive Summary

1) Dynamic definition for Safety Stock and Reorder Point   (Time series for previously static master data)

2) Define phases for temporary adjustment of inventory levels   (e.g. for campaigns or seasonal trends)

3) No ongoing adjustment of master data required   (less data maintenance required)
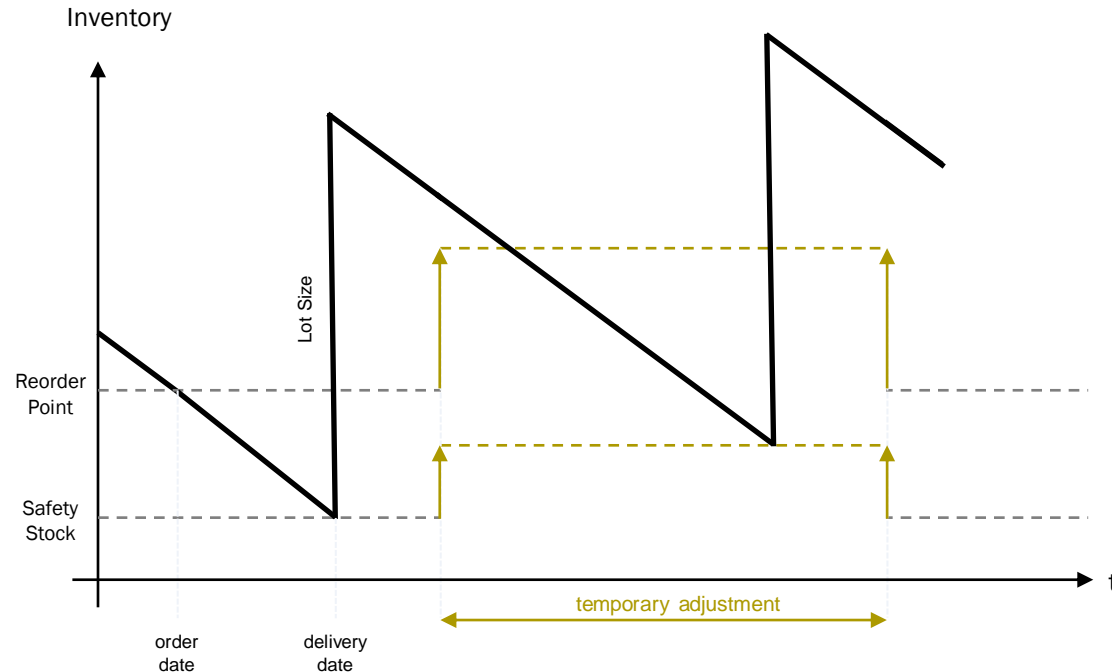
232358
Yarn

MRP Plant: 0001
MRP Type: PD (MRP)
MRP Safety Stock Method: MB (Time-Dependent Safety Stock)

Validity Intervals

Validity Intervals (3)

	Date From	Date To	Safety Stock	Reorder Point
○	01.11.2022	30.11.2022	300 EA	600 EA
○	01.12.2022	28.02.2023	500 EA	800 EA
○	01.03.2023	31.12.9999	300 EA	600 EA

Time-Dependent Stock Levels

SAP S/4HANA QM: **Failure Mode and Effects Analysis (FMEA)**

Executive Summary

1) Risk Analyses for Quality Management issues
2) Define probability, that a specific QM issues occurs
3) Narrow down the effects on costs, timeline, safety, trust, etc., of the respective quality issue
4) Visualize and mitigate

FMEA Visualization
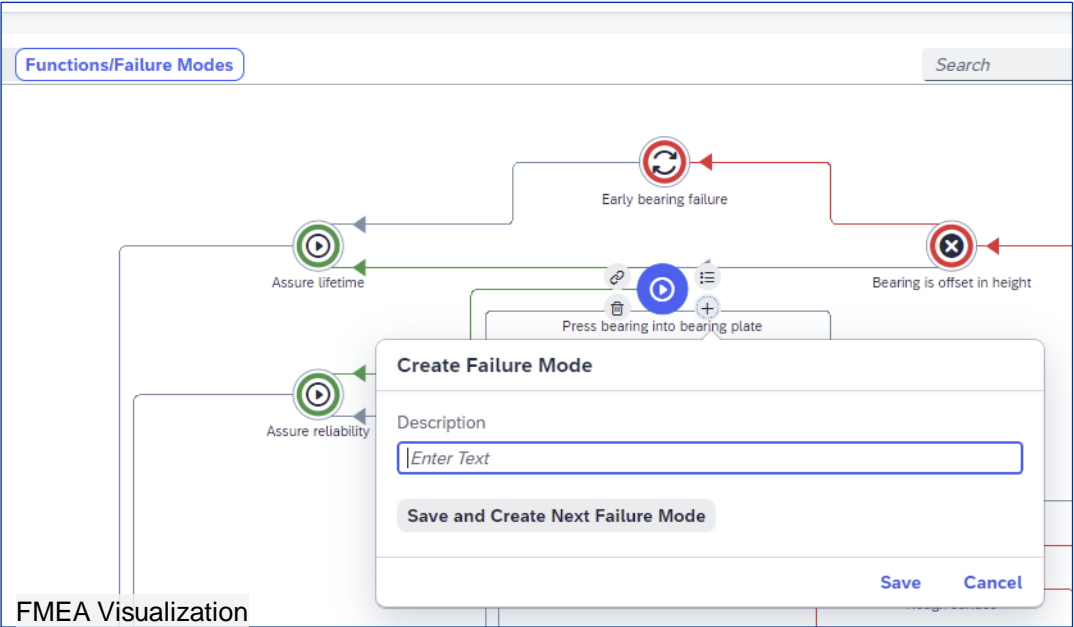
Failure Mode and Effects Analysis

Description | **Configuration Steps** | Comments

Step Name	Status	Mandatory	Redo in P System	ID	Actions
1. Define Valuation Specifications	Open / Set Status	Optional	No	105723	Configure ∨
2. Define Default Valuation Profiles for FMEA Action Types	Open / Set Status	Recommended	No	105935	Configure ∨
3. Define FMEA Types	Open / Set Status	Optional	No	105730	Configure ∨
4. Data Objects: Define Residence Time	Open / Set Status	Optional	No	105736	Configure ∨
5. Define FMEA Authorization Groups	Open / Set Status	Optional	No	105724	Configure ∨
6. Define Risk Matrixes	Open / Set Status	Optional	No	105732	Configure ∨
7. Define Risk Analysis Profiles	Open / Set Status	Optional	No	105734	Configure ∨

SAP Financial Compliance Management

SAP Financial Compliance Management allows to centralize and automate tax checks, remediation and improve the quality of tax data by addressing the issues at the source.

New controls for Tax Management NEW 2022

	Supplier Without VAT Registration	Tax Amount Above Threshold	Postings without Tax Codes
Description	The check identifies all suppliers for whom no VAT ID is recorded.	This check identifies B2B customer invoices with a VAT amount greater than a certain amount (the default is 10,000 in local currency).	This checks identify the list of documents that do not have a tax code entered.
Why this Control?	This control helps to identify suppliers with missing VAT registration value, and as result postings to this suppliers can be hold required data are maintained and verified.	This controls helps to identify and validate high value transactions and avoid unnecessary manual effort.	This controls helps to identify any business transactions without tax code to ensure reporting is accurate and complete.
Logic	VAT Registration field is checked, and record is returned if field is empty.	The amount can individually be set (the default that is predefined is 10,000 in LC). Account type: Debit. Time selection field: Posting Date.	The compliance check "Postings without Tax Codes" returns documents that do not have a tax code entered in the MWSKZ field.

SAP S/4HANA Human Resources: Innovation and Simplification

SAP ERP HCM and
SAP HCM in SAP S/4HANA
Compatibility Package

SAP Human Capital Mgmt.
for SAP S/4HANA

+

Innovation
see SAP Roadmap Explorer
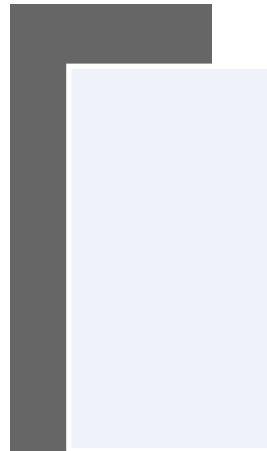
1 Conversion / Upgrade to
SAP S/4HANA 2022

