

The logo for EPI-USE, featuring the text "EPI-USE" in a bold, sans-serif font. The "E" is stylized with a red and blue gradient, and a registered trademark symbol (®) is located to the upper right of the "E".

EPI-USE®



Warum ein business-zentrisches Berechtigungskonzept
für S/4HANA smarter und effizienter ist

Gordon Brandt – EPI-USE Labs GmbH

**Ein SAP S/4HANA Transformations Projekt ist
kein IT-Projekt
sondern ein Business-Projekt mit IT-Unterstützung.**

**Mit einem business-zentrischen
Berechtigungskonzept enabled die IT das Business
sich auf seine Kernkompetenzen zu konzentrieren.**

Änderungen mit S/4HANA

Neue Funktionsbereiche & Prozesse

- Vereinfachung und Anpassung der bestehenden Funktionsbereiche
- Neue Funktionsbereiche (z.B. Retail, Oil, Research, Healthcare, Traffic Control etc.) einschließlich neuer Funktionalitäten und Kernelemente (siehe Simple Finance Elements)

Applications, Tools

- Konsolidierung der bestehenden Applications/Tools (z.B. Abschaffung ABAP WebDynPros), Ersatz von neuen Applications/Tools (Fiori, Neue Transaktionen etc.)
- Neue Add-Ons wie z.B. Portfolio und Project Management for S/4

Kundenentwicklungen

- Pre-Checks sind vor Beginn der Migration notwendig, da die bestehenden ABAP-Codes an SAP HANA angepasst werden müssen, um die neuen Tools zu unterstützen, u.a. Code Inspector und SAP Notes Implementation for Code Optimization

Änderungen an Elementen

- Beseitigung / neue Objekte, Transaktionen und Tabellen sowie Redundanzen, Sekundärindizes und Caches, Änderungen in Tabellen, Eliminierung von Feldern, Erweiterung von Datentypen
- Veränderte Berechtigungsstruktur durch Fiori

Funktionalitäten

- Konsolidierung der bestehenden Funktionalitäten
- Hinzufügen neuer Funktionalitäten (z.B. SAP Document Center, Embedded Analytics etc.)
- Beseitigung alter Funktionalitäten

Auswirkungen auf das Authorization Concept

Vertrautheit mit den diversen Komponenten (Front-End/Back-End-Server), Deployment Szenarien

Angleichung des Back-End- und Front-End- Authorization Concept

Verständnis für die Berechtigungsrelevanten Elemente (Was bleibt wie es ist / was ändern sich?)

**Kern-Überlegungen
für das Authorization
Team**

Verstehen der Sicherheitsanforderungen und Bereitstellen von Zugriffsrechten mit Least-Privilege Prinzip

Neue Berechtigungsdimension im Front-End (Fiori Catalogs & Groups) neben dem "alten" ABAP Application Layer

Fehlerbehebung für neue Berechtigungsdimensionen (ST01, SU53 etc. sind nicht mehr die einzigen Tools)

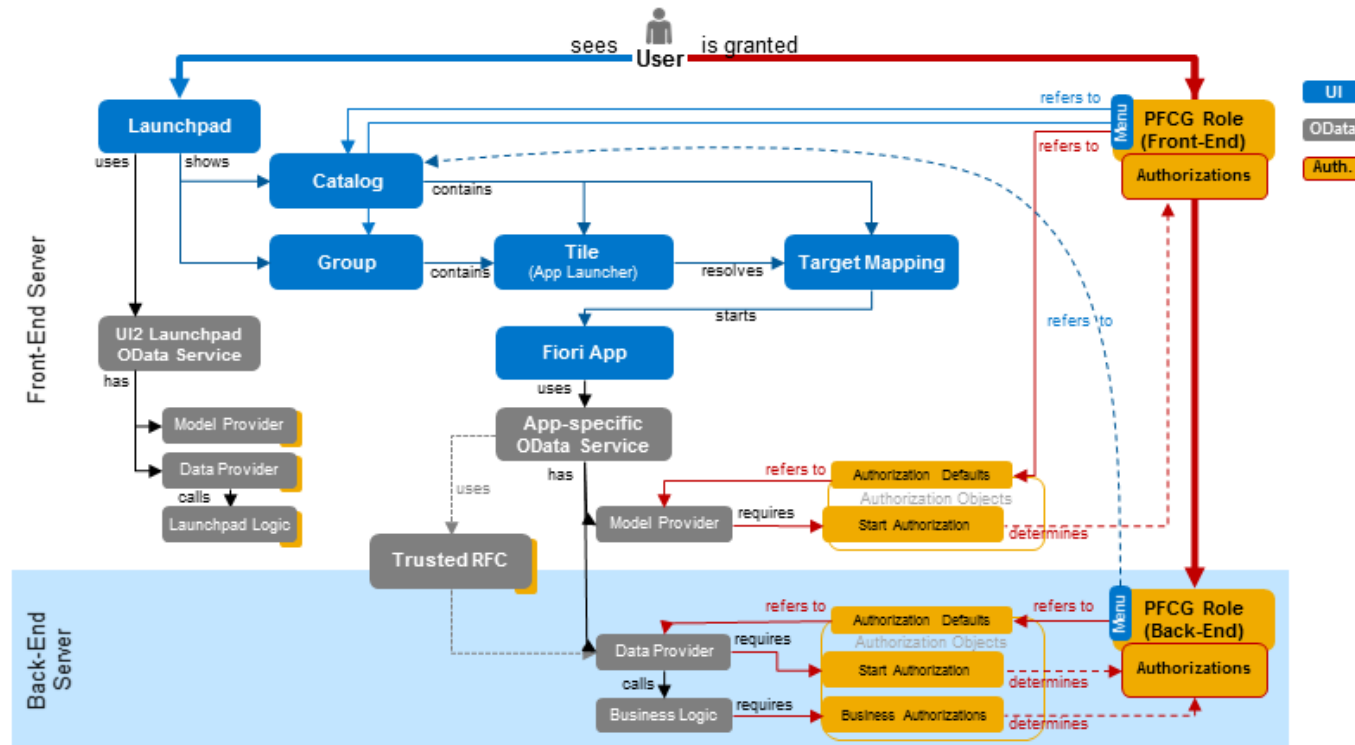
Auswirkungen auf das Authorization Concept



Auswirkungen auf das Authorization Concept

Fiori Front-End Authorization Concept

- Catalog: Sammlung von Apps, die für eine Rolle verfügbar gemacht werden sollen. Technisch gesehen werden die Apps als Kacheln dargestellt, die zum Starten der App verwendet werden. Die Zielzuordnung verweist auf die zu startenden Apps und legt fest, "wozu Sie berechtigt sind".
- Group: Teilmenge des Katalogs, die definiert, "was Sie sehen". Es ist die Darstellung von Launchpad mit ausgewählten Fiori-Apps, die in Ihrem Katalog verfügbar sind
- Role: Enthält Verweise auf Kataloge und Gruppen. Rollen ermöglichen dem Benutzer den Zugriff auf Anwendungen in diesen Katalogen und Gruppen.



Auswirkungen auf das Authorization Concept S/4HANA Back-End Authorization Concept

Beim Umstieg von SAP ECC auf S/4 HANA, stellt sich vor allem die Frage, was neu ist und was wird in S/4 HANA obsolet sein. SAP bietet viele Tools und Berichte, um die Änderungen zu identifizieren.

Simplification List

Liste obsoleter Transaktionen

- Liste veralteter Transaktionen für jeden in SAP involvierten Geschäftsprozess

Neue Transaktionen / Ersatz für alte Transaktionen

- Bereitstellung neuer Simplification Informationen mit jedem neue SAP Release
- Wo immer möglich, stellen Sie die neuen Transaktionen bereit, die die alten Funktionalitäten in SAP ersetzen.

Report - PROFGEN_CORR_REPORT_2

SAP ausgelieferter Bericht passt automatisch das Rollenmenü im S/4-System an

- Entfernt alle alten Transaktionen, die nicht im Rollenmenü vorhanden sind
- Identifizierung aller gesperrten oder veralteten Transaktionen im System
- Zuordnung von alten zu neuen Transaktionen im S/4-System

Exchange of Obsolete Transactions in Role Menu

Automatically adjust menu New Entries Old Entries Role Role Mass Generation

Short Role Description*	Node ID	Old Transaction	Old Transaction	Automatic Adjustment	Does not e...	Locked	Obsolete	New T
SD - Display Factory S...	177	Transaction	VE31	Old entry will be deleted	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	189	Transaction	VV53	Old entry will be deleted	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	262	Transaction	XD03	Entry will be replaced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BP
	263	Transaction	XX03	Entry will be replaced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SD - Maintain Conditio...	10	Transaction	/BSHP/FS_3RD_PARTY	Old entry will be deleted	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

S/4HANA Controls & SoD – Neue Risks und Implikationen

Architektur

- Komplexere Landschaften durch verschiedene mögliche Implementierungsszenarien

Datenbank

- Stärkerer Fokus auf die Datenbank - verstärkt eigene Entwicklungen auf der SAP HANA Datenbank, zunehmend Endanwender mit SAP HANA Zugang

Applikation

- Änderungen in SAP-Anwendungen mit S / 4 HANA - Neue Transaktionen, ersetzte Transaktionen, Apps, geänderte Datenstrukturen

Fiori

- Fiori Apps - neue Frontend-Technologie - Berechtigungsprüfung findet primär im Backend statt

Migration

- Migrationsprojekte in den nächsten Jahren - unterschiedliche Ansätze: Greenfield, Brownfield, Mischformen

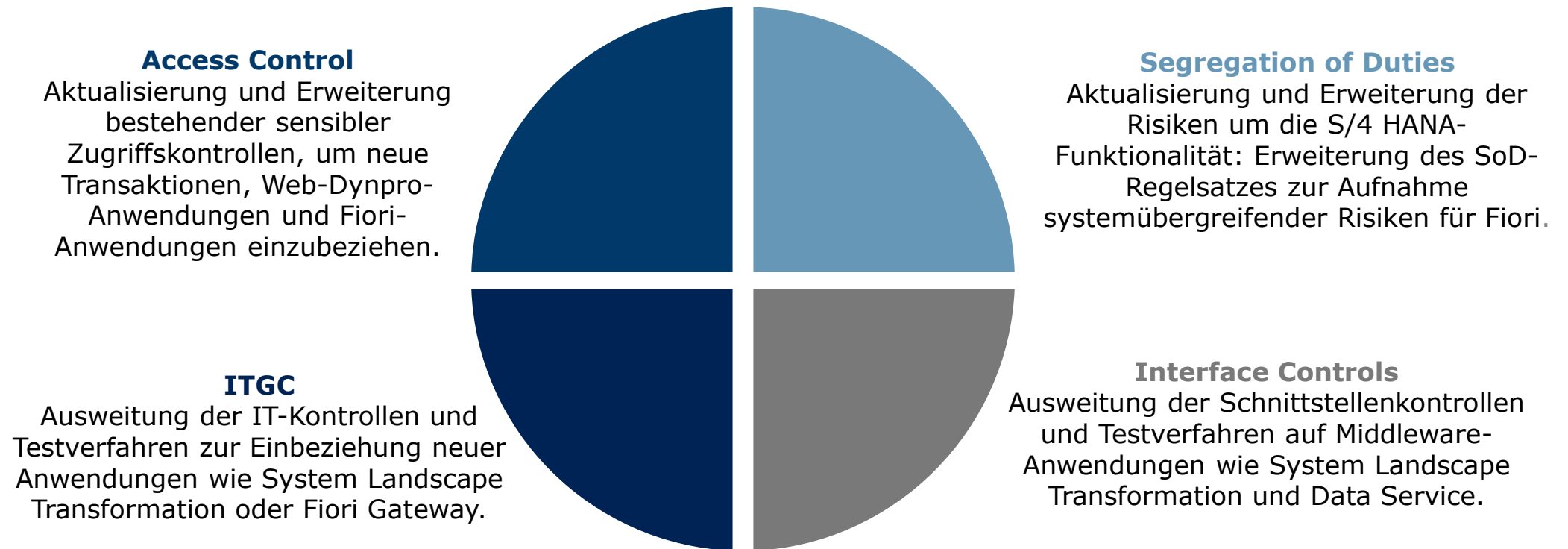
Cloud

- Zunehmende Verlagerung in die Cloud

Produkte

- Neue Softwareprodukte von SAP gekauft: Success Factors, Ariba, Fieldglass, ...

S/4HANA Controls & SoD – Neue Risiken und Implikationen



S/4HANA Authorization Concept: Business-zentrisch & Prozess basiert

Eine Authorization Strategy soll die verbindlichen Anforderungen an das S/4-Berechtigungskonzept definieren

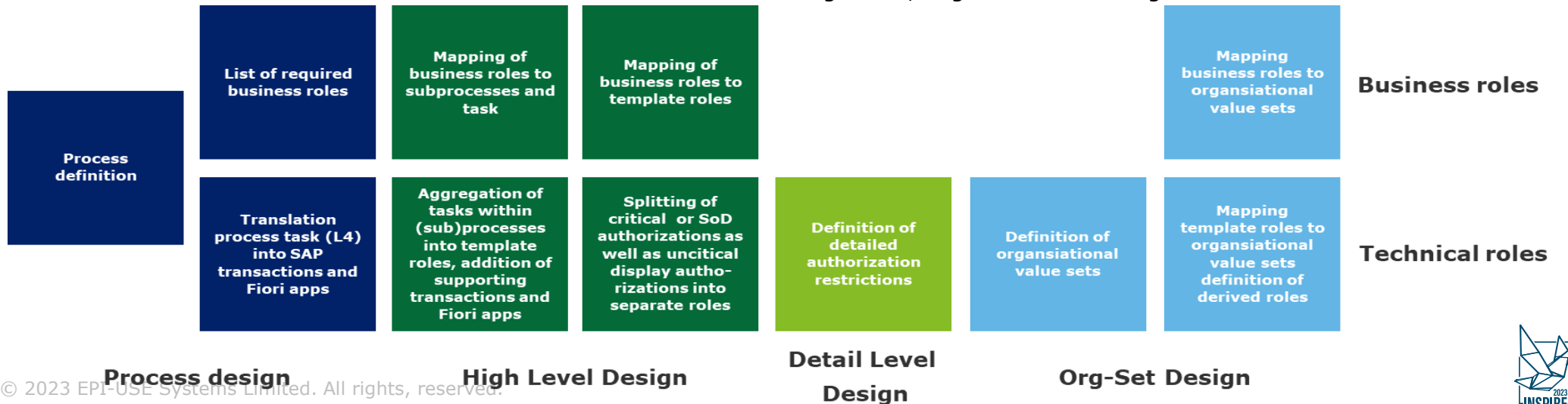
Es berücksichtigt die folgenden Bereiche, um einen ganzheitlichen Ansatz für das Berechtigungskonzept zu gewährleisten

- Leitprinzipien für die Gestaltung und den Umfang des Berechtigungskonzepts
- Business User und Rollen
- Key User und Rollen
- IT-User und –Rollen
- Kommunikations-/Technische-/Schnittstellen-Benutzer und –Rollen
- Support-Benutzer und –Rollen
- Notfall-Benutzer und –Rollen
- Aufgabentrennung und zugehöriges SoD-Regelwerk
- Kritische Berechtigungen

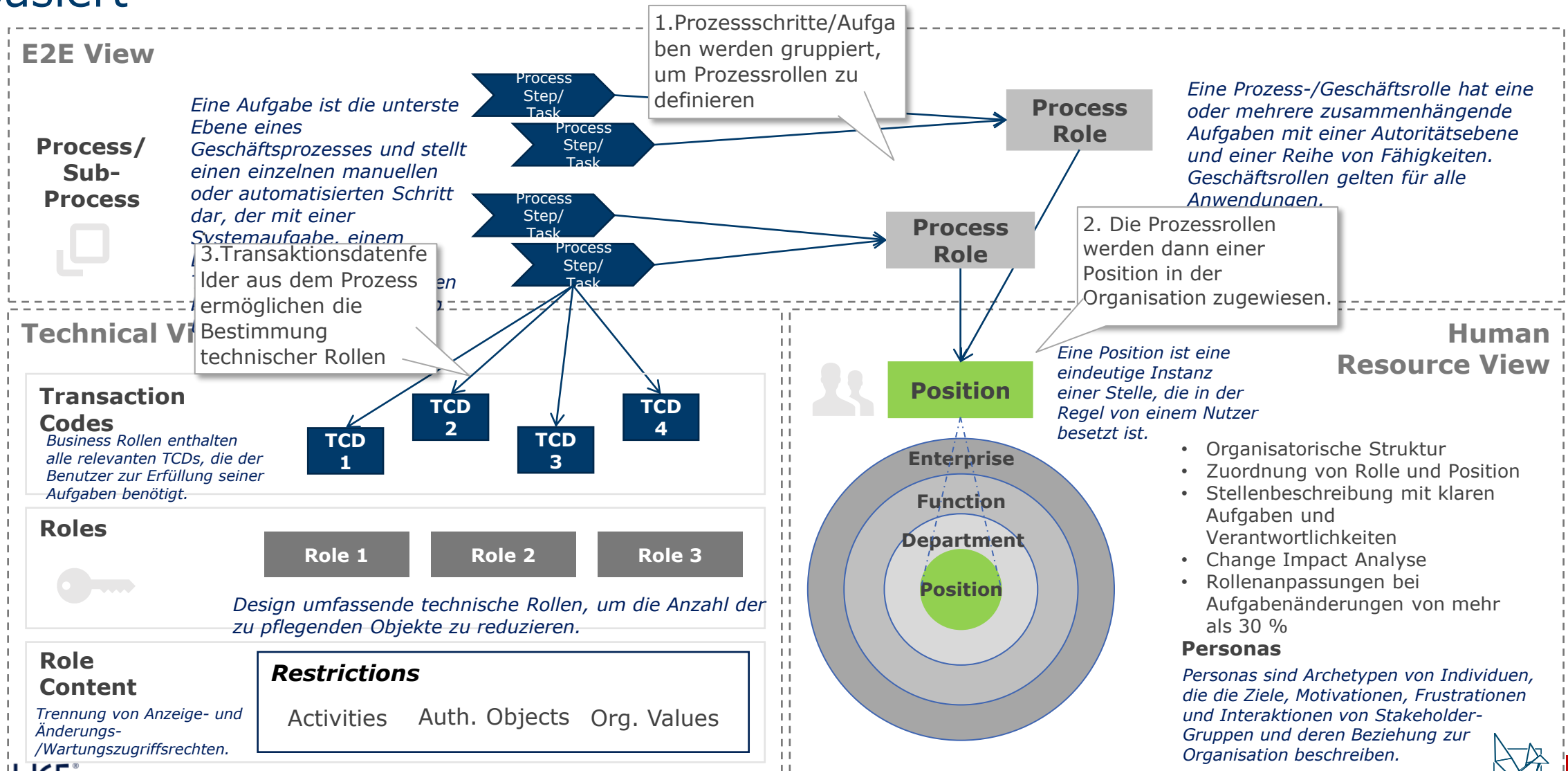
S/4HANA Authorization Concept: Business-zentrisch & Prozessbasiert

Die Business-Rollen sind prozessorientiert und werden in Zusammenarbeit mit dem Business und der IT entwickelt.

- Eine Business-Rolle stellt eine Reihe von zusammenhängenden Aufgaben dar, die mit einer Reihe von Fähigkeiten und Befugnissen verbunden sind.
- Eine Business-Rolle bietet Endbenutzern den entsprechenden Systemzugang und die Fähigkeit, zugewiesene Aufgaben in der Produktionsumgebung auszuführen.
- Anwendung des Need-to-know- und des Least-Privileged-Prinzips
- Das Rollen-Design entspricht den Anforderungsprinzipien, die sich in der Prozessstruktur widerspiegeln
- Initiiert und unterstützt durch Business, Work Streams und IT
- Rollen und Inhalte basieren auf den dokumentierten Prozessebenen im Prozessdesign-Tool, angereichert und zugeordnet zu Job-Profilen



S/4HANA Authorization Concept: Business-zentrisch & Prozessbasiert

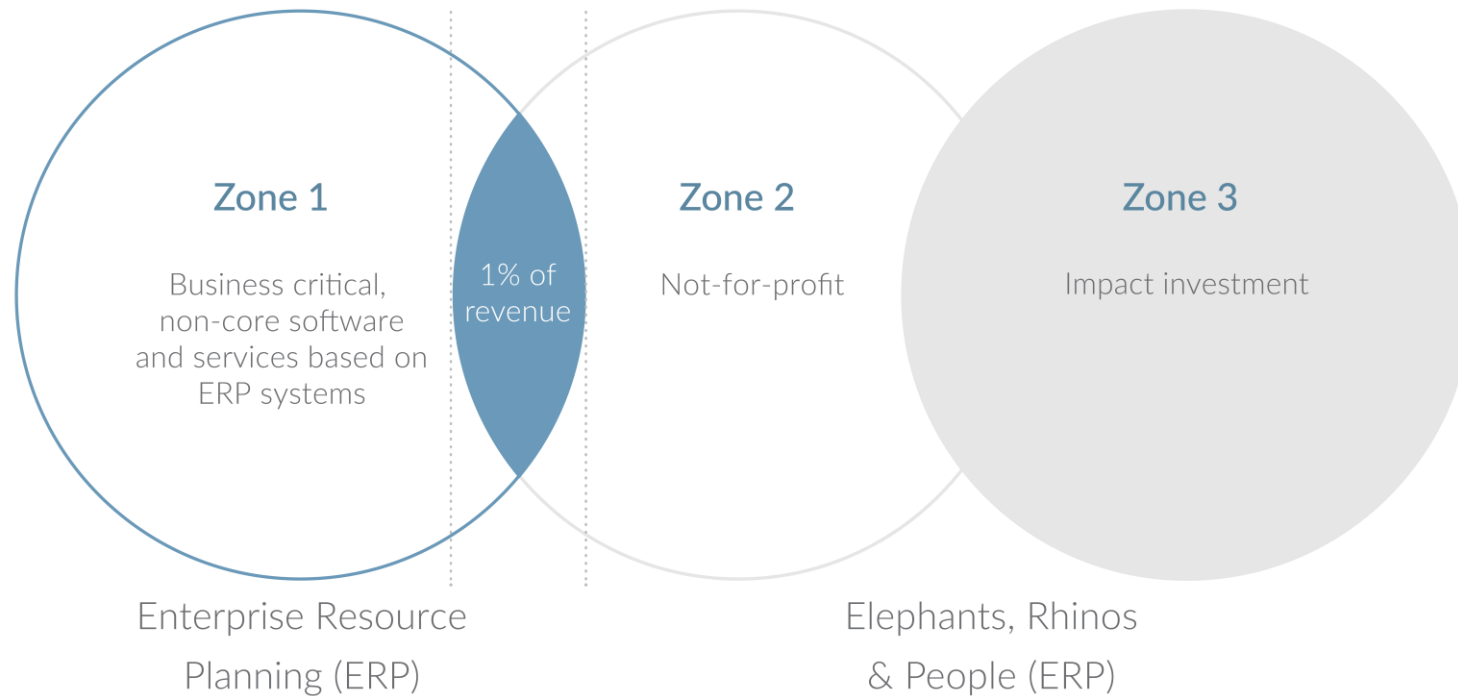




Questions



EPI-USE and groupelephant.com



The multi-zone ERP model

By eradicating poverty through (initially) donor-funded activity (Zone 2), followed by impact investment (Zone 3) projects, the plan is to realize economic benefits for these communities through wildlife economies, ecotourism activities and agriculture.

Group Companies

The Group prides itself on a well-deserved reputation as a global company that is able to deliver consistent excellence in its field, across all industries.



Group Companies (Continued)

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Advance

Bespoke software development, mobility, data services and IoT

AiR

Advance IoT Router, 'AiR', is a Cloud-based hardware and software IoT solution designed to dramatically simplify and lower the cost of data acquisition, for myriad industries and IoT use cases

Business Services

Group Reporting & Analytics

Camarade

A worldwide 'gig' economy-based staff augmentation platform

ClearSky

Global Infor HCM and Finance services, application management, proprietary software products and implementation accelerators

Diceros

Managed cybersecurity services focussed on intrusion prevention, detection and response.

EMS

Employee Managed Services, comprising a range of comprehensive and hybrid, payroll-related managed services

EPI-USE Services for AWS

an Advanced AWS Partner, offering tailor-made AWS Cloud solutions for businesses that need a reliable, managed cloud infrastructure

EPI-USE & EPI-USE Global Services

comprising multiple service lines in the area of Human Capital Management

EPI-USE Labs

Proprietary software, landscape transformation services and Cloud migration services

Evolutio

Operationalizes data platforms like AppDynamics and Splunk to monitor, troubleshoot and secure enterprise systems

G3G

SAP Enterprise Management - Finance, Logistics and Analytics (services with an emphasis on new-generation Cloud-based HANA technology, digital transformation, application management, infrastructure technical services and hosting)

Glyde

Specializing in client-side services for organizations implementing Workday, to better manage risk and improve implementation outcomes for clients. Glyde currently addresses Human Capital Management, Payroll, Financials, Time & Absence, Talent & Performance, Security, Benefits and Integrations

Hyperboliq

Specializing in proprietary software assets for the Higher Education sector

i/Con

Specializing in middle-market Human Capital Management and Payroll in Germany, and German-language markets

iD2

Smart Metering solutions - hardware and software, for power utilities

iLAB

Software Quality Assurance services

iSphere Technologies

Cloud hosting and associated managed services

Group Companies (Continued)

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konkconsulting

Bespoke software development, SAP Human Capital Management implementations, Cloud architecture design services, and cross-platform enterprise integration services

Sapconet

SAP Finance-based custom development, integration, mobility, data services and the IoT

Kreon

IoT solutions, electronic component development, integration of electronic subsystems, embedded hardware and software development

Stratview

Hyperion-based Group Reporting, Enterprise Performance Management and Oracle HCM Cloud

LogBox

Electronic Medical Record Systems

Tusk

Brand, marketing and training solutions across multiple platforms

Magnisol

Supporting clients through the implementation and embedment of Ceridian Dayforce, a fully integrated HCM, WFM, Payroll and Talent Management solution

Zimele

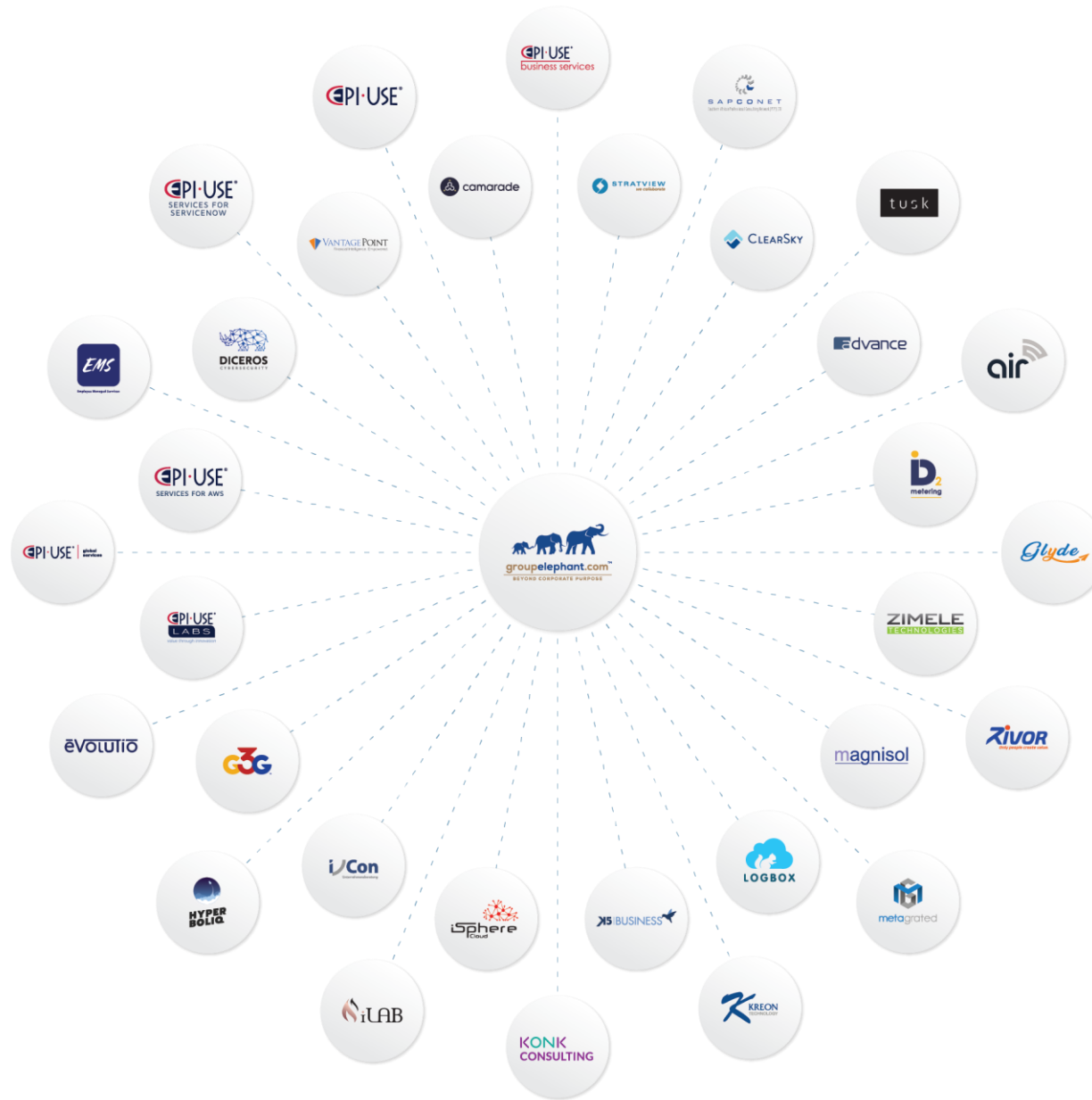
SAP-based Utilities, Real Estate, Building and Energy Management solutions, products and outsourcing).

Metagrated

Provides business-critical security and integration services through trusted security networks and technology

Rivor

Business Process Outsourcing and Advisory services





EPI-USE as your Partner

groupelephant.com is a global group of boutique services firms and software companies, employing 3,500 people in 40 countries. Largely employee-owned, the Group is a mini conglomerate comprising circa 20 trading brands, the best known of which is EPI-USE, the world's largest and most experienced independent SAP HR/Payroll specialist. EPI-USE has emerged as a leader in designing, building, and implementing Cloud-based, hybrid and on-premises HR/Payroll systems for large, complex multinational corporations and public sector agencies.

With a suite covering more than 40 countries, EPI-USE is the world's largest developer and purveyor of SAP local payroll country versions, for regions in which SAP does not offer a standard payroll solution. In its 40-plus year history, EPI-USE has implemented or been involved with more than 1,500 SAP HCM-based implementations around the world, and licenses proprietary SAP-related software to over 1,000 large enterprises and public sector agencies worldwide. EPI-USE Labs, the Group's SAP software arm, also offers non-HR related SAP data management and landscape transformation software and services. EPI-USE is rapidly emerging as a leader in the S4/HANA arena in the US, the UK, the Asia-Pacific region and Southern Africa (through the G3G brand in all but the US).

In addition to the SAP-focused businesses, groupelephant.com includes separate boutique brands specializing in business critical, non-core software and services businesses, traditionally focused on MNCs and large public sector agencies. The Group has services partnerships with all of the hyperscalers, but with an emphasis on AWS.

groupelephant.com is characterized by a primary strategic imperative in terms of which it goes 'Beyond Corporate Purpose' in its day-to-day activities, and operates through a hybrid business model through which it funds and operates non-profits and impact investment businesses. Primary focus areas are the preservