

# KTern.AI

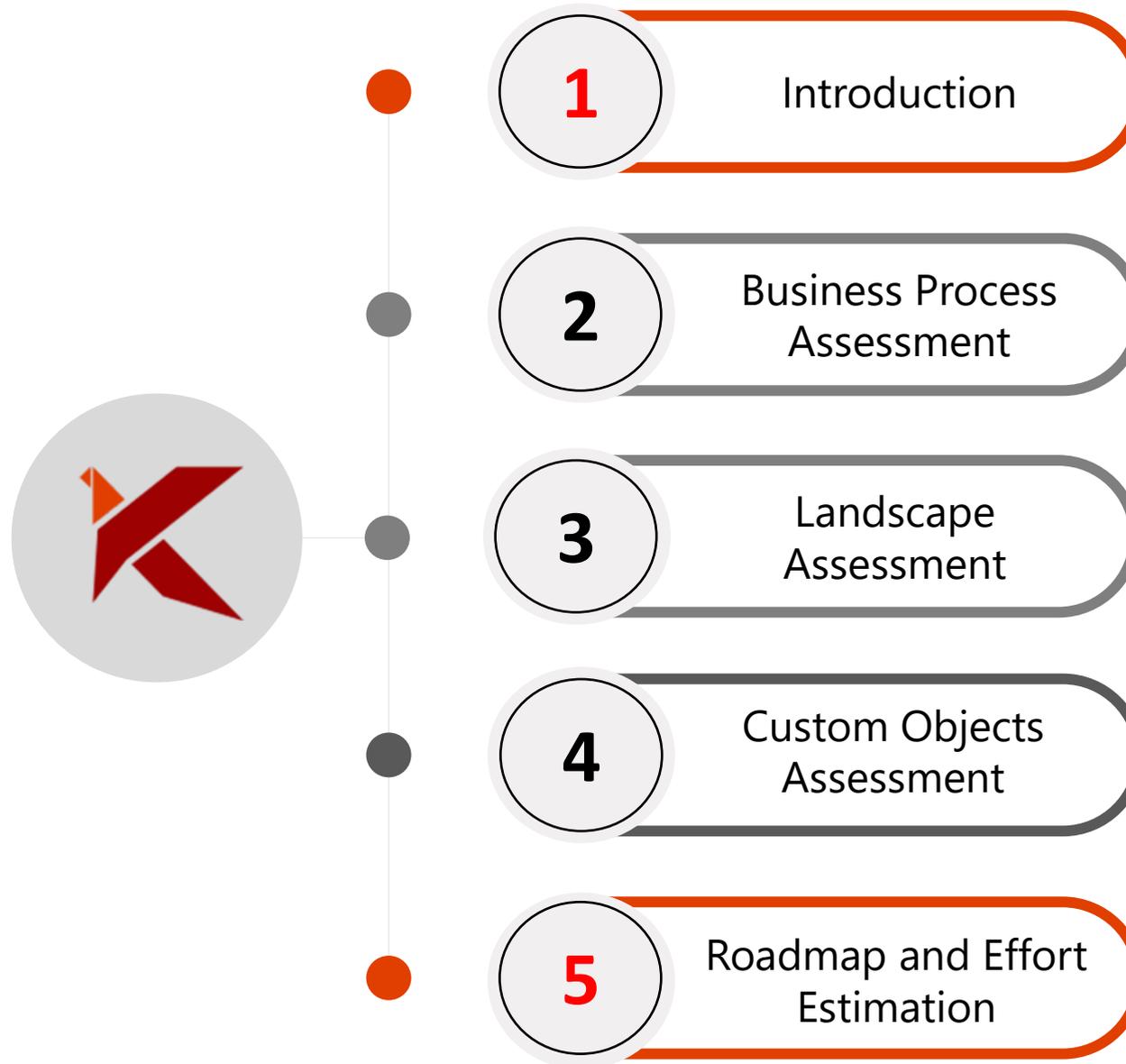
## Automated Digital Workplace for your SAP Digital Transformation

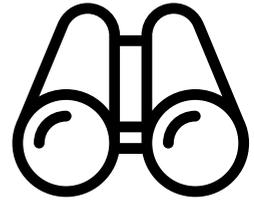
### SAP Auto-Assessment Report

<b>Customer</b>	: Global Group
<b>Partner</b>	: Universal Technologies
<b>Started on</b>	: 4 March 2020
<b>Results live on</b>	: 6 March 2020



# Contents





# 1. INTRODUCTION



# KTern.AI Enterprise Product Suite

## About KTern.AI

KTern.AI enterprise product suite with automated digital workplace for SAP digital transformations is a fundamental rethinking of customer experience, business models, and operations that will help find new ways to deliver value, generate revenue, and improve efficiency.



### Activate and SAP GSI

Product to integrate Activate and SAP BPML for digitisations



### Turnkey Integrations

Seamless integration with other popular products



### Cognitive Ability

KTern.AI remains system aware during an execution



### Knowledge Transfer

Effective Workforce Management to address Customer and SI needs



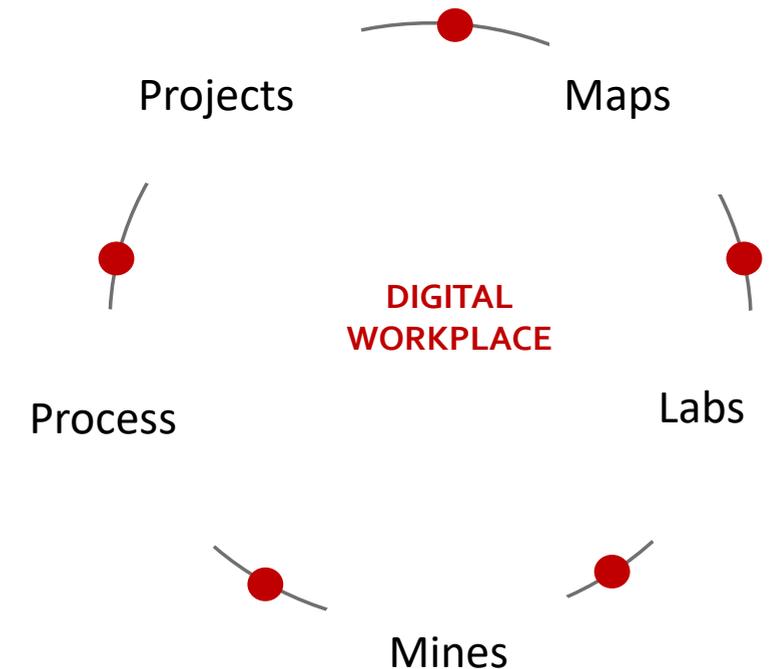
### Digital Foot printing

Main Objective is to stay digital before, during and after a transformation



### SAP Tribal Knowledge

S/4HANAPEDIA fed with Tribal Knowledge on SAP



# Objectives

-  To assess the current ECC landscape of Global Group
-  To suggest impact & improvement opportunities enabled through S/4HANA
-  To provide an indicative roadmap and effort for the S/4HANA transition project
-  To recommend the optimization scope in view of SAP Digital Transformation

# System Scan Overview



## Digital Maps Insights

1. The Global Group Group has opportunity to drive significant improvements in **Life Sciences - Pharmaceuticals** with processes comprising **procure-to-pay, plan-to-product, order-to-cash, R&D-to-product, supply chain integrity and planning, product safety and stewardship** to lay the foundation for its intelligent digital core.
2. This transformation would put Global Group in line with the digital core roadmap of SAP, create a scalable landscape with real-time data accessibility, and position Global Group to leverage additional S/4HANA embedded functionalities and innovations to drive business value.
3. KTern.AI recommends Global Group to consider a **System Conversion** approach to S/4HANA. This approach accelerates time to value with lift and shift methodology, enriched S/4HANA innovations, harmonizes priority master data and organizational structures, enables selective data migration and cleansing with full or partial historic data retention.
4. The key insights of assessment are presented in this report and the detailed results are available in KTern application link : <https://app.ktern.com/#/pages/auto-simulate-results?project=xxxxxxxxxxxxxxxxxxxxxx>



### No. of active named users in ERP

230 users



### No. of custom objects

5565 objects



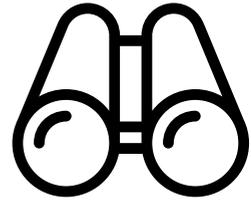
### Highest materiality

Materials Management



### Optimization scope

28% of business process



## 2. BUSINESS PROCESS ASSESSMENT

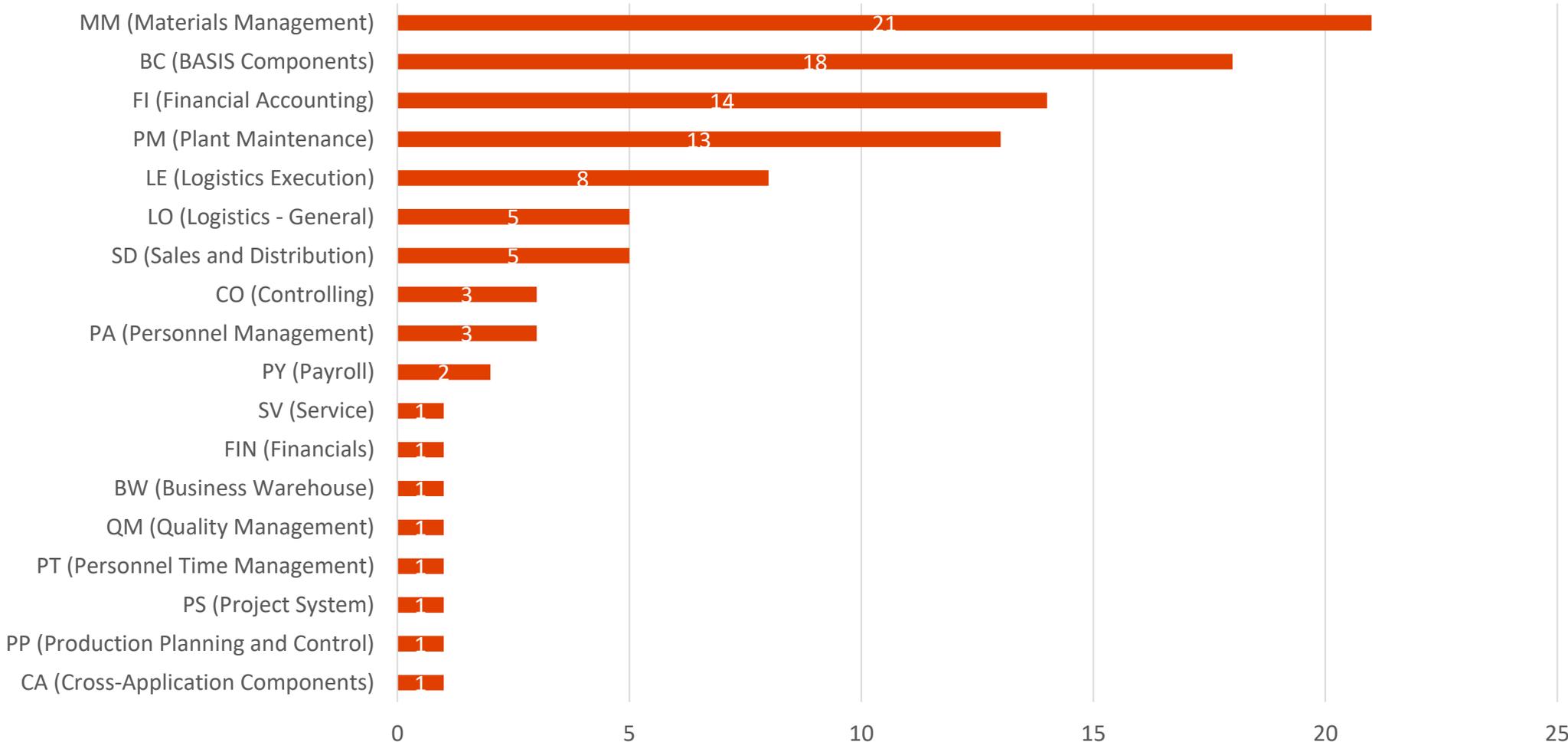


# Process Profiler



## Materiality Analysis

### Materiality % of prominent modules



Materiality refers to the significance of the business with respect to its relative value, volume and velocity in the day-to-day enterprise operations. The insights are from KTer'n's VVV<sup>(TM)</sup> Engine

# Process Profiler



## Complexity Analysis

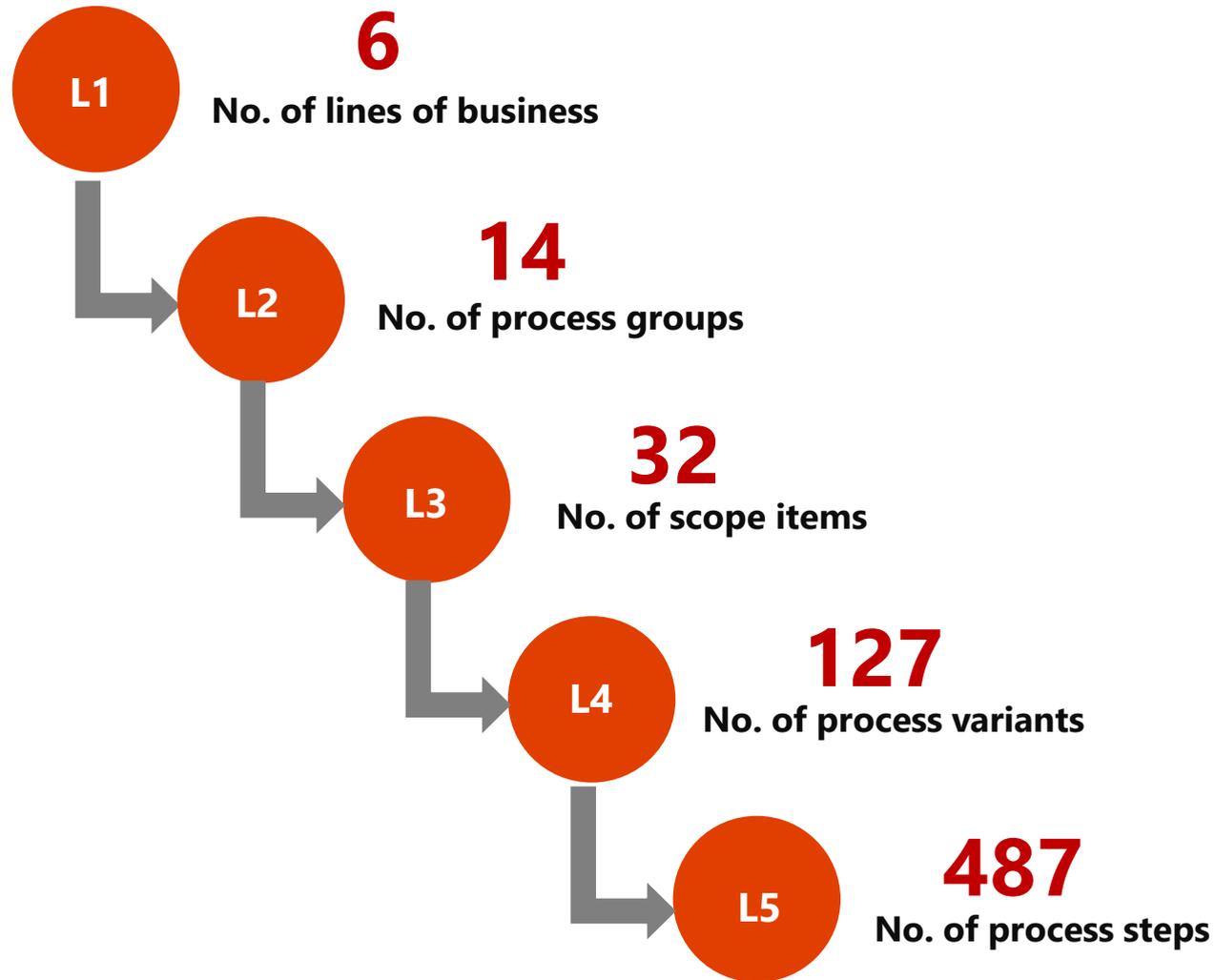


 The materiality and complexity analysis is a prelude to the detailed simplification item impact checks that evaluates the business impact on moving to S/4HANA

# Process Profiler



## Scope Item Analysis



## Top Scope Items

SAP Model Company for Life Sciences

- **Substance Volume Tracking (Sales) (MC-E2E\_RDP\_003\_02)**  
Score : 9/10
- **Repackaging (MC-E2E\_PTP\_001\_15)**  
Score : 9/10
- **Recipe Development (MC-E2E\_RDP\_002\_01)**  
Score : 8/10
- **Active Ingredient Processing (MC-E2E\_PTP\_001\_14)**  
Score : 8/10
- **Process Order with Co-Product and Quality Management (QM) (MC-E2E\_PTP\_001\_19)**  
Score : 8/10
- **Blending Process with Material Quantity Calculation (MQC) (MC-E2E\_PTP\_001\_22)**  
Score : 7/10

# Prominent Simplification Item Impact Checks | S/4HANA 1909



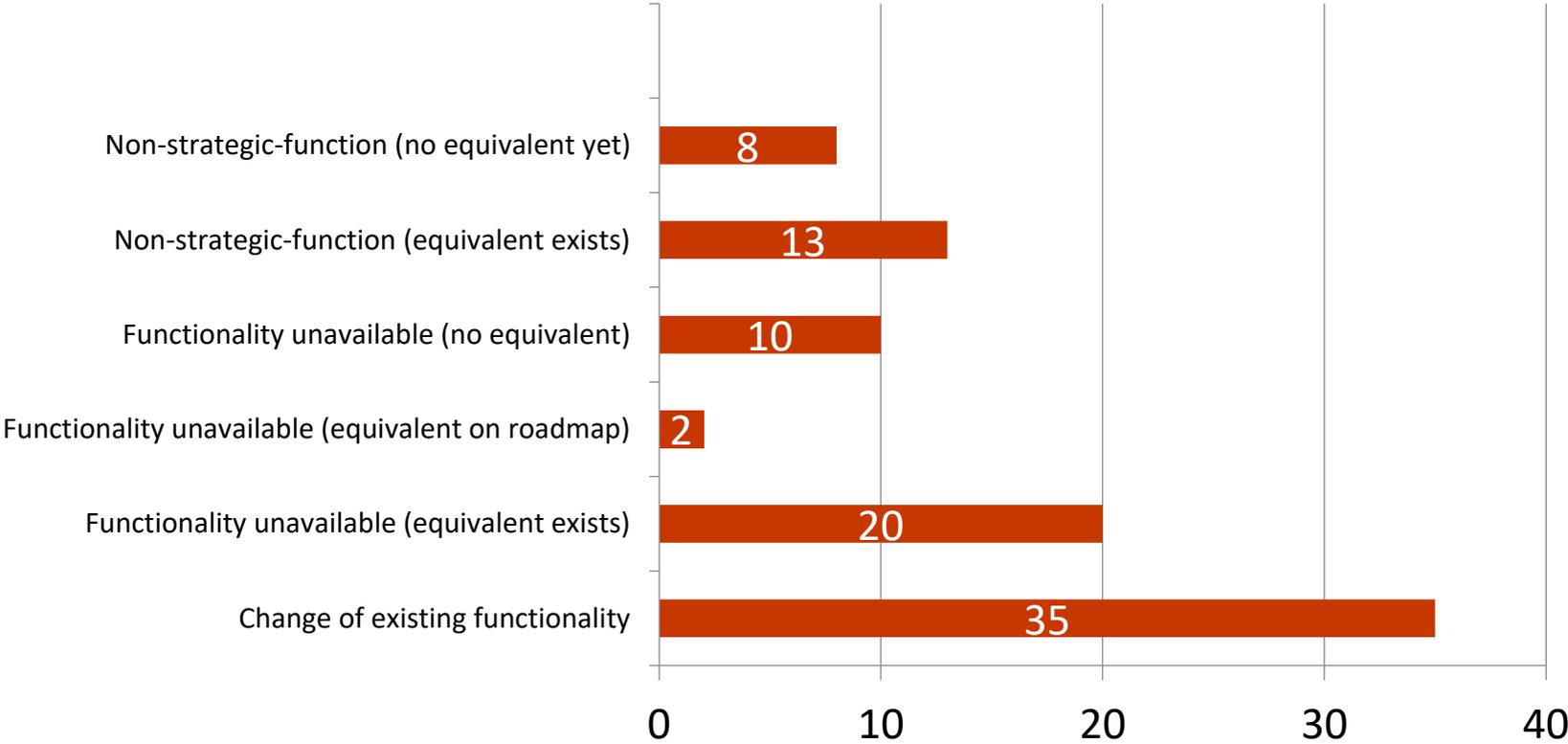
## Summary

Total no. of S4H 1909 simplification items **699**

Total no. of impacted simplification items **88**

Total no. of non-impacted simplification items **611**

### Status of impacted simplification items



# Fit-Gap Analysis

## Master Data | Logistics - General



Title

**SI2: MasterData\_BP(S4TWL - Business Partner Approach)**

Status

**Change of existing functionality**



## S4HANAPEDIA.AI Fit-Gap Analysis

There are redundant object models in the traditional ERP system. Here the vendor master and customer master is used. The (mandatory) target approach in S/4HANA is the Business Partner approach. This is to ensure ease of maintenance of the above master data and to achieve harmonization between them.

Compared to classical ERP transactions, maintenance of Customer and Supplier master data via Business Partner has multiple advantages. Some of them are as follows:

- Business Partner allows maintenance of multiple addresses with corresponding address usages.
- In classical transactions, one customer can only be associated to one account group. But in Business Partner, multiple roles can be associated to the same Business Partner.
- Maximal data sharing and reuse of data which lead to an easier data consolidation.
- General Data available for all different Business Partner roles, specific data is stored for each role.
- Maintenance of multiple relationships to the same Business Partner.
- Maintenance of Time Dependency at different sub-entities roles, address, relationship, bank data etc.

# Fit-Gap Analysis

## Procurement | Materials Management



Title

**SI3: PROC\_LIS(S4TWL - Vendor evaluation based on LIS)**

Status

**Non-strategic-function (equivalent exists)**



## **S4HANAPEDIA.AI Fit-Gap Analysis**

The current vendor evaluation based on Logistics Information System. We recommend that you use the SAP HANA reporting capabilities for vendor evaluation based on CDS views and smart business technology.

The usage of SAP S/4HANA offers real-time supplier evaluation capabilities without building and referring to table and structure aggregates. Beside real-time capabilities, it also provides much more analytical visualization options as LIS.

# Fit-Gap Analysis

## Human Resources | Personnel Management



Title

**SI1: HR\_OP(S4TWL - General HCM Approach within SAP S/4HANA)**

Status

**Non-strategic-function (equivalent exists)**



## S4HANAPEDIA.AI Fit-Gap Analysis

SAP SuccessFactors, the next generation HCM suite in the public Cloud, is the go-forward HCM solution for both editions of SAP S/4HANA, cloud and on premise.

SAP S/4HANA customers may also using SAP ERP HCM on-premise and might not be willing/able to move to SuccessFactors in the near term and like to continue to use SAP ERP HCM. SAP HCM can be run in either a separate instance or single instance with SAP S/4HANA. The integration among both on-premise instances (SAP HCM with SAP S/4HANA on-premise) will be available via ALE in case SAP HCM is running on separate instance. In case SAP HCM is running inside of SAP S/4HANA on-premise then the integration is automatically given as part of so-called Compatibility Mode.

# Fit-Gap Analysis

## Procurement | Materials Management



### **S4HANAPEDIA.AI Fit-Gap Analysis**

Use transaction MIGO or MMBE in dialog.

Replace customer coding using the transaction codes MB01, MB02 MB04, MB05, MB0A, MB11, MB1A, MB1B, MB1C, MB31, MBNL, MBRL, MBSF, MBSL and MBSU (e.g. by suing CALL TRANSACTION MBxy) by make use of function module BAPI\_GOODSMVT\_CREATE

Replace customer coding using the transaction MB03 by make use of function module MIGO\_DIALOG

Replace customer coding using the transaction MBST by make use of function module BAPI\_GOODSMVT\_CANCEL

Title

**SI2: Logistics\_MM-IM(S4TWL - AVAILABILITY OF TRANSACTIONS IN MM-IM)**

Status

**Functionality unavailable (equivalent exists)**



# Enterprise Structure Mining

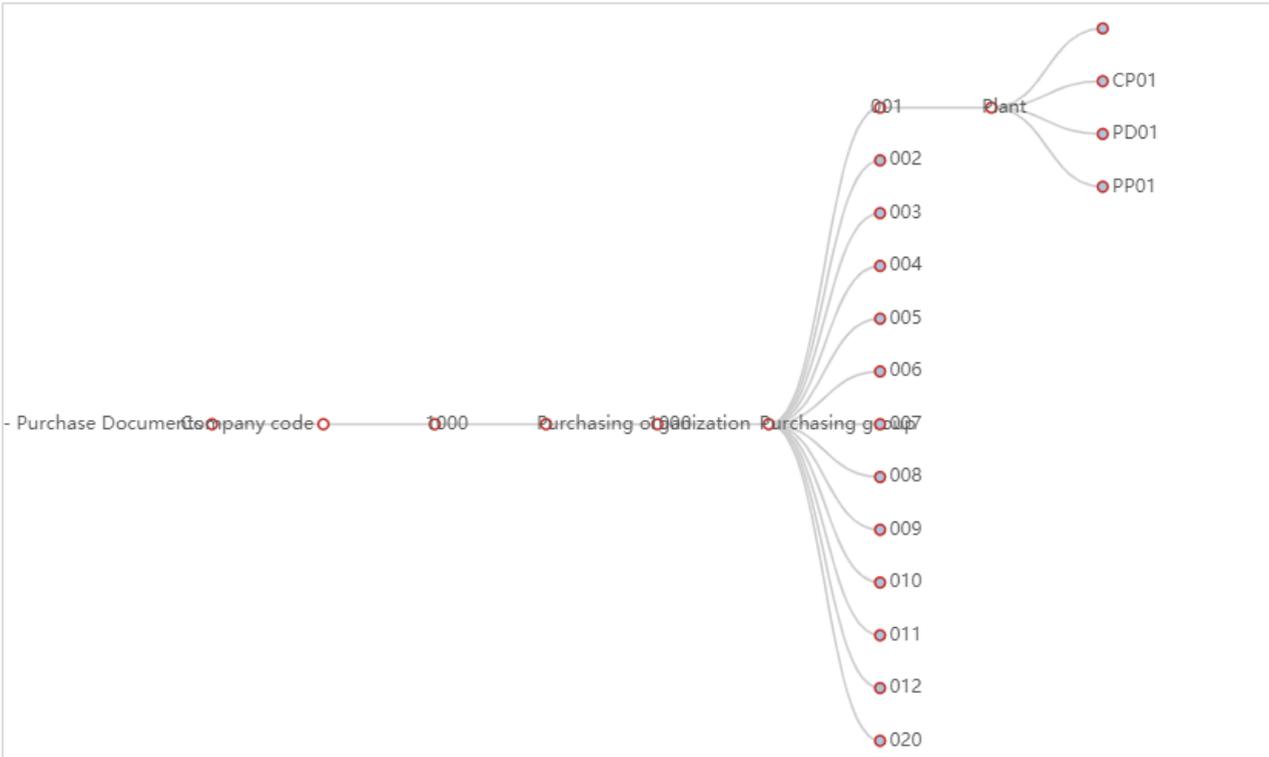


## Purchase Documents

Year of enterprise structure mining **2019**

No. of company codes used **1**

No. of purchase documents created **5936**



Top purchasing entities

Company code	Purchasing organization	Purchasing group	Plant	Storage location	No of purchase documents
1000	1000	006	CP01		1405
1000	1000	005	CP01		917
1000	1000	011	CP01		889
1000	1000	010	CP01		819
1000	1000	008	CP01		418
1000	1000	007	CP01		357
1000	1000	004	CP01		168
1000	1000	004	PP01		85
1000	1000	012	CP01	MS01	83



The enterprise structure mining is a key aspect of KTERN’s automated test case recommendations, materiality profiler, roadmap and effort estimation.

# Enterprise Structure Mining



## Order Documents

Year of enterprise structure mining **2019**

No. of company codes used **1**

No. of order documents created **37441**



Company code	Plant	Controlling Area	Order category text	No of Orders	Company code
1000	CP01	1000	Maintenance order	35810	1000
1000	CP01	1000	Network	245	1000
1000	PD01	1000	Maintenance order	137	1000
1000	PD01	1000	Network	349	1000
1000	PD01	1000	Process Order	14	1000
1000	PP01	1000	Maintenance order	155	1000
1000	PP01	1000	Network	246	1000
1000	PP01	1000	Process Order	224	1000
1000	UT01	1000	Network	261	1000



The enterprise structure mining is a key aspect of KTERN’s automated test case recommendations, materiality profiler, roadmap and effort estimation.

# Enterprise Structure Mining



## Sales Documents

Year of enterprise structure mining **2019**

No. of company codes used **1**

No. of sales documents created **7638**



Company code	Sales Organization	Distribution Channel	Division	Plant	No of Sales Documents
1000	1000	10	10	PP01	7638



The enterprise structure mining is a key aspect of KTERN's automated test case recommendations, materiality profiler, roadmap and effort estimation.

# Enterprise Structure Mining

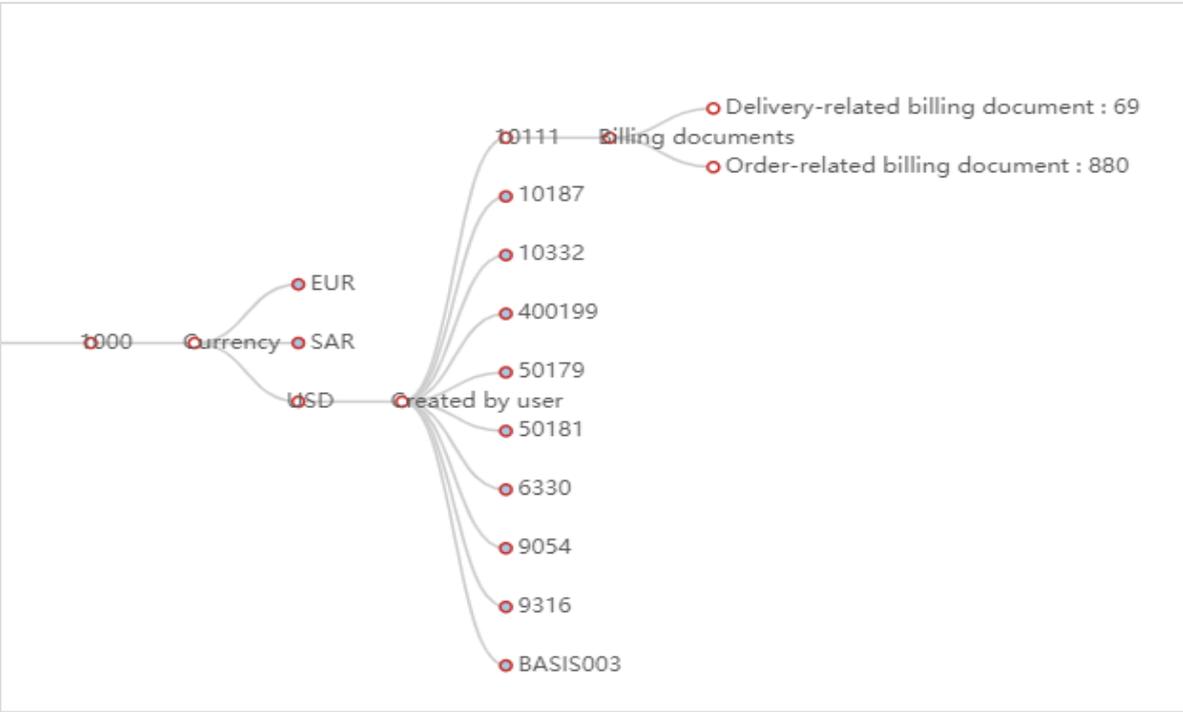


## Billing Documents

Year of enterprise structure mining **2019**

No. of company codes used **1**

No. of billing documents created **15315**



Top billing entities

Company code	Currency	Created by user	Billing category text	No of billing documents	Company code
1000	USD	400199	Delivery-related billing document	4843	1000
1000	USD	10187	Delivery-related billing document	2512	1000
1000	USD	9054	Delivery-related billing document	2158	1000
1000	USD	10332	Delivery-related billing document	2081	1000
1000	USD	10187	Order-related billing document	1692	1000
1000	USD	10111	Order-related billing document	880	1000
1000	USD	10332	Order-related billing document	648	1000
1000	SAR	10187	Delivery-related billing document	178	1000



The enterprise structure mining is a key aspect of KTERN’s automated test case recommendations, materiality profiler, roadmap and effort estimation.

# Training Scenario Recommendations



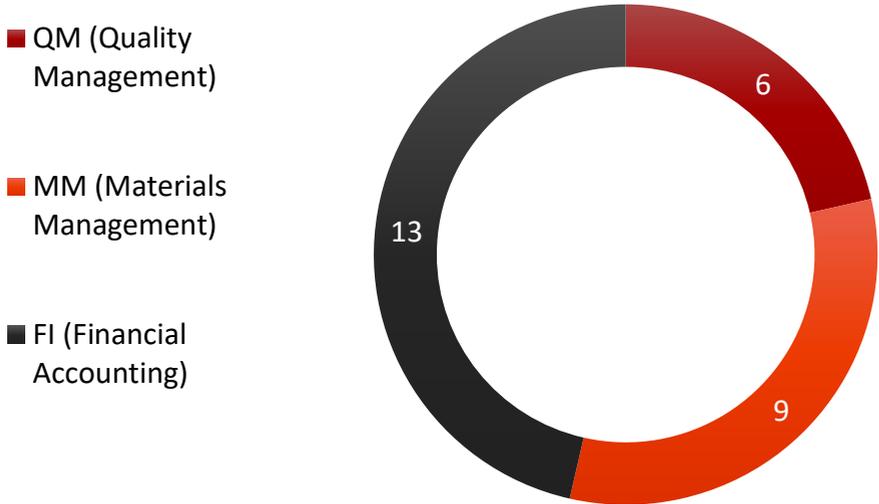
## Summary

Total no. of training plans recommended **6**

Total no. of training scenario recommended **30**

Module with most no. of scenarios **FI**

### Top 3 modules with training scenarios



# Business Function Analytics



## Compatibility checks



No. of business functions that have to be verified for compatibility in S/4HANA 1909

8

1	HCM_ESS_CI_1	Enterprise Business Function	HCM, ESS for Personal Information
2	HCM_ESS_WDA_1	Enterprise Business Function	Employee Self Services on WebDynpro ABAP
3	HCM_ESS_WDA_2	Enterprise Business Function	HCM, ESS on Web Dynpro ABAP 2
4	HCM_ESS_WDA_3	Enterprise Business Function	HCM, Employee Self-Services on WD ABAP 3
5	HCM_MSS_WDA_1	Enterprise Business Function	HCM, Manager Self-Service on Web Dynpro ABAP
6	HCM_MSS_WDA_2	Enterprise Business Function	HCM, Manager Self-Service on Web Dynpro ABAP 2
7	HCM_TIM_WDA_1	Enterprise Business Function	HCM, Multiple Approvals for Leave Request in ESS and MSS
8	JVA	Enterprise Enhancement	



If any of the aforementioned business functions is vital to your business needs, please contact your SAP manager for your validation

# Fiori App User Experience Recommendations



## Summary

Transactions to be UX enhanced **250**

No. of Fiori apps recommended **395**

Module to be most UX enhanced **MM**

## Prominent areas to be Fiori-enhanced

- 👍 FI (Financial Accounting)
- 👍 PM (Plant Maintenance)
- 👍 MM (Materials Management)

## Top 5 transactions to be Fiori-enhanced

- ☑ ME23N
- ☑ IW32
- ☑ ME53N
- ☑ VA01
- ☑ IP10

💡 The List of all Fiori applications can be found in KTERN Application which can allow project members to arrive at most relevant applications and list of users impacted by the same

# Fiori App User Experience Recommendations



## Summary

Transactions to be UX enhanced **250**

No. of Fiori apps recommended **395**

Module to be most UX enhanced **MM**

## Prominent areas to be Fiori-enhanced

- 👍 FI (Financial Accounting)
- 👍 PM (Plant Maintenance)
- 👍 MM (Materials Management)

## Top 5 transactions to be Fiori-enhanced

- ☑ ME23N
- ☑ IW32
- ☑ ME53N
- ☑ VA01
- ☑ IP10

💡 The List of all Fiori applications can be found in KTERN Application which can allow project members to arrive at most relevant applications and list of users impacted by the same

# Test case recommendations

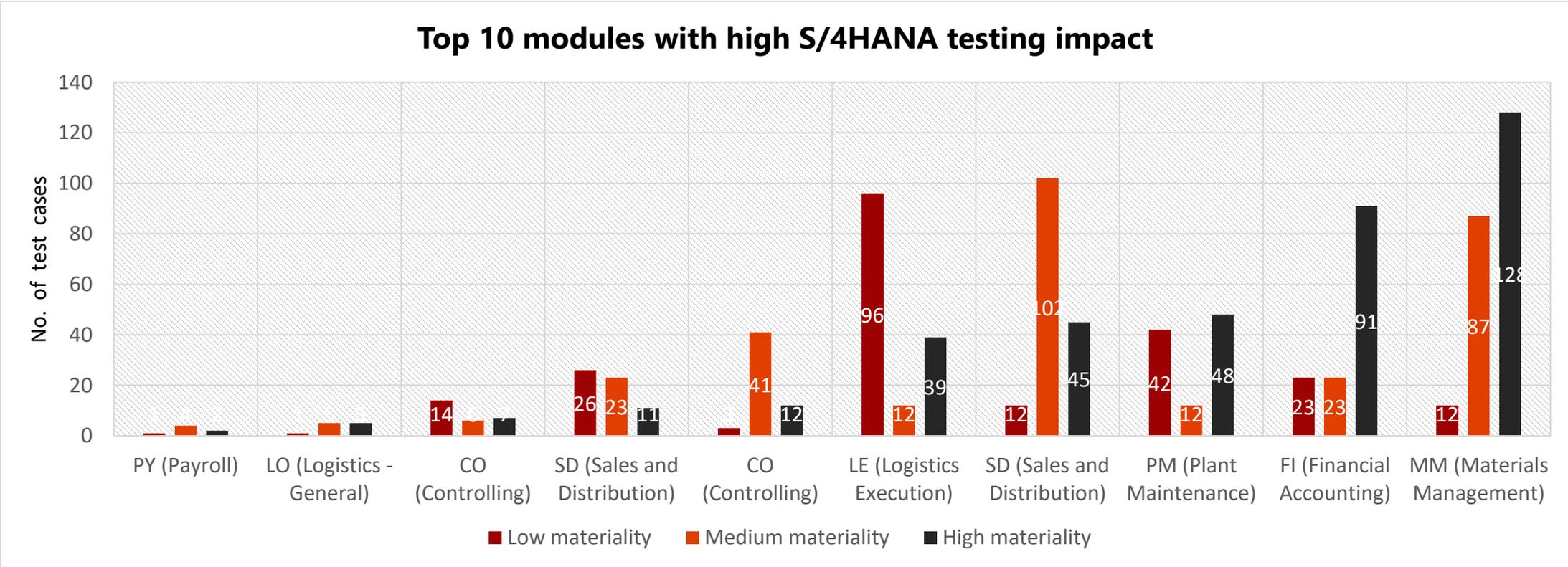


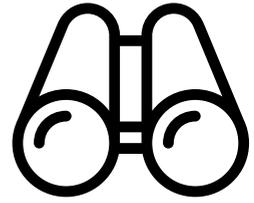
## Summary

No. of test cases recommended **1853**

No. of roles impacted **62**

Module with most no. of test cases **MM**





### 3. LANDSCAPE ASSESSMENT



# System Profiler



## Overview

### DETAILS

Machine Type : 4x AMD64 Level 6 (Mod 45 Step 7)  
 OS : Windows NT  
 Node Name : APJECCQ1  
 ABAP Load Version : 2113  
 CUA Load Version : 40  
 No. of CPUs : 4  
 CPU type : Intel(R) Xeon(R) CPU E5-2690 @ 2.90GHz



**SAP NW VERSION**  
740



**SAP ECC VERSION**  
SAP ECC 6 EHP 7



**SYSTEM ID**  
SBX



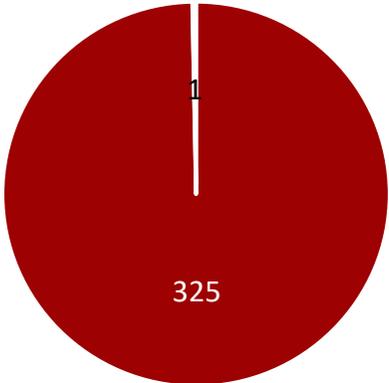
**IP ADDRESS**  
10.0.1.124



**TYPE**  
UNICODE



**DATABASE**  
MSSQL



### DB size

- Used space (GB)
- Free space (GB)

### CLIENTS

000	SAP AG	Walldorf	EUR
001	Auslieferungsmandant R11	Kundstadt	USD
066	EarlyWatch	Walldorf	EUR
300	Quality Client	Jubail	SAR

# User Profiling Statistics



## Summary

Total no. of named users

484

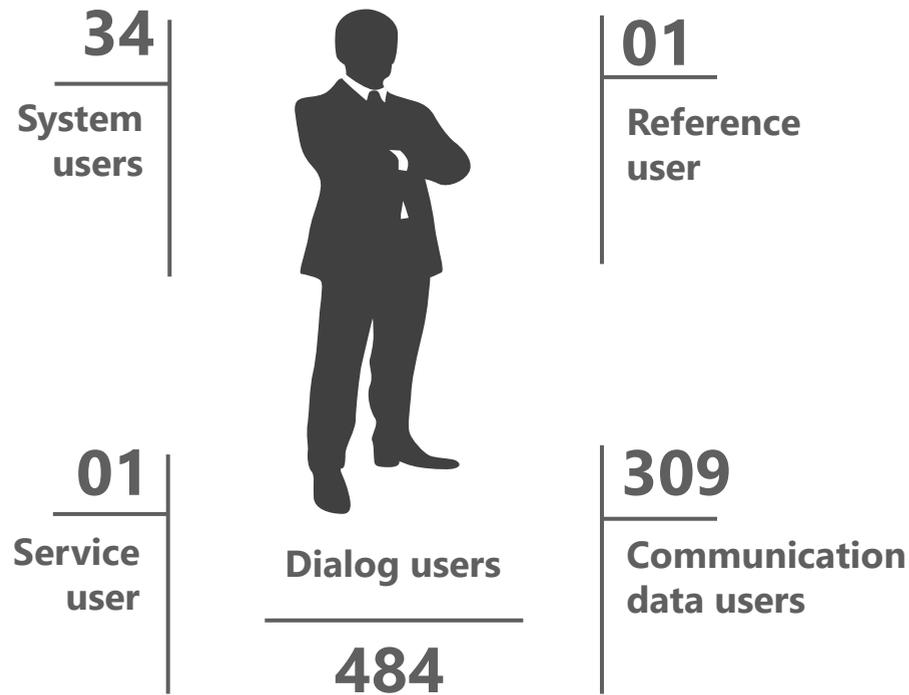
No. of active named users

230

No. of inactive named users

254

## User types



## Top user types to be License-Optimized



178



SAP Application Professional

25



Operational

12



SAP Application Limited Pro

24



(License type unknown)

9



mySAP Professional (Cat. II)

3



Test



# Addon Analytics

## Compatibility checks



No. of addons that have to be verified for compatibility in S/4HANA 1909

2

---

1	SAP HCM RENOVATION	2.0	HR RENEWAL 2.0
2	VISTEX VIZI	6.0E	VISTEX VIZI

---



If any of the aforementioned addons is vital to your business needs, please contact your SAP manager or the third party vendor (if any) for your validation

# Interface Review



## Overview

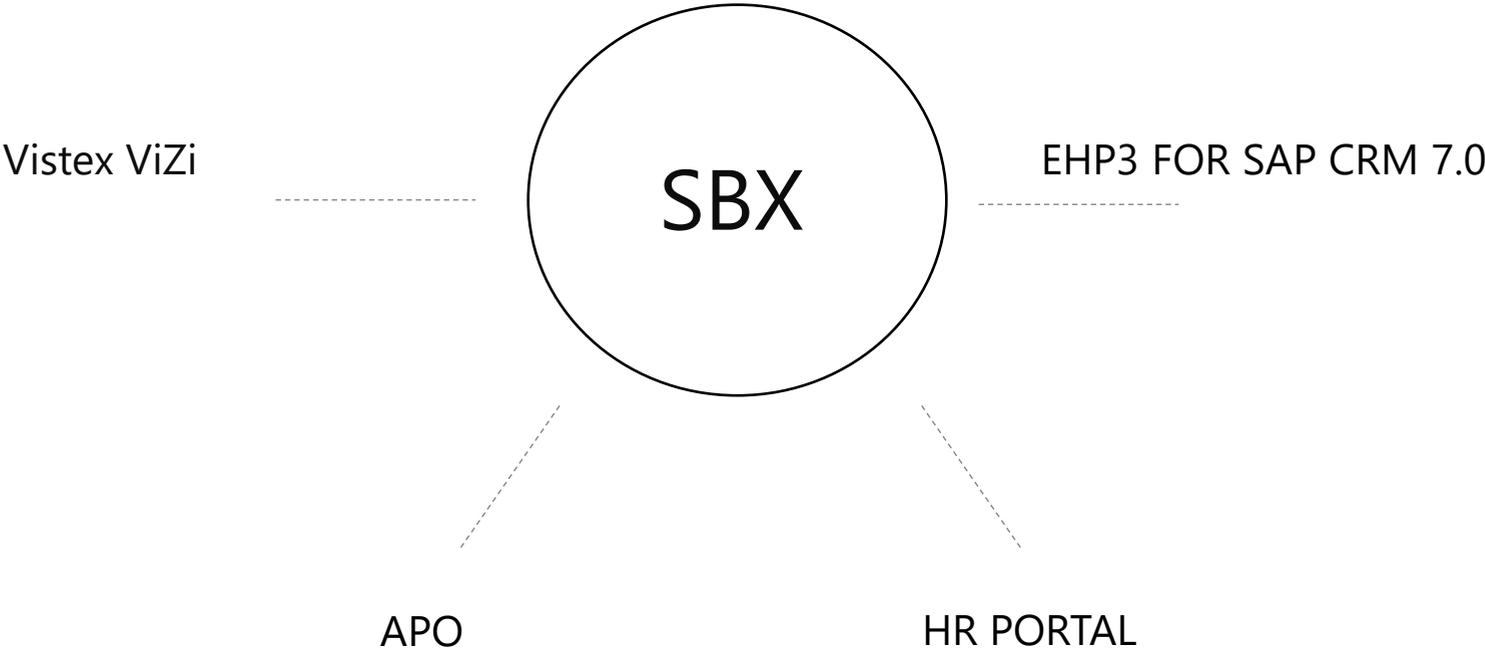
### DETAILS



HTTP Connections to external server	: 4
TCP/IP Connections	: 41
Addons	: 10
Notable interfaces to SBX	: 5



Interfaces are one of the likely areas which are risk-prone during testing phase of project execution. Ktern.AI will determine the possible test scenario recommendations to overcome the same.



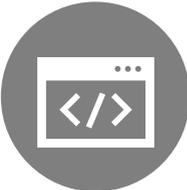
# Archiving Recommendations

## Statistics



Documents to be archived

6738



Custom programs to be archived

549

---

1	Process orders overdue for deletion flag	650 documents
2	Purchase requisition items open & overdue	4303 documents
3	Open items of vendors (FI-AP)	459 documents
4	Open items of customers (FI-AR)	1326 documents

---



KTern suggests to archive the required objects upon validating it with the respective customer SMEs inorder to reduce the data footprint when moving to S/4HANA.

# Sizing Recommendations

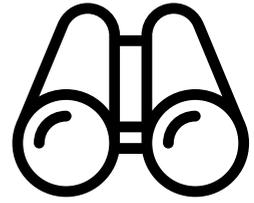


## Estimation

S. No.	Application	Type	SAPS	Cores	Memory (in GB)	Storage Up to (in GB)	OS	Database
1	S4 HANA App Server (Embedded Gateway)	PRD PRIM	8000	6	64	400	RHEL/SUSE	HANA
2	S4 HANA App Server (Embedded Gateway)	PRD HA	8000	6	64	400	RHEL/SUSE	HANA
3	S4 HANA App Server (Embedded Gateway)	PRD DR	8000	6	64	400	RHEL/SUSE	HANA
4	S4 HANA App Server (Embedded Gateway)	QAS	4000	4	32	400	RHEL/SUSE	HANA
5	S4 HANA App Server (Embedded Gateway)	DEV	4000	6	32	400	RHEL/SUSE	HANA

**HANA DATABASE**

1	HANA- 512GB	PRD			HANA2.0 For S/4		RHEL/SUSE	HANA
2	HANA- 512GB	PRD DR			HANA2.0 For S/4		RHEL/SUSE	HANA
3	HANA- 512 GB	DEV/QAS			HANA2.0 For S/4		RHEL/SUSE	HANA



## 4. CUSTOM OBJECTS ASSESSMENT



# Custom Objects Profiler



## Summary

Total no. of custom objects

5565

No. of custom packages

73

No. of highly relevant packages

14



### Top 10 object types with most number of custom objects

1	Program	578
2	Transaction	253
3	Table	213
4	Data Element	198
5	Domain	116
6	Enhancement Implementation	74
7	Function Group	66
8	Definition of a Maintenance and Transport Object	49
9	Class (ABAP Objects)	37
10	SAPscript Form	32



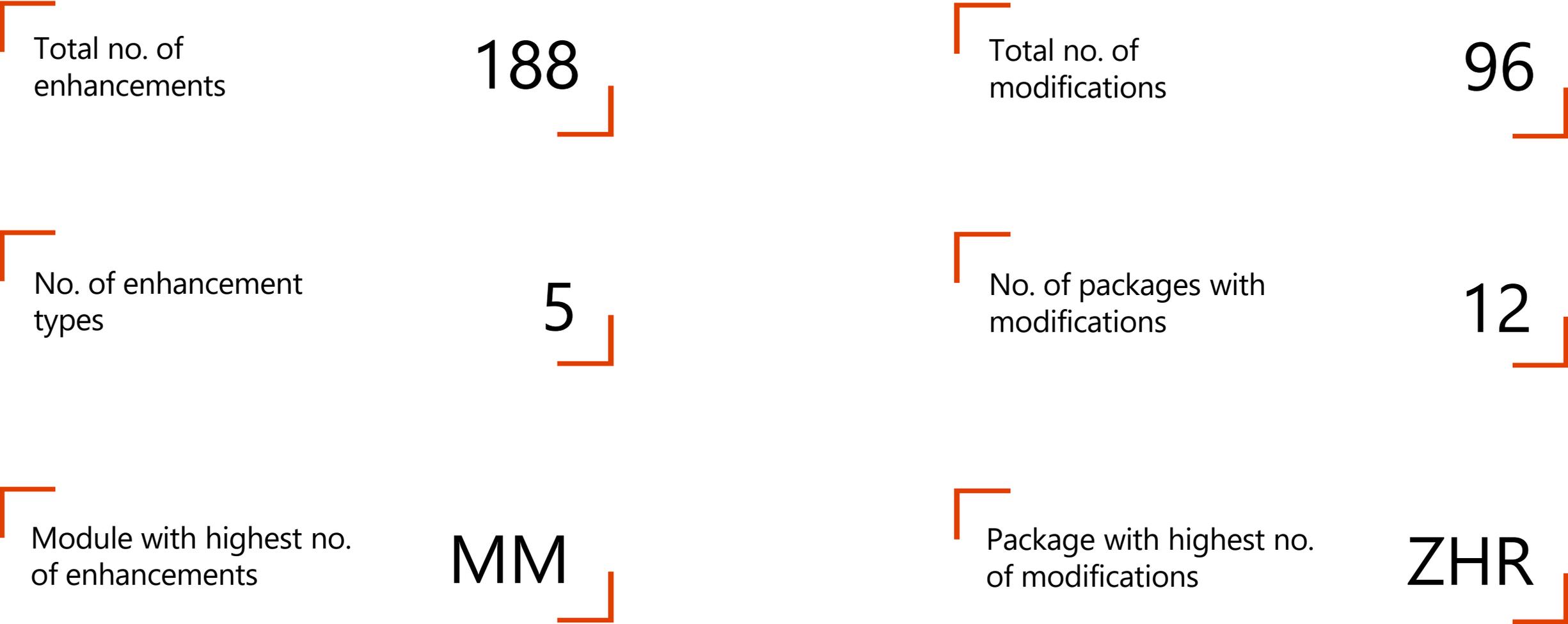
### Top 5 frequently used custom transactions

1	ZPACK	Package : ZSD
2	YTODOSO	Package : ZSD
3	ZSD_SALES	Package : ZSD
4	ZSD_FORECAST	Package : ZSD
5	ZSD_PRICE_UP	Package : ZSD

# Enhancements & Modifications Profiler



## Summary



# Custom Forms Profiler



## Summary

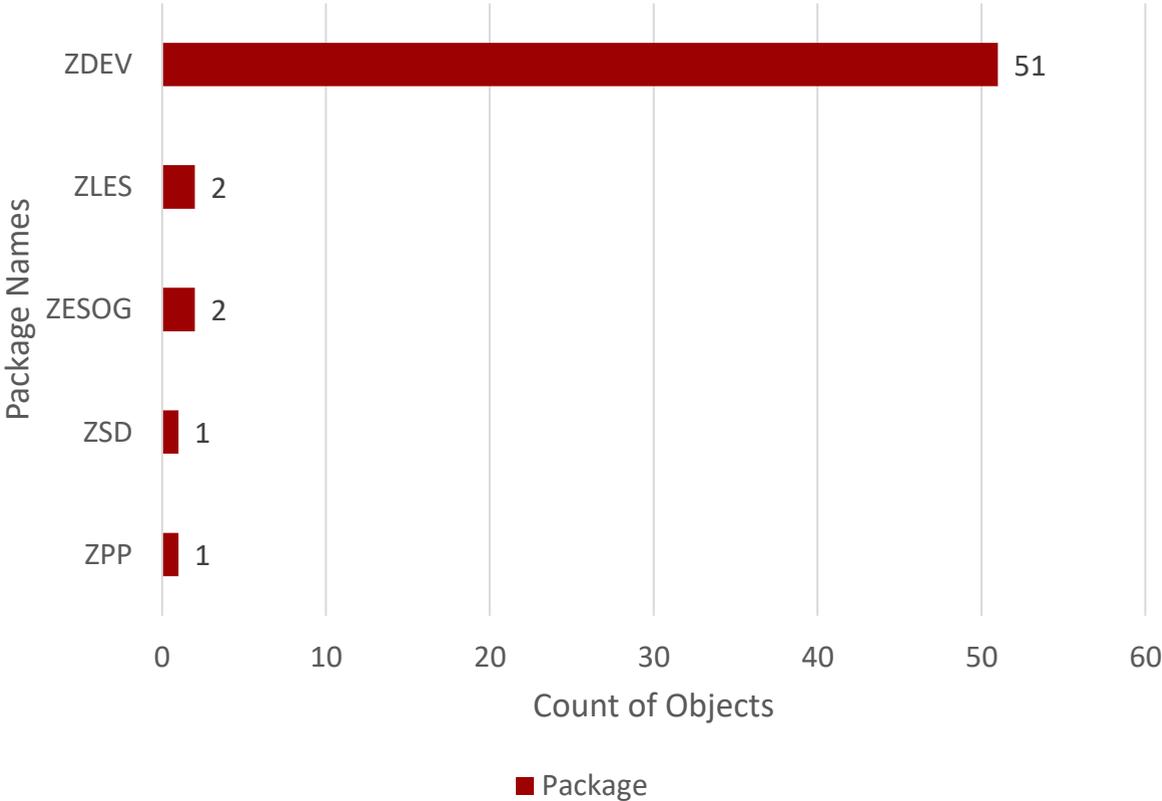
Total SAP Script Forms **30**

Total Smart Forms **27**

### Key Insights

- SAP Scripts and Smart forms can be converted to Adobe Forms to provide native functionality on moving to S/4HANA

Package with Form Objects



# Top 10 Custom Objects



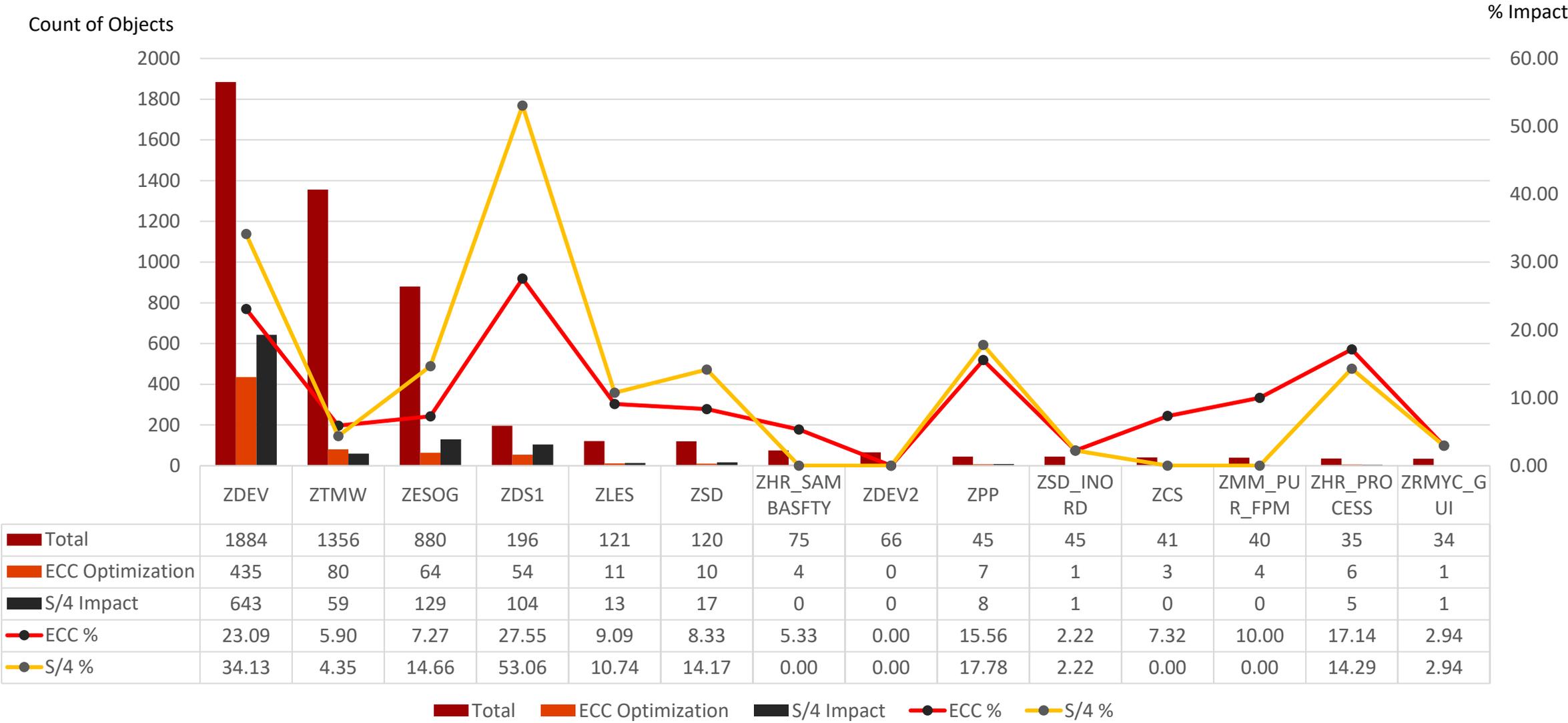
## Summary

S.No.	Package	Custom objects	Description	Background processing rank	Dialog processing rank	HTTPS processing rank	RFC processing rank	SPOOL processing rank	UPDATE processing rank	Overall rank
1	ZDEV	ZUUTFTP30	FTP Utility - File Transfer from SAP to Remote [BE CAREFUL!!]	1	138					1
2	ZDEV	ZXLUPLOAD	Upload Excel		59		1	3		2
3	ZDEV	ZPLANT	INVENTORY		1		21			3
4	/TMW/	/TMW/TERMINAL1	Create TMW Transaction		2				7	4
5	ZDEV	ZFBV0	Parked Document Report - 20020063		6		2	2		5
6	/TMW/	/TMW/SCH2	Change Planned Order		3					6
7	/TMW/	/TMW/SCH	TMW-Planned Order		4		24			7
8	ZDEV	ZVENDAVO_STACK_DATE_SET	Post Date and/or Time To FTP ZMCODES Name	2	172					8
9	ZDEV2	ZARA	AR Aging Report		5	3				9
10	ZDEV	Z005	Income Statement - Curr Month & YTD		7					10

# Optimization and Impact Insights



## Summary



# Top Optimization Areas



## Summary

S. No	Optimization Area	Count of Cases
1	Search DB Operations in loops across modularization units	3,344
2	Search problematic SELECT * statements	1,701
3	Analysis of WHERE Condition for SELECT	434
4	Extended Program Check (SLIN)	188
5	Screen Check for Usability und Accessibility	184
6	Search SELECT statement with DELETE statement	183
7	Prerequisites for the test	89
8	Search SELECT .. FOR ALL ENTRIES-clauses to be transformed	75
9	Analysis of WHERE Condition in UPDATE and DELETE	26
10	Low-Perform. Parameter Transfers	24
11	GUI Usability Check	22
12	Web Dynpro Programming Conventions	6

# Top Impact Areas



## Summary

S. No	Impact Area	Quick Insights	SAP Note Ref.	Count of Cases
1	Material Number Field Length Extension	The material number and related data types are extended.	2215424	964
2	Amount Field Length Extension: Code Adaptations	In SAP S/4HANA, currency amount fields with a field length between 9-22 including 2 decimals have been extended to 23 digits including 2 decimals	2610650	540
3	S4TWL - SD Billing Document Draft	If you have custom code accessing tables VBRK or VBRP you have to check whether you need to filter on VBRK-DRAFT = SPACE or VBRP-DRAFT = SPACE to keep the existing logic of your custom code.	2768887	139
4	S/4 HANA: Data Model Changes in Pricing and Condition Technique	SAP objects used by the customer objects have been changed in a syntactically incompatible way.	2220005	97
5	S/4 HANA: Credit Management Changes in FI	The changes of credit management in the area of sales and distribution should be checked	2227014	81
6	S/4 HANA: Data Model Changes in SD	Elimination of status tables VBUK and VBUP Change of the technical structure of document flow table VBFA Field length extension of field VBTYPE (SD document category) and elimination of field VBTYPE_EXT.	2198647	74
7	General Ledger: Incompatible changes in S/4HANA compared to classic ERP releases	Obsolete Tables like BSEG, BKPF. FAGLFLEXA tables are views. Summary Tables GLT0 is also affected. General Ledger	2431747	73
8	Using compatibility views in custom programs in SAP S/4HANA	BSID, BSAD, BSIK, BSAK, BSIS, BSAS, FAGLBSIS, FAGLBSAS, GLT0, FAGLFLEXT, FMGLFLEXT, PSGLFLEXT, JVGLFLEXT, ANLC, ANEP, ANEA, ANEK, COSP, COSS, COEP, COVP. Optimization of DB access is required	2602107	48
9	S/4HANA: Indirect Relationships in SD Document Flow Table VBFA	SAP objects used by customer objects are changed incompatibly. STUFE Field from Database Table VBFA	2470721	46
10	Material Number Field Length Extension: Code Adaptions for usages of released RFCs and BAPIs	The material number and related data types are extended.	2438131	39

# Custom Objects Profiling

## Insights

Total no. of custom codes **578**

No. of frequently USED custom codes **127**

No. of frequently USED custom codes IMPACTED **94**

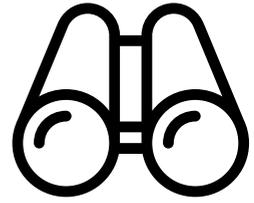
 Custom code optimization and impact analysis results are taken into consideration for KTERN's automated project roadmap and effort estimation

 Top technical object stakeholders who can be part of project are ABAP001, WILLIAMS, JESSYTFA

 13% of custom process can be converted to standard processes in S/4HANA

 65% of the IMPACTED custom programs can be auto-corrected by KTERN

 KTERN's S4HANAPEDIA.AI will suggest the possible solutions for 35% of the IMPACTED custom programs to be corrected manually



## 5. ROADMAP AND EFFORT ESTIMATION



# SAP S/4HANA Transition for **Global Group**

## Automated Roadmap & Effort Formulation

### KTern's S4HANAPEDIA.AI

The automated roadmap & effort for Global Group is formulated by auto-learning knowledge base engine that derives analytical insights from a set of parameters



- ✓ System conversion approach with lift and shift methodology
- ✓ Impact of simplification items
- ✓ Impact of custom codes and other technical objects
- ✓ Interface considerations in testing
- ✓ Compatibility checks
- ✓ Risk variables
- ✓ Testing scope based on materiality and complexity analysis

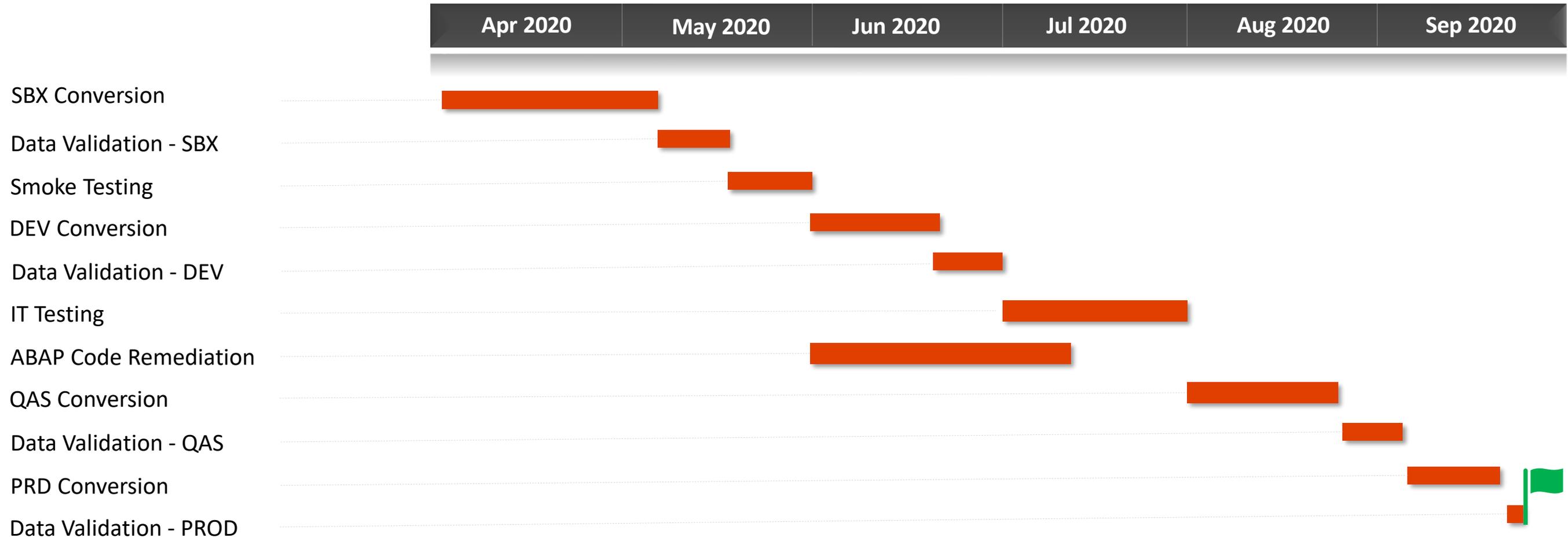
# SAP S/4HANA Transition for **Global Group**

## Proposed Timeline

 Project Duration  
**6 Months**

 Project Commencement  
**02 Apr, 2020**

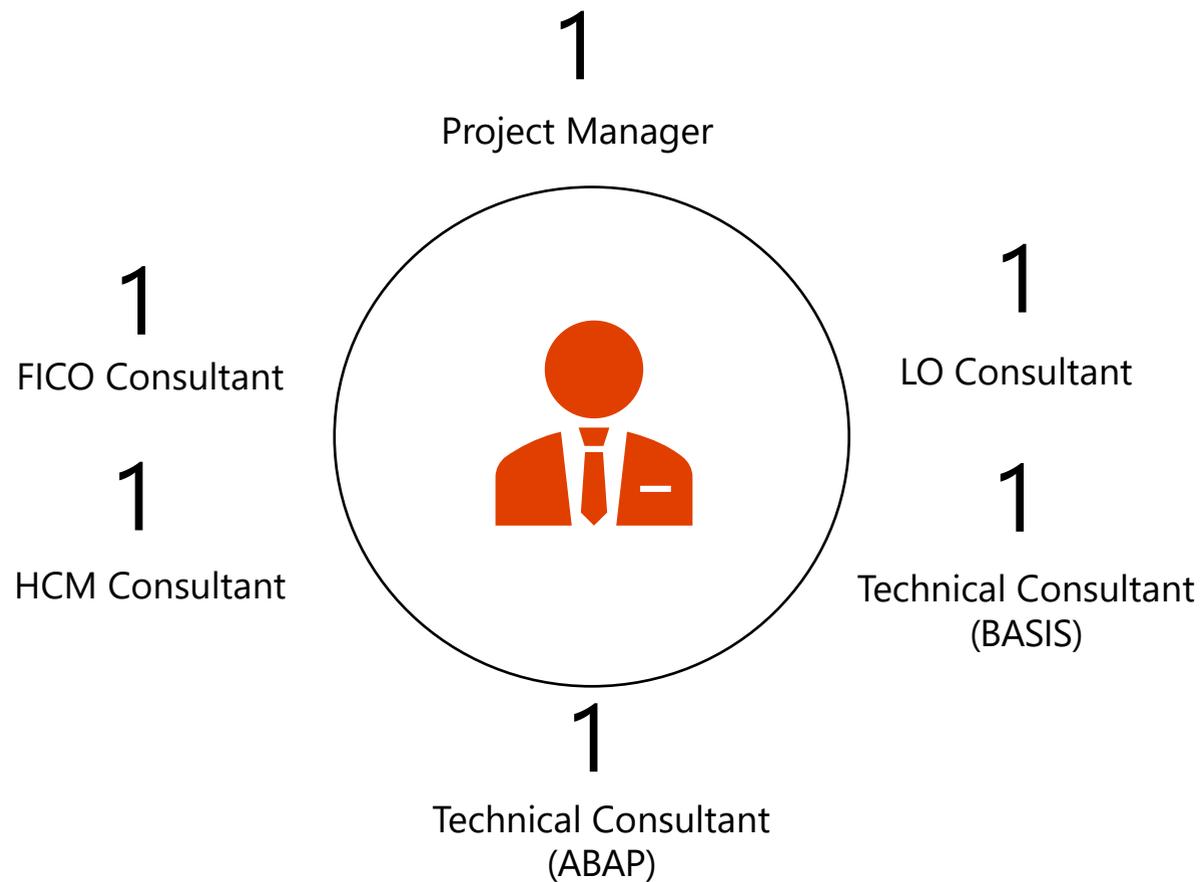
 Project Go-Live  
**21 Sep, 2020**



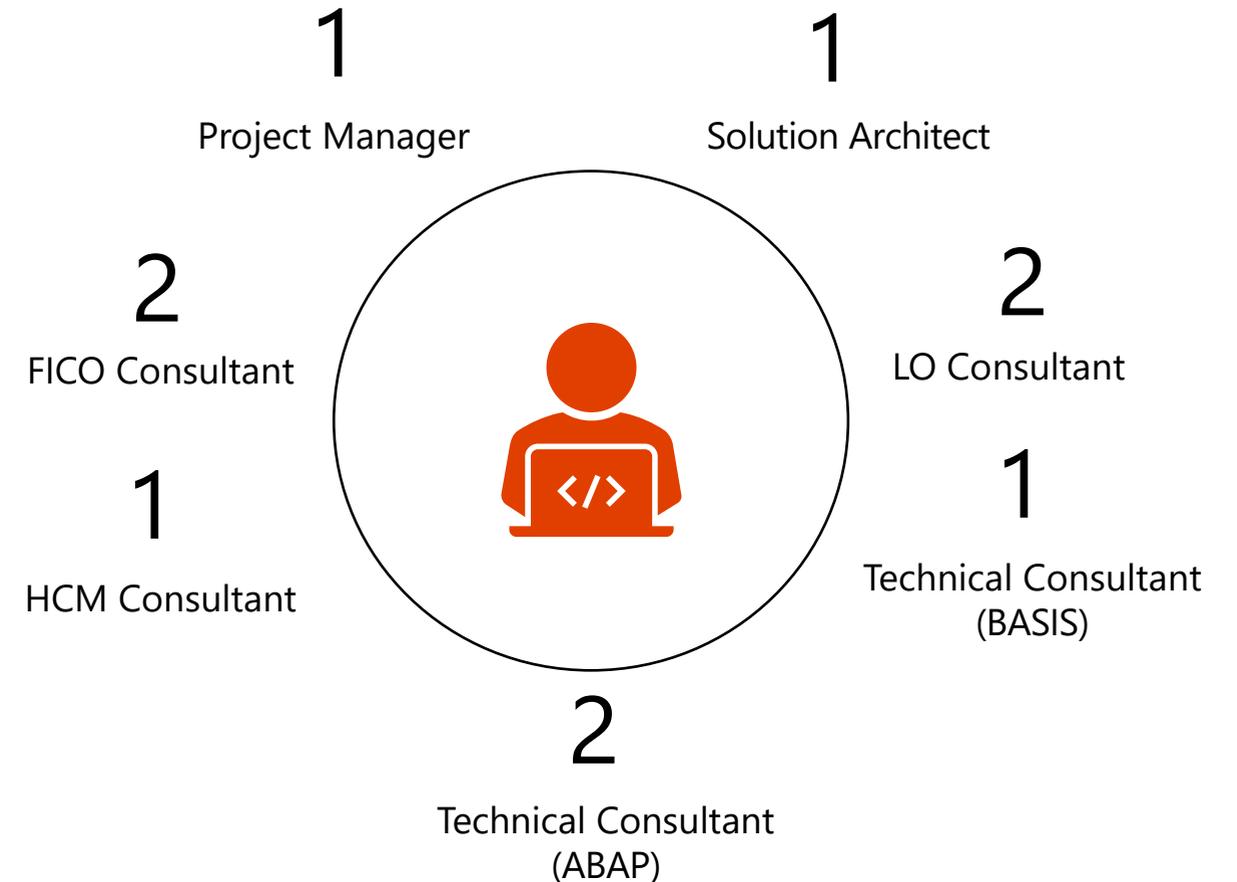
# SAP S/4HANA Transition for **Global Group**

## Proposed Effort Estimation

Customer  
(Global Group)  
No. of Resources



System Integrator  
(Universal Technologies)  
No. of Resources



# Business Transformation for Global Group

#1

Transformation Wave

## Life Sciences | Optimization of Sourcing and Contract Management

### Recommended for optimization



Spend Classification and Enrichment (SAP Ariba)



Strategic Sourcing for Industries (SAP Ariba)



Purchase Contract Management (SAP S/4HANA OP)

### Transformation insights



Drive trusted, confident decisions based on insightful spend analysis, classification, and enrichment



Manage all spend types, including advanced direct materials, using a single solution



Maximize savings and compliance by optimizing procurement contract management



9 /10

TO-BE Value score



7 /10

TO-BE Volume score



9 /10

TO-BE Velocity score



24%

Business Transformation

# Business Transformation for **Global Group**

#2

Transformation  
Wave

## **Life Sciences | Optimization of Drug Formulation and Recipe Development**

### Recommended for optimization



Integrated Recipe Development (SAP S/4HANA OP)



Handover to Manufacturing (SAP S/4HANA OP)

### Transformation insights



Improve sourcing savings on direct spend and accelerate time to market through collaborative product development & massive efficiency gains



Reduce rework cost and speed up time-to-volume by working directly with engineering and manufacturing data structures in one real-time solution



**8** /10

TO-BE **Value** score



**8** /10

TO-BE **Volume** score



**9** /10

TO-BE **Velocity** score



**19%**

**Business Transformation**

# Business Transformation for **Global Group**

#3

Transformation  
Wave

## **Life Sciences** | Optimization of **Warehouse Management**

### Recommended for optimization



Extended Warehouse Management (SAP S/4HANA OP)



Warehouse Insights (SAP S/4HANA OP)

### Transformation insights



Deliver the optimal order and improve supply chain FTE productivity



Increase inventory transparency with overview page to support the inventory analyst in daily business and reduce fixed capital with inventory analysis displaying obsolete stock



**8** /10

TO-BE **Value** score



**9** /10

TO-BE **Volume** score



**7** /10

TO-BE **Velocity** score



**16%**

**Business Transformation**

# Business Transformation for Global Group

#4

Transformation Wave

## Life Sciences | Optimization of Direct Material Plan and Forecast

### Recommended for optimization



Replenishment and Supply Planning (SAP IBP)



Manufacturing Supply Network Planning (SAP IBP)



Material Requirements Planning (SAP S/4HANA OP)

### Transformation insights



Meet inventory targets while satisfying demands with efficient replenishment and deployment planning



Improve customer service and reduce inventories through manufacturing supply network planning



Make proactive decisions for materials requirements planning in response to changing demand



9 /10

TO-BE Value score



8 /10

TO-BE Volume score



8 /10

TO-BE Velocity score



18%

Business Transformation

# Business Transformation for **Global Group**

#5

Transformation  
Wave

## **Life Sciences** | Optimization of **Advanced Track and Trace**

### Recommended for optimization



Serialization, Tracking and Tracing (SAP Advanced Track and Trace for Pharmaceuticals)

### Transformation insights



Comply with country-specific legal requirements on serialization, tracking and tracing, and regulatory reporting of pharmaceutical products



Report serial number events to authorities and business partners, enabling compliance to international legislation



Browse and effect internal reporting on the usage and distribution of serial numbers globally



**8** /10

TO-BE **Value** score



**8** /10

TO-BE **Volume** score



**7** /10

TO-BE **Velocity** score



**14%**

**Business Transformation**

# KTern.AI Automated Digital Workplace for **Global Group**

## **Digital Projects**

SAP Activate empowered project execution platform for an Intelligent Digital Workplace to address Hybrid Workforce and Productivity Environment

### **SAP Activate**

Empowered on SAP standards

### **SAP Model Company**

Empowered on SAP standards

## **Digital Maps**

Data Empowered Digital Roadmap generator to provide Digital Planning, insights and Business Case Builders for Enterprises to stay agile and robust to Market Changes

## **Digital Process**

World's First Digital Process Platform that work natively with SAP BPML or GSI for accelerated Implementation, Fit Gap Analysis, Training Academy, Custom Code Remediation

### **SAP Scope Item**

Empowered on SAP standards

## **Digital Labs**

RPA 2.0 based SAP Testing to address the 40-60% Effort in Testing and Go Live Audit Checks with Business API and Business UI Bots for Autonomous Testing

### **SAP Business API**

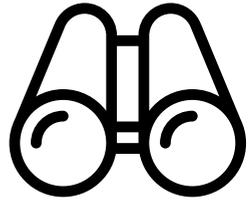
Empowered on SAP standards

### **SAP Guided Outcomes**

Empowered on SAP standards

## **Digital Mines**

Continuous Process Insights and Conformance Checks to help organizations identify Happy Paths, Anomalies, Refine Process, Redesign existing Processes.



© 2020 Limited to Global Group, Universal Technologies and KTERN. All rights reserved. No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of KTERN or an KTERN affiliate company. KTERN product and its services mentioned herein as well as their respective logos are trademarks or registered trademarks of KTERN in United States and other countries. Some software products marketed by KTERN and its distributors contain proprietary software components of other software vendors. National product specifications may vary. These materials are provided by KTERN or an KTERN affiliate company for informational purposes only, without representation or warranty of any kind, and KTERN or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for KTERN or KTERN affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty. In particular, KTERN or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and KTERN's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by KTERN or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