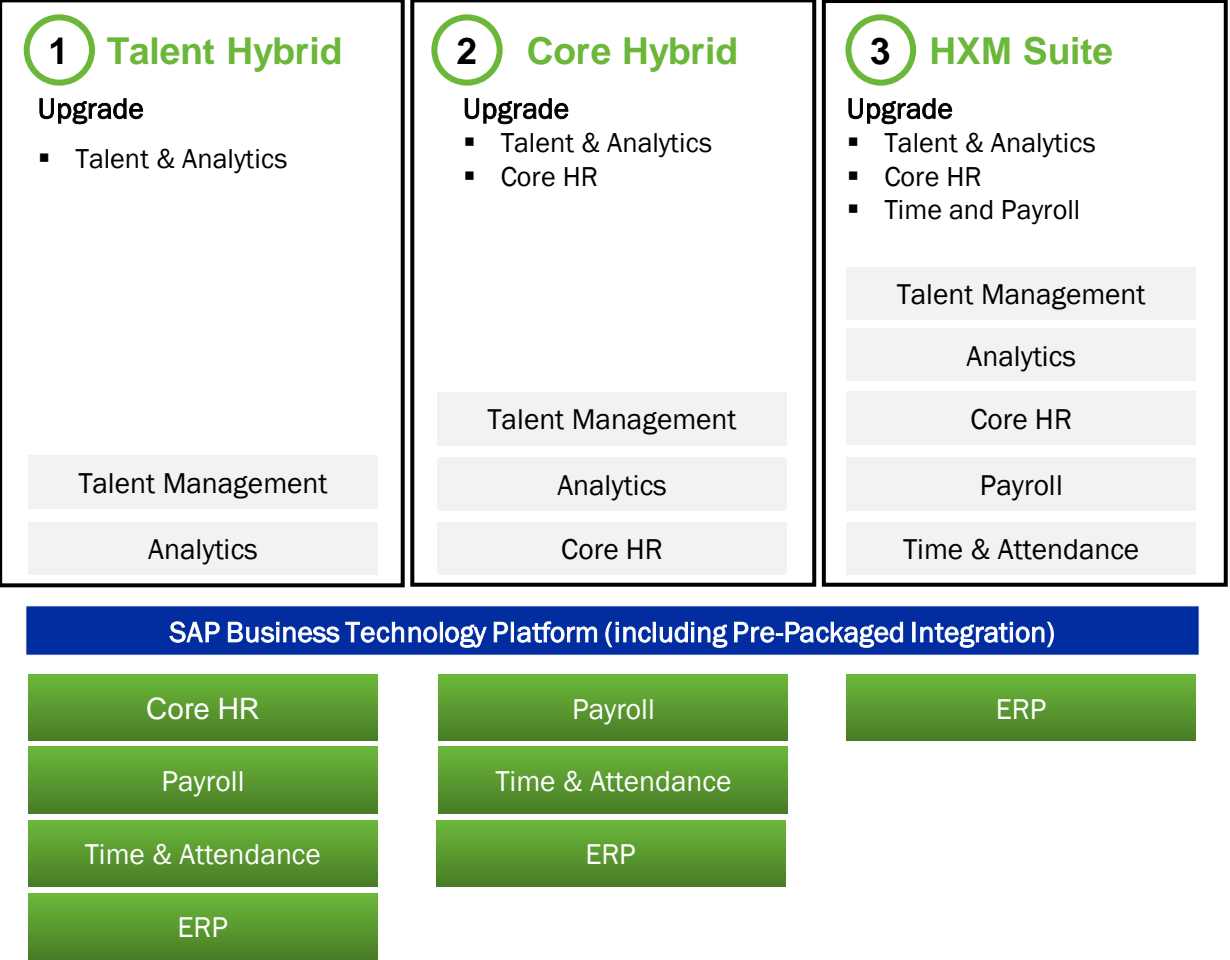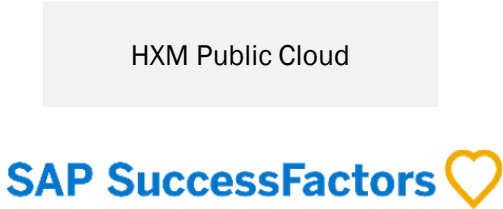Feature Scope Description

2 Activation of
Business Function
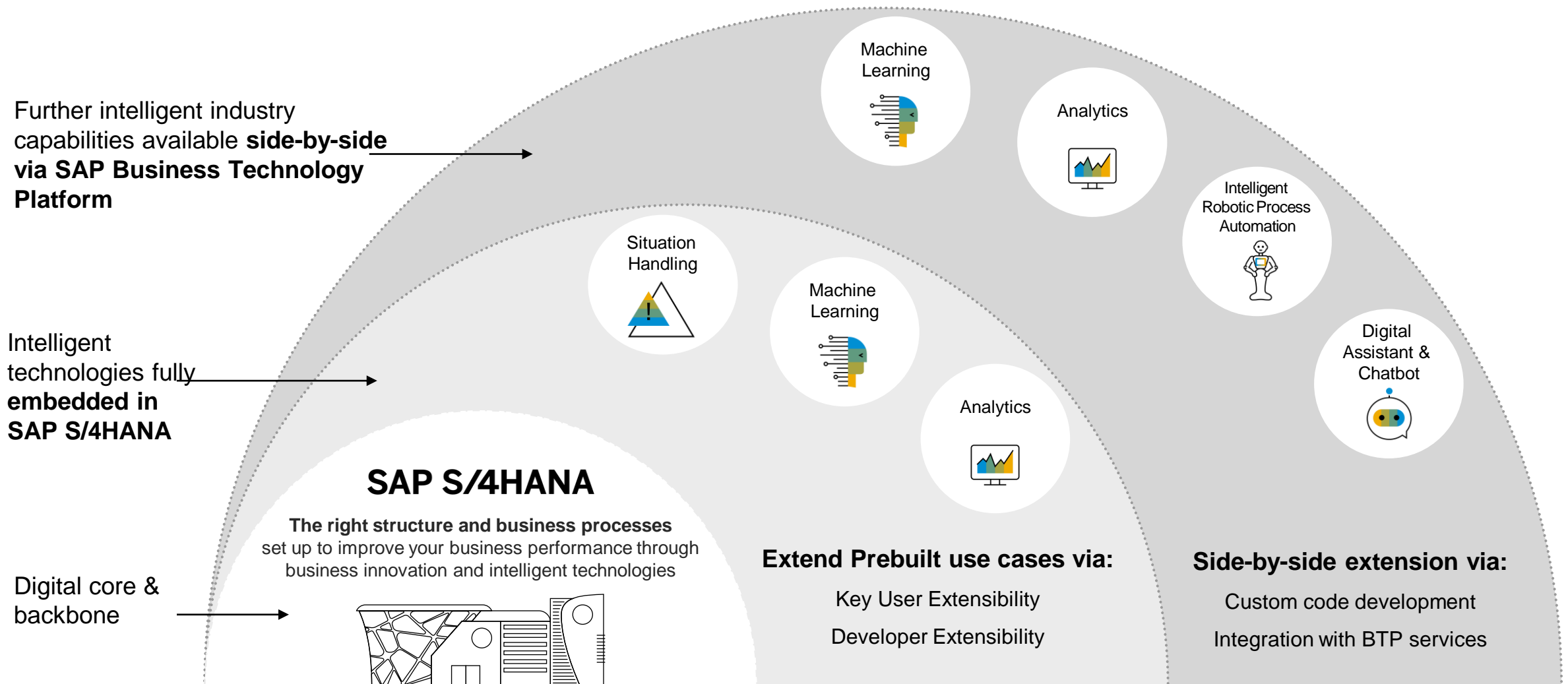
−

Simplifications
see SAP Note 3091160

Important SAP notes:

- SAP Note 2273108
- SAP Note 2269324

- SAP Note 3091160
- SAP Blog SAP HCM for S4

SAP S/4HANA Human Resources:
Human Experience Management transformation options

- Move HCM to Public Cloud via 3 deployment options

HXM Public Cloud

SAP SuccessFactors

SAP S/4HANA Cloud, Private Edition

SAP ECC or SAP S/4HANA (On Premise)

① Talent Hybrid

Upgrade
- Talent & Analytics

Talent Management

Analytics

② Core Hybrid

Upgrade
- Talent & Analytics
- Core HR

Talent Management

Analytics

Core HR

③ HXM Suite

Upgrade
- Talent & Analytics
- Core HR
- Time and Payroll

Talent Management

Analytics

Core HR

Payroll

Time & Attendance

SAP Business Technology Platform (including Pre-Packaged Integration)

Core HR	Payroll	ERP
Payroll	Time & Attendance	
Time & Attendance	ERP	
ERP		

SAP S/4HANA and SAP Business Technology Platform (SAP BTP)

Further intelligent industry capabilities available **side-by-side via SAP Business Technology Platform**

Intelligent technologies fully **embedded in SAP S/4HANA**

Digital core & backbone

Machine Learning

Analytics

Intelligent Robotic Process Automation

Situation Handling

Machine Learning

Digital Assistant & Chatbot

Analytics

SAP S/4HANA

The right structure and business processes set up to improve your business performance through business innovation and intelligent technologies

Extend Prebuilt use cases via:

Key User Extensibility

Developer Extensibility

Side-by-side extension via:

Custom code development

Integration with BTP services

Responsibility Management in SAP S/4HANA

A functionality which helps determine the **responsible contacts within the organization** for various contexts in order to address tasks and activities, along the working structure and, dimensions of the respective lines of business.
Define responsibilities in terms of **teams consisting of team members with assigned functions** and refer to these structures in frameworks like **workflows and situation handling**.

Manage Teams and Responsibilities

Manage Team Hierarchies

Team

Agility through flexible adaption of responsibilities and hierarchies allowing to alignment with business processes.

Centralized monitoring of responsibilities to directly react to organizational changes without disrupting processes.

Reduced implementation efforts and more flexibility with intuitive user interface allowing key users to do edits.

Responsibility Management in Business Processes

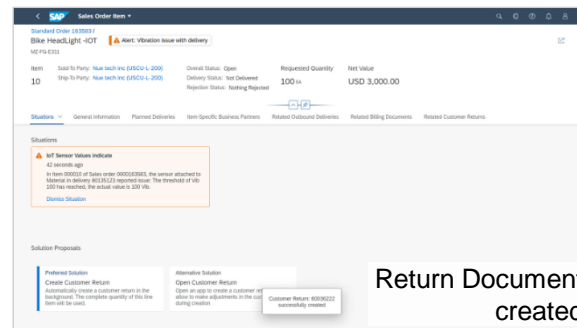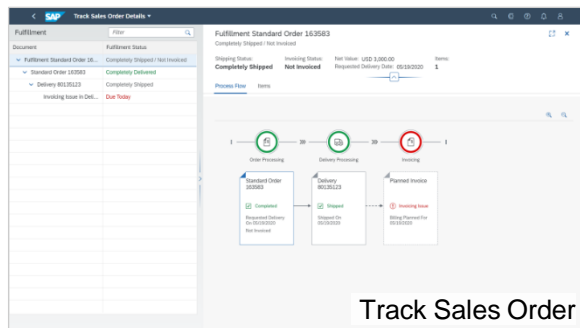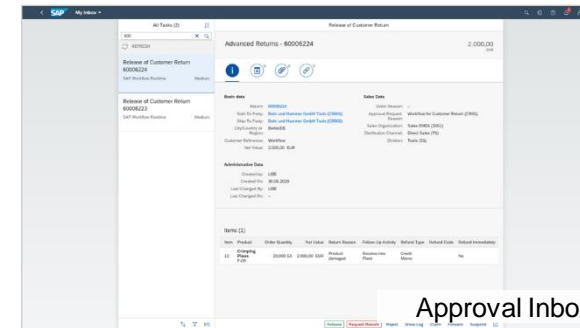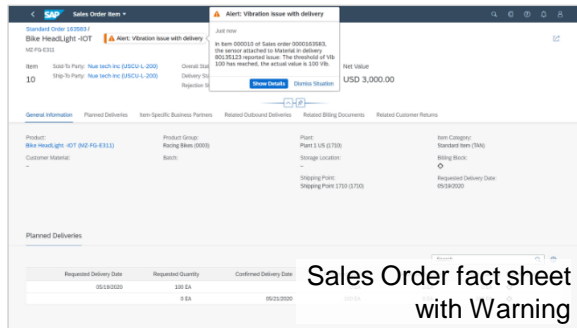Ship the delivery $\dashrightarrow$ Receive abnormal situation warning $\dashrightarrow$ Trigger customer return process $\dashrightarrow$ Approve return request $\dashrightarrow$ Compensate customer (credit memo/repl. material)

Sales Order fact sheet with Warning

Approval Inbox

Track Sales Order

Return Document created

Return Process Flow
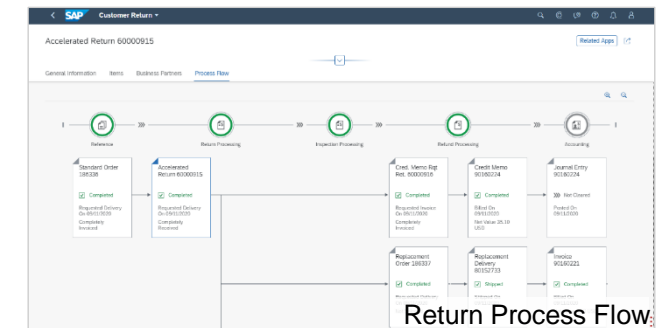
Responsibility Management	**Situation Handling**	**Business Workflow**
• Flexibly maintains responsibilities for team members • Integrates with workflow and situation handling • Supports complex scenarios (hierarchies) to determine the responsible recipients	• Brings urgent issues to the attention of business users, who can react to notifications immediately received • Optimize business processes by enabling automation and machine learning	• Synchronize and proactively deliver work in the right sequence at the right time to the right people • Business departments can model, configure and administrate the workflows • The difference to Suite Workflow blog

Responsibility Management for Situation Handling

Manage Teams and Responsibilities

Manage Situation Types
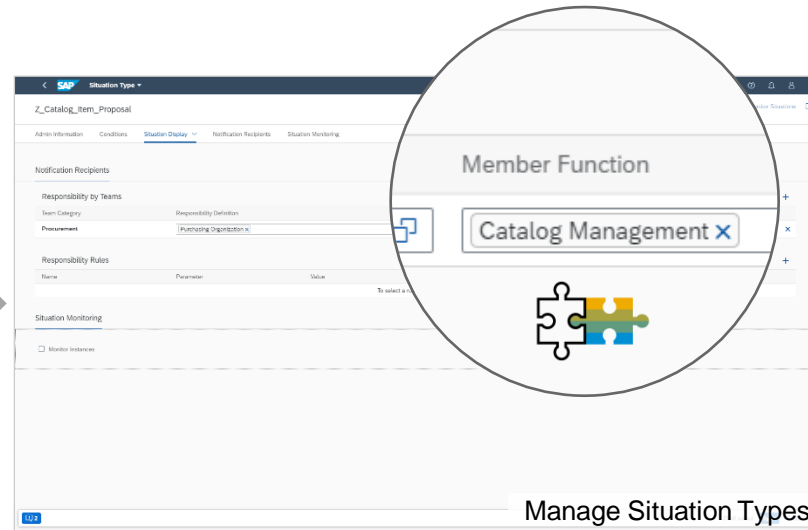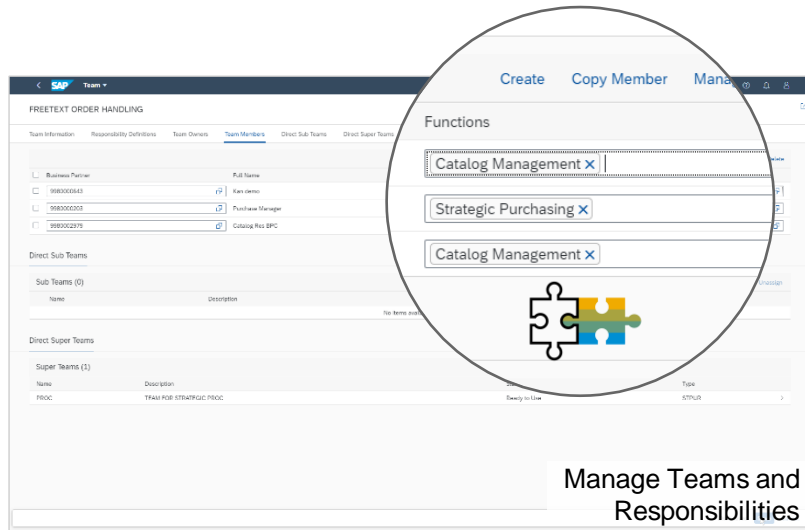
- Add users (Business Partners) to logical teams serving dedicated functions

- Define the recipients of Situation Handling Notifications via defined teams and functions

**User
(Business Partner)**

Fiori Launchpad with Situation Handling Notification
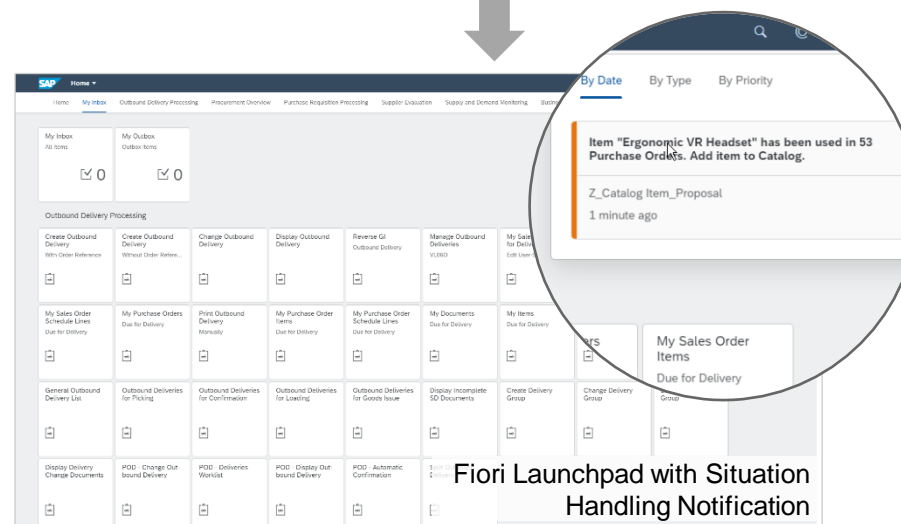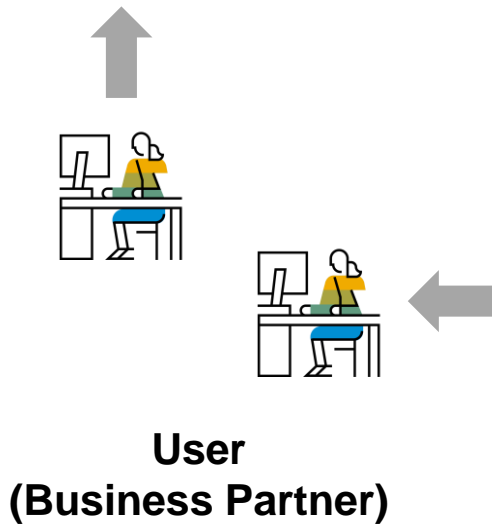
- Flexible management of teams, hierarchies, and responsibilities

- Monitoring and changes to team structure in one central place

- Decoupling of business partners from ultimate function for more resilient business processes

Situation Handling – Configuration and End User Apps
Standard and Extended Framework

Extended Framework
for custom use cases

Standard Framework

Notification

Manage Situation
Objects

Manage Situation
Scenarios

Manage Situation
Types

My Situations

Manage Situation
Types - Extended

My Situations -
Extended

Learn more in the SAP Help Portal
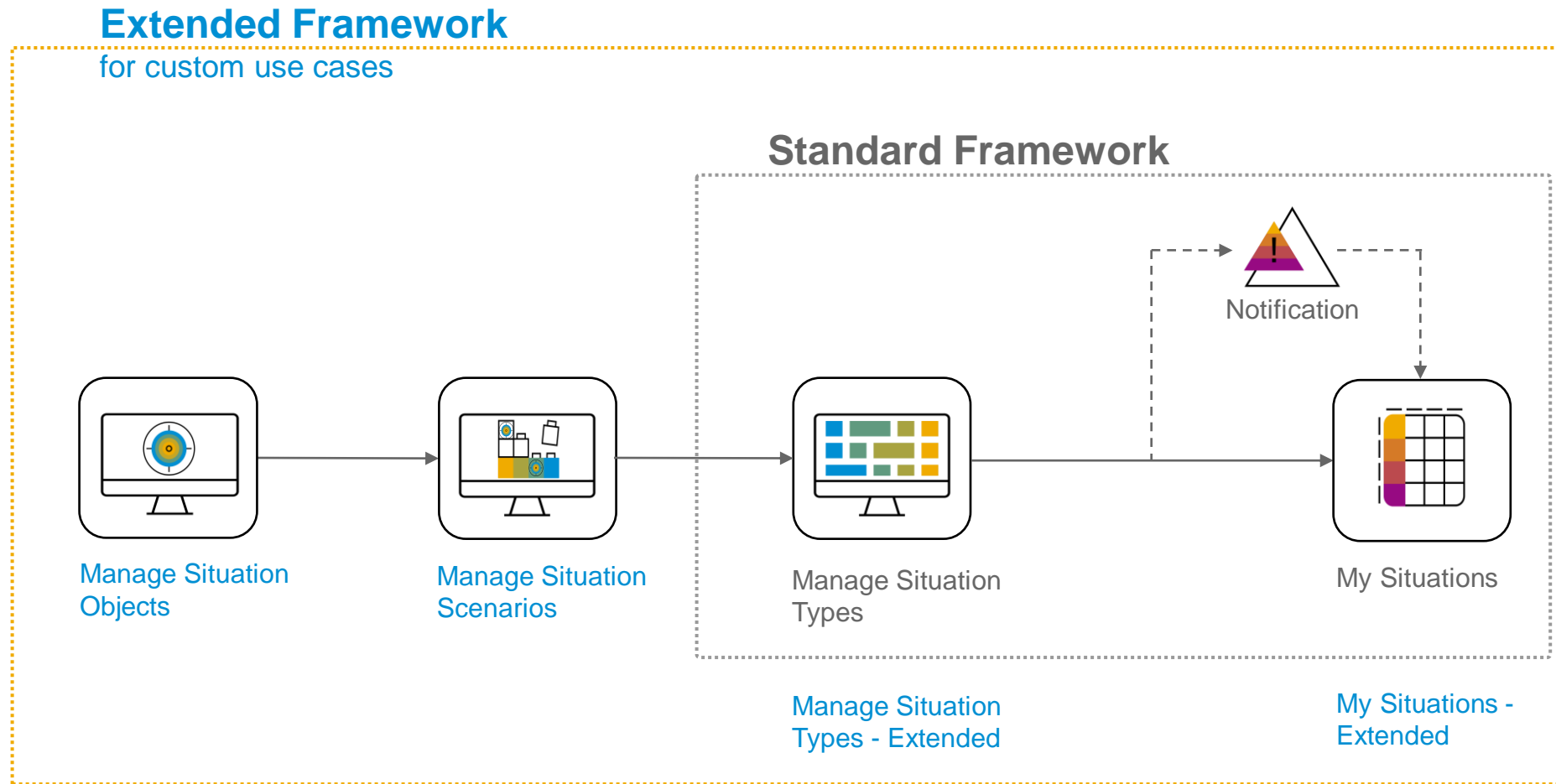
Situation Handling & Situation Handling Automation

Situation Handling Automation

Situation Handling

IDENTFY
Automatically identify urgent and important issues

NOTIFY
Bring situations to the right groups of users

SOLUTION PROPOSAL
Intelligent support to make the right decisions

MONITOR
Monitor and adjust the situations

Situation Handling in SAP S/4HANA
doesn't require any additional license.

+

AUTOMATE
Automated resolution based on configured rules and/or AI functions

MONITOR
Monitor and adjust the situations/resolutions

Intelligent Situation Automation in SAP BTP
requires an additional license.
Get started for free via Free Tier Model.

SAP governance, risk, and compliance (GRC) solutions
How SAP Helps Customers Address GRC Requirements

Reimagine Compliance

Combined Assurance

Governance, risk, compliance, and security solutions

SAP Process Control 💲

Use assessments and surveys for ownership, status, and data protection impacts. Manage and monitor policies and controls.
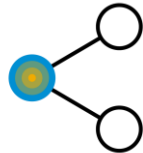
SAP Risk Management 💲

Automate risk strategy and planning, risk identification, risk analysis, and risk monitoring. .

SAP Access Control 💲

Control or block user access to sensitive data and business processes. Support compliant user provisioning.

SAP Audit Management 💲

Streamline internal auditing with mobile capabilities to simplify activities such as documentation of evidence, organization of electronic working papers, and creation of audit reports.

SAP governance, risk, and compliance solutions: GRC – SOX Requirements

Sharing vision, information, and responsibility across the enterprise

SAP Risk Management ⓢ

- Driven by business and **focused on performance**

- **Shared view of risk** to enable real-time decision support

SAP Process Control ⓢ

(target: large enterprises with complex SOX requirements)

- **Risk-driven implementation** of policies and controls

- Assigned roles and **accountability for adequate oversight** without redundancy and gaps

- **Automation and intelligent technologies to streamline** and continuously improve processes

| Operation Management | | Internal Control Managers | | Internal Audit |

| Risk Managers | Regulatory Compliance |

| Enterprise Risk Management | Policy Lifecycle Management | Automation Monitoring and Screening | Control and Compliance Management | Audit Management |

SAP S/4HANA SAP ERP **Other Business Applications**
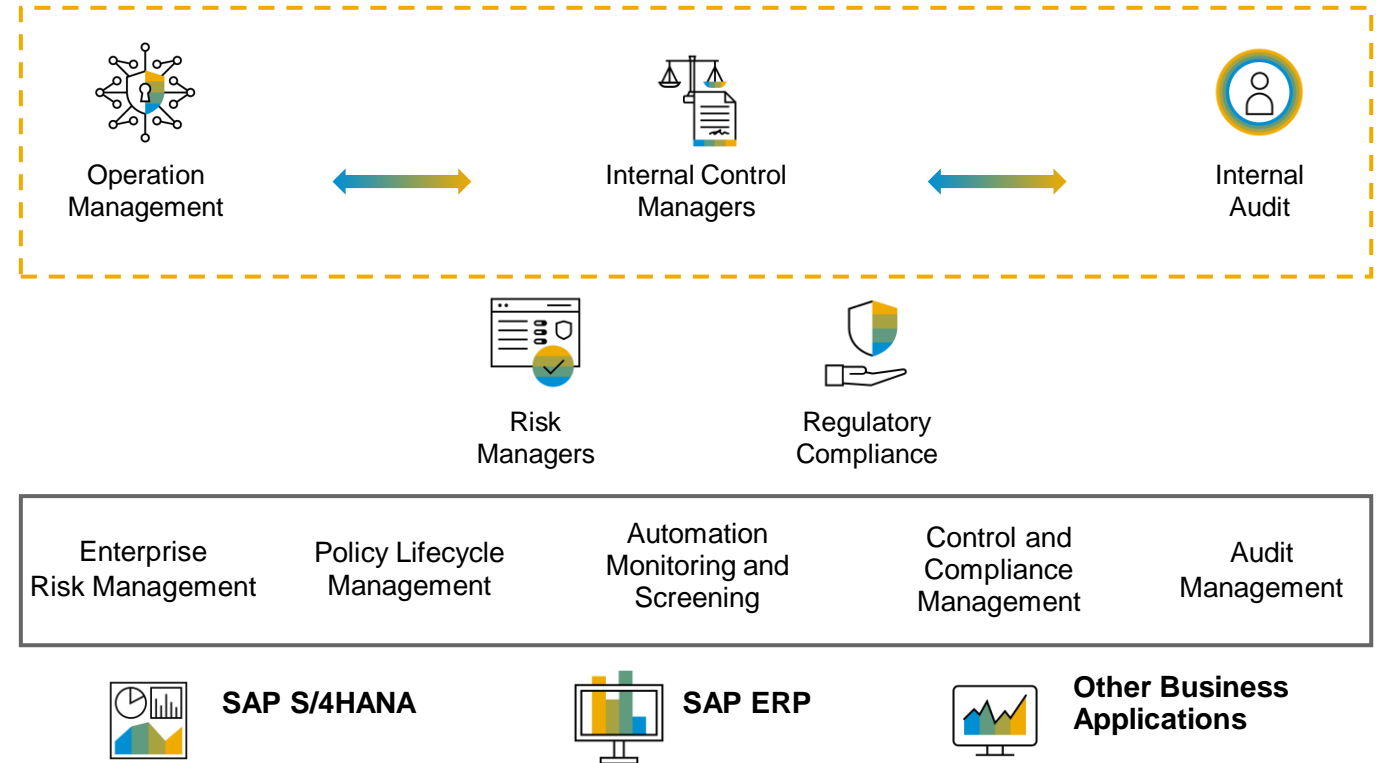
A sustainable, **self-correcting framework** for running business **focused on performance and key risks.**

SAP Financial Compliance Management ⓢ (target: SME with basic SOX requirements)

- Improve compliance process efficiency
- Early detection & automation of controls
- Assurance over strategic investments and liability management

Build on Data Protection Support in SAP S/4HANA

The General Data Protection Regulation (EU Regulation 2016/679), effective May 25, 2018, gives individuals control and protection of their personal data. Data controllers, who determine the purpose and means of processing personal data, and processors, who process for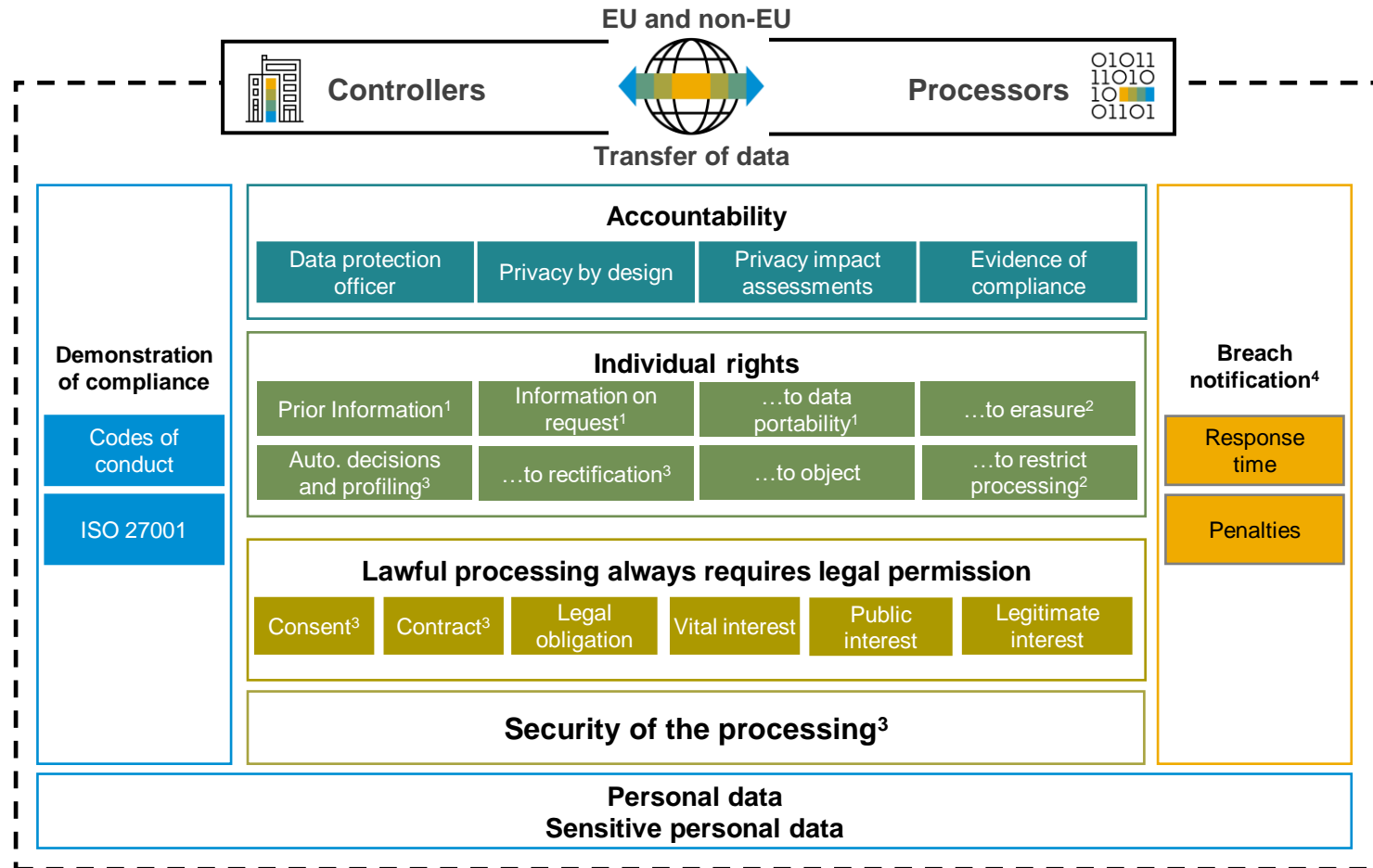 controllers, are affected: SAP's **integrated** and **industry-leading** solutions are highly relevant for meeting **end-to-end GDPR** requirements.

More information: **SAP Trust Center**

EU and non-EU

Controllers ⟷ **Processors**

Transfer of data

Demonstration of compliance
- Codes of conduct
- ISO 27001

Accountability

| Data protection officer | Privacy by design | Privacy impact assessments | Evidence of compliance |

Individual rights

| Prior Information[1] | Information on request[1] | …to data portability[1] | …to erasure[2] |
| Auto. decisions and profiling[3] | …to rectification[3] | …to object | …to restrict processing[2] |

Lawful processing always requires legal permission

| Consent[3] | Contract[3] | Legal obligation | Vital interest | Public interest | Legitimate interest |

Security of the processing[3]

Breach notification[4]
- Response time
- Penalties

Personal data
Sensitive personal data

[1] Featured by the **Information Retrieval Framework,** no additional license.

[2] Retention, Restriction, and Erasure of processing data featured by the **Information Lifecycle Management,** no additional license. All other functionalities in ILM are requiring an extra license
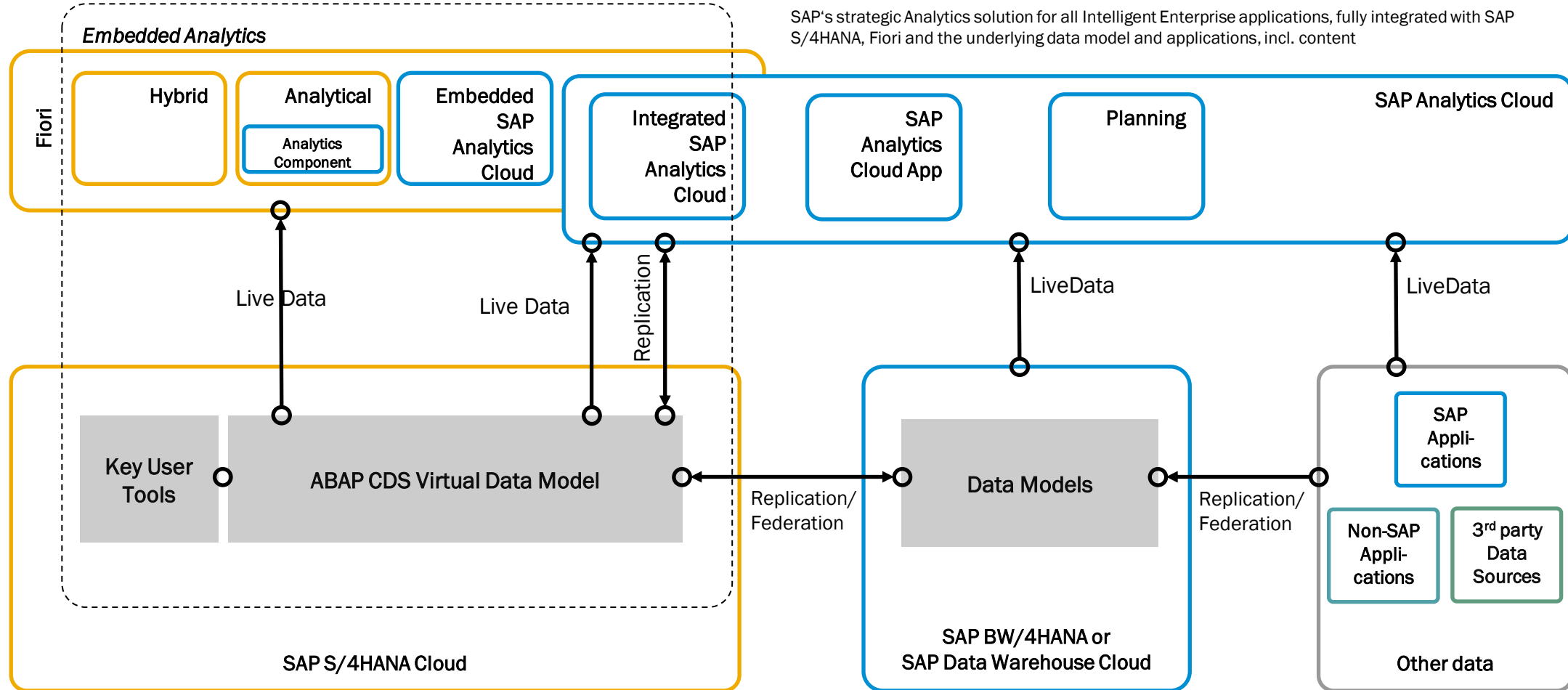
[3] Embedded in SAP S/4HANA.

[4] Breach notification SAP S/4HANA Read access login, no additional license.

Strategy and Architecture of Analytics in the Context of SAP S/4HANA Cloud

Embedded Analytics → SAP Analytics Cloud

Embedded Analytics

Fiori
- Hybrid
- Analytical
  - Analytics Component
- Embedded SAP Analytics Cloud

SAP Analytics Cloud

SAP's strategic Analytics solution for all Intelligent Enterprise applications, fully integrated with SAP S/4HANA, Fiori and the underlying data model and applications, incl. content

- Integrated SAP Analytics Cloud
- SAP Analytics Cloud App
- Planning

Live Data

Live Data

Replication

LiveData

LiveData

SAP S/4HANA Cloud
- Key User Tools
- ABAP CDS Virtual Data Model

Replication/Federation

Data Models

SAP BW/4HANA or SAP Data Warehouse Cloud

Replication/Federation

Other data
- SAP Applications
- Non-SAP Applications
- 3rd party Data Sources

SAP's strategic data warehousing solution Data Warehouse Cloud fits perfectly with either SAP S/4HANA Cloud, SAP Analytics cloud and other applications.

SAP BW/4HANA is supported and structural elements can be leveraged using the BW Bridge Functionality in SAP Data Warehouse Cloud.

Recommendation:

"To assure the optimization of ERP processes, the close alignment and integration of transactional and analytical components is essential.

Therefore, the usage of embedded analytics should be maximized wherever possible."

# SAP S/4HANA Embedded Analytics

SAP Analytics Cloud Stories are now fully embedded in SAP S/4HANA

- Provide embedded insights in the solution, optimally support business users in defined business processes with decision support and information at the users' fingertips.

- Integrate seamlessly into the enterprise intelligence offerings such as SAP Analytics Cloud and SAP BW/4HANA

- Provide real-time access to solution data, as well as replication of data and blending with multiple other sources for end2end enterprise intelligence - direct access to SAP S/4HANA data based on live connectivity

- Integrated into SAP Fiori Launchpad, integrated in SAP S/4HANA role and screen variant management

- SAP Analytics Cloud content can be found in the Best Practices Package
  "SAP Best Practices for analytics with SAP S/4HANA"
  (for SAP S/4HANA Cloud)

- Intent-based navigation

- SAP Fiori variant management

Manage KPIs and Reports

Purchasing Spend Dashboard
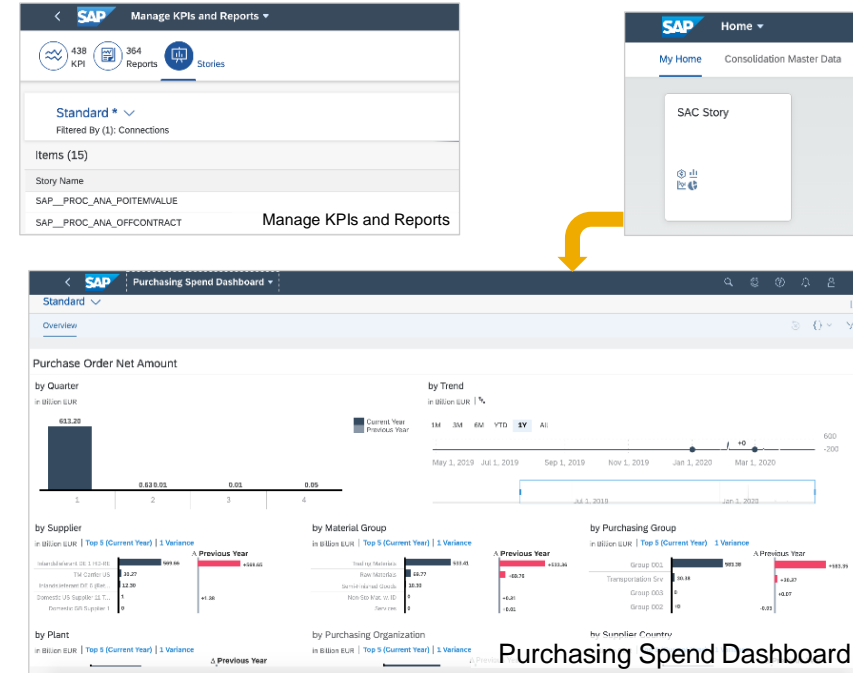
Scope items for SAP S/4HANA Cloud, private edition

*SAP S/4HANA Cloud Treasury Management Content with SAP Analytics Cloud	49P_S4CLD2208_BPD_EN_XX.docx
*SAP S/4HANA Cloud Receivable management content with SAP Analytics Cloud	4A6_S4CLD2208_BPD_EN_XX.docx
*SAP S/4HANA Cloud Procurement content with SAP Analytics Cloud	29D_S4CLD2208_BPD_EN_XX.docx
*SAP S/4HANA Cloud Sales content with SAP Analytics Cloud	3N0_S4CLD2208_BPD_EN_XX.docx

* in this table means, the SAP Analytics Cloud content inside the Scope item also support SAP S/4HANA Cloud, private edition, in it's latest release. There may be minor manual effort before consuming the SAP Analytics Cloud content, such as changing predefined prompt value, etc.

Intelligent Technologies: Concept
Combine intelligence technologies for end-to-end automation

Interact
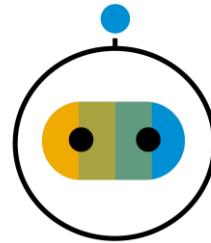### Digital Assistants

Chatbots to collaborate and interact with
SAP S/4HANA (e.g., based on SAP Conversational AI)

Act
Process Automation

Multiple **bot workflows for action** (attended + unattended) with SAP Process Automation, based on SAP intelligent RPA and SAP Workflow Management

Anticipate
Situation Handling

Detect exceptions, notify, and **provide insight-to-action** options

Optimize
Machine Learning

Self-learning bots and applications
with dynamic adaptability

Connect
Internet of Things (IoT)

Collect data to give more transparency in business processes

Business Process Intelligence

SAP BTP

Intelligent Technologies: Delta Scope Summary

Act
Process Automation

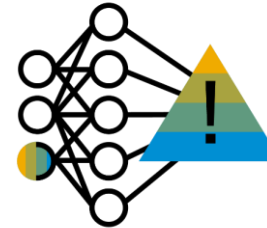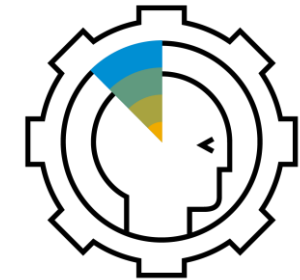Multiple **bot workflows for action** (attended + unattended) with SAP Process Automation, based on SAP intelligent RPA and SAP Workflow Management

Manufacturing / Supply Chain
- Production Order Operation Information (49T)
- Inbound Delivery Creation from Delivery Notes (4QK)
- Post Good Movement (4FP)
- Create Product Master Data with Reference (4N1)
- Outbound Delivery – Post Goods Issue for Non-Warehouse Management (4HV)
- Intelligent Production Order Conversation (4HR)

Procurement:
- Create Purchase Requisitions from Excel (48M)

Sales:
- Automatic Creation of Sales Orders from Excel (4G5) Automatic Return Creation from Excel (4HT)

Finance (Logistics):
- Automated Upload of Bank Statement Files (4X2)
- Manage Payment Advice (48Q)
- Automated Upload of Manual Entries via API (4CA)

Anticipate
Situation Handling

Detect exceptions, notify, and **provide insight-to-action** options

Financial Operations:
- Advanced Cash Operations (J78)
- Advanced Credit Management (1QM)

Treasury Management:
- Debt and Investment Management
- Foreign Currency Risk Management
- Interest Rate Derivatives Management
- Bank Guarantee Management
- Money Market Mutual Fund Management
- Bond Management
- Letter of Credit Management
- Stock Management
- Shareholding Management

Procurement:
- Direct Material Sourcing (4RD)
- Purchase Contract (BMD)

Manufacturing:
Just-In-Time Supply to Customer (2EM)

Sales:
- Create Sales Orders from Unstructured Data (4X9)
- Sell from Stock (BD9)

Interact
Digital Assistants

Chatbots to collaborate and interact with SAP S/4HANA (e.g. based on SAP Conversational AI)

Optimize
Data Intelligence (incl. ML)

Self-learning bots and applications with dynamic adaptability

Public Sector:
- *Clustering of Late Payment Reasons (as part of Behavioral Insights)*

Connect
Internet of Things (IoT)*

Collect data to give more **transparency in business processes**

*SAP IoT is scheduled to be retired. It will be available until the end of the current subscription term, but will not be available for new or renewal opportunities.

SAP S/4HANA Cloud, ABAP environment
ONE extensibility model for SAP S/4HANA cloud and on-premise

On-stack extensibility

Side-by-side extensibility

SAP S/4HANA

KEY-USER
EXTENSIONS
Low-/No code tools

public interface

public interface

ABAP PLATFORM (CLOUD)
& EMBEDDED STEAMPUNK

CUSTOM ABAP
DEVELOPMENT
on SAP S/4HANA

'Embedded Steampunk'

remote API

public interface

SAP BTP ABAP Environment

CUSTOM
DEVELOPMENT on BTP
(ABAP, Java, Node.js)
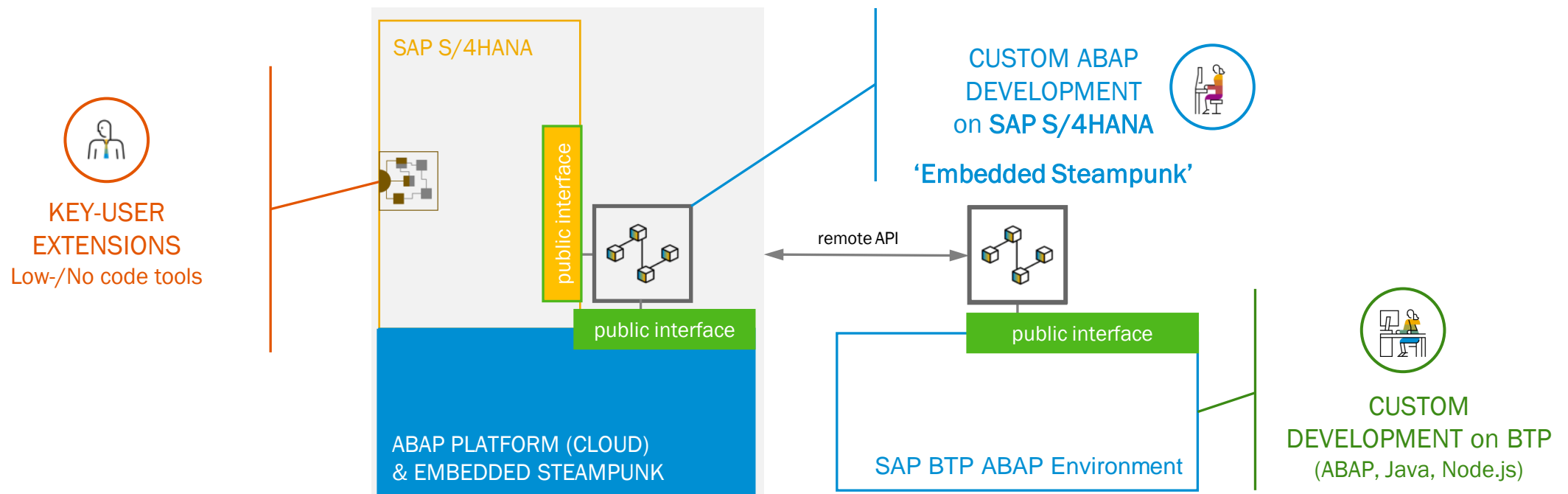
The upgrade-stable SAP S/4HANA Cloud extensibility is now available for ALL SAP S/4HANA customers

- Exploiting the shared code line between SAP S/4HANA Cloud and SAP S/4HANA

- Making it the standard way to build modern ABAP-based extensions on SAP BTP, SAP S/4HANA Cloud, and SAP S/4HANA
  (featuring public APIs from SAP, ABAP RESTful application programming model, ABAP development tools in Eclipse)

SAP S/4HANA product variants
The right solution for each customer journey

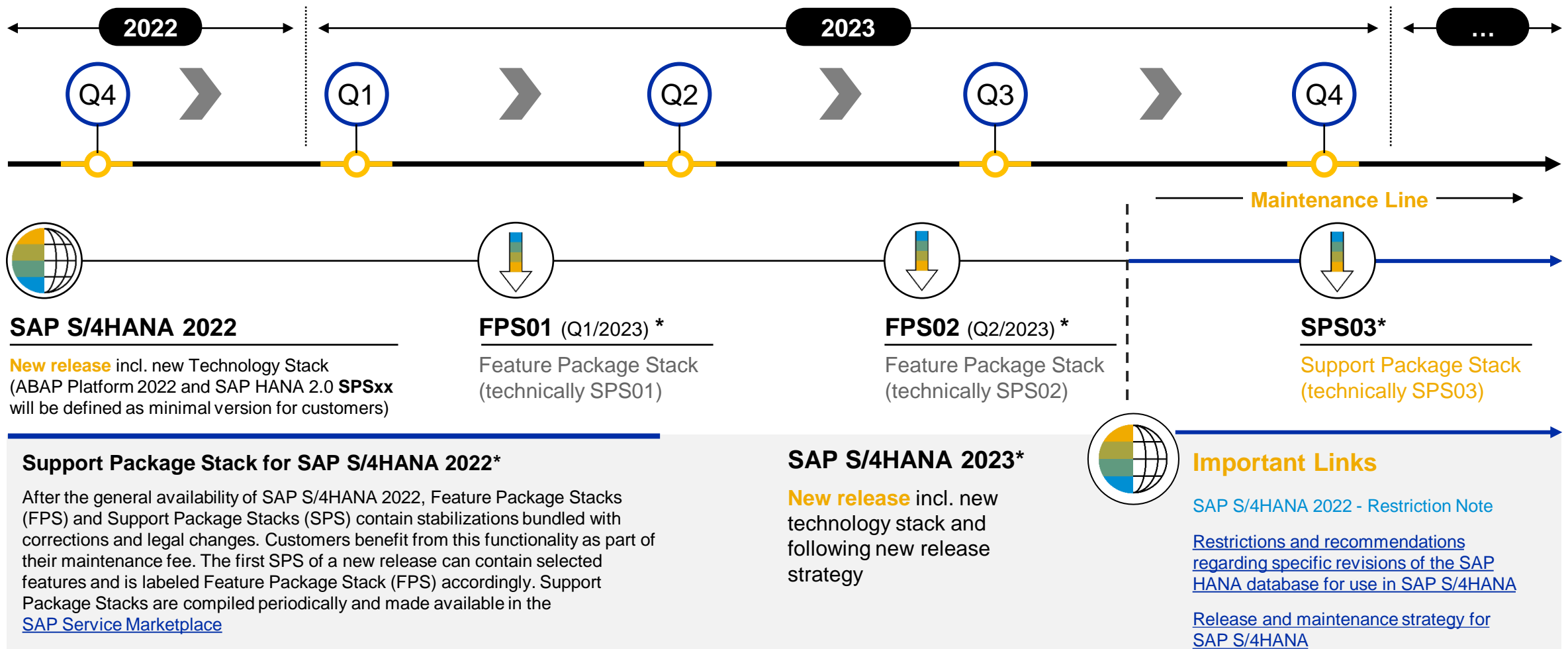|	SAP S/4HANA Cloud, public edition	SAP S/4HANA Cloud, private edition	SAP S/4HANA
		functional scope	
SAP Product	**SAP S/4HANA Cloud**	**SAP S/4HANA**	
Release Cycles	Twice a year	annually, plus quarterly Feature/Support Packs *	
Minimum Upgrade Frequency	Twice a year	Every second year recommended	
UX	SAP Fiori	SAP Fiori and SAP GUI	
Deployment Types	new implementation	new Implementation, System Conversion, Selective Data Transition	
SAP Best Practices	yes	optional (for New Implementation)	
Configuration Options	Self-Service and Expert Configuration	Implementation Guide (IMG)	
Custom Code	no	optional	
Modification of SAP code	no	optional	
3rd Party Add-ons	certified Public Cloud add-ons allowed	allowed unless operating system access required	allowed
Infrastructure	SAP, Alibaba, AWS,. ect. (SAP decision)	SAP, AWS, Azure, GCP, (customer preference)	customer preferred infrastructure
Upgrades	included and mandatory	customer owned, installation on request	not included
Compatibility Scope	n/a	mostly allowed – see note 2269324	allowed
Licensing	subscription		perpetual
	business engagement		

SAP S/4HANA: Release strategy for 2022 / 2023 and definition of deliveries

2022 ← → **2023** ← → **...**

Q4 ▶ Q1 ▶ Q2 ▶ Q3 ▶ Q4

Maintenance Line → →

SAP S/4HANA 2022

New release incl. new Technology Stack (ABAP Platform 2022 and SAP HANA 2.0 **SPSxx** will be defined as minimal version for customers)

FPS01 (Q1/2023) *
Feature Package Stack (technically SPS01)

FPS02 (Q2/2023) *
Feature Package Stack (technically SPS02)

SPS03*
Support Package Stack (technically SPS03)

Support Package Stack for SAP S/4HANA 2022*

After the general availability of SAP S/4HANA 2022, Feature Package Stacks (FPS) and Support Package Stacks (SPS) contain stabilizations bundled with corrections and legal changes. Customers benefit from this functionality as part of their maintenance fee. The first SPS of a new release can contain selected features and is labeled Feature Package Stack (FPS) accordingly. Support Package Stacks are compiled periodically and made available in the SAP Service Marketplace

SAP S/4HANA 2023*

New release incl. new technology stack and following new release strategy

Important Links

SAP S/4HANA 2022 - Restriction Note

Restrictions and recommendations regarding specific revisions of the SAP HANA database for use in SAP S/4HANA

Release and maintenance strategy for SAP S/4HANA

* This is the current state of planning and may be changed by SAP at any time without notice.
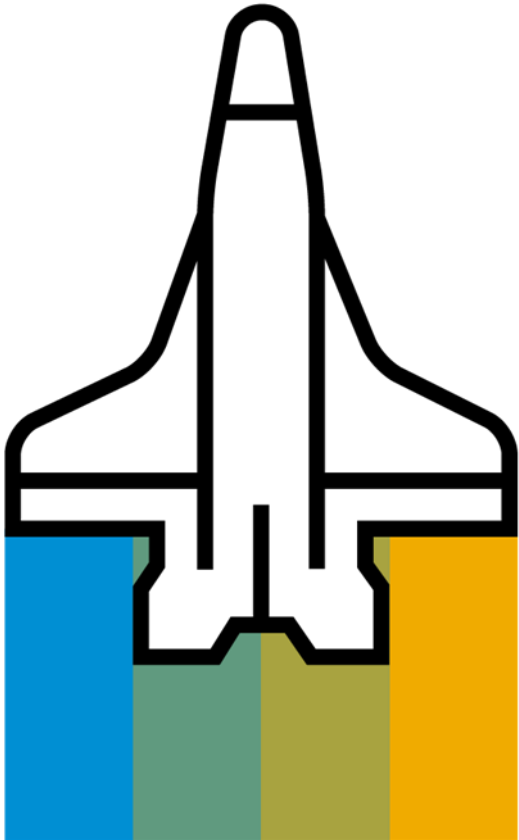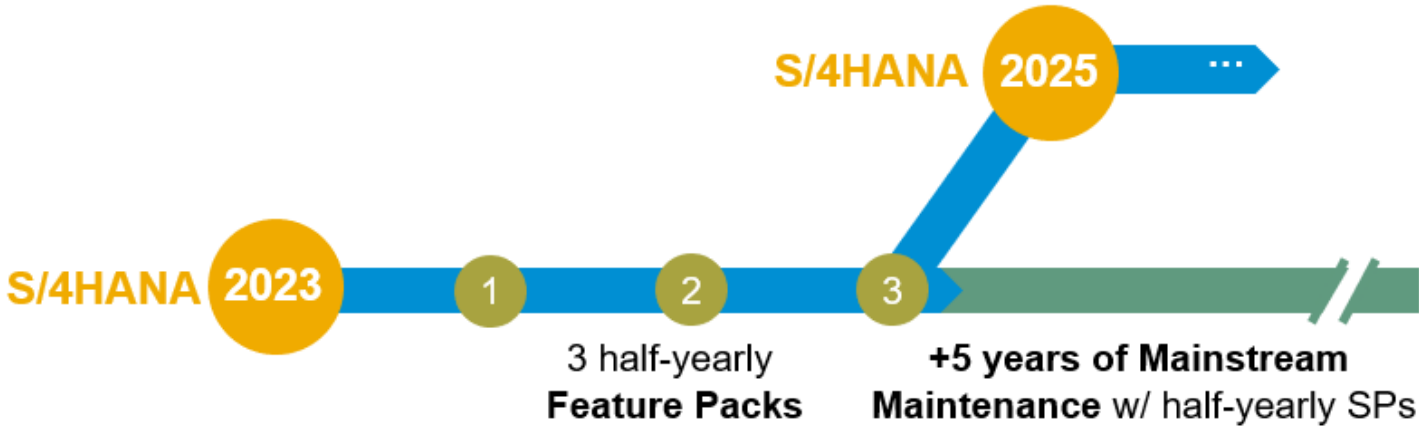
SAP S/4HANA Has Reached Its Next Stage
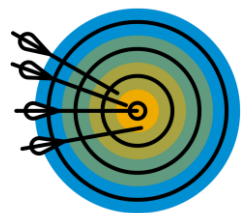
As of October 12th, eight SAP S/4HANA releases have been delivered

Next level of product maturity: SAP S/4HANA 2023
Delivering completeness on Compatibility Scope alternatives and concluding major renovations.

Taking the **next evolutionary step towards a release strategy, which better supports our customer base.**
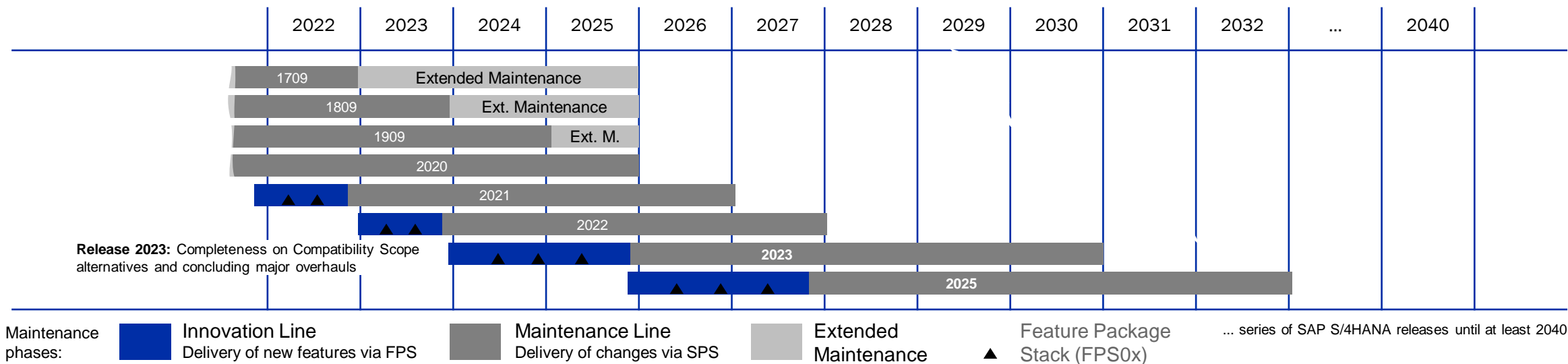
S/4HANA **2025** ...

S/4HANA **2023** — 1 — 2 — 3

3 half-yearly Feature Packs

+5 years of Mainstream Maintenance w/ half-yearly SPs

SAP S/4HANA: Release Maintenance Strategy 2023

New SAP S/4HANA Release & Maintenance Strategy | SAP News

Executive Summary

[1] **SAP S/4HANA 2022** with RTC on October 12th, 2022, stays with the current Release Strategy **1+4** (1 year innovation line, 4 years standard maintenance line)

[2] Starting with **SAP S/4HANA 2023**, the innovation line will be extended to 2 years with an additional maintenance line of 5 years **(2+5)**

[3] For the 3 releases 1709, 1809, 1909 the **extended Maintenance** will end in **2025, ordering details in note** 3246630

[4] During the innovations line, SAP will continue to deliver innovations in **3 Feature Package Stacks** (FPS) in 2 years

[5] Release Naming convention: [YYYY] (e.g., 2022) for SAP S/4HANA and SAP S/4HANA Cloud, private edition, [YYMM] (e.g., 2208) for SAP S/4HANA Cloud, public edition

[6] SAP will continue to support **SAP S/4HANA until 2040**

=> all customers can adopt SAP S/4HANA Innovations at their own pace (no customer has a disadvantage compared to the previous [1+4] strategy)

| | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | ... | 2040 |

1709 — Extended Maintenance
1809 — Ext. Maintenance
1909 — Ext. M.
2020
2021
2022
Release 2023: Completeness on Compatibility Scope alternatives and concluding major overhauls
2023
2025

Maintenance phases:

Innovation Line — Delivery of new features via FPS

Maintenance Line — Delivery of changes via SPS

Extended Maintenance

▲ Feature Package Stack (FPS0x)

... series of SAP S/4HANA releases until at least 2040

Wrap-Up

from **Integration of applications**
to **Integrated processes**

from **General Intelligence**
to **Intelligent processes**

from **Industry customization**
to **Industry adaptation**
based on next practices

SAP CUSTOMER EVOLUTION PROGRAM…

…HELPS YOU TO GET THERE

The

Intelligent & Sustainable Enterprise

delivers

a modern, flexible system landscape

allowing to run

mission critical

industry specific processes

at scale

SAPinsider

Where to Find
More Information

RISE with SAP

SAP Customer Evolution Program in the news

SAP blog on maintenance timelines for ECC

A practical guide to the move of ECC to SAP S/4HANA

Detailed information on the help portal

Register for the SAP Customer Evolution Kit

SAPinsider

Key Points to Take Home

- If you have not started your journey to SAP S/4HANA yet – *time is now*

- Only ECC systems on the latest three enhancement packs get mainstream maintenance until 2027, all other run out in 2025

- S/4HANA comes with a huge set of innovations across all lines of business and a fundamentally simplified user experience

- With the S/4HANA 2023 release, all alternatives for the compatibility scope will be available

- Connecting to SAP CALM already now with your whole system landscape prepares you best for the upgrade

- SAP Business Transformation Center takes care of the system and data transformation end to end

- SAP Customer Evolution Program is designed to help our existing customer to transform to the intelligent enterprise

SAPinsider

Thank you! Any Questions?

Uwe Grigoleit

Linkedin.com/in/uwe-grigoleit/

Contact us via email:

Please remember to complete
your session evaluation.

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SAPinsider.org

SAPinsider comprises the largest and fastest growing SAP membership group worldwide, with more than 600,000 members across 205 countries.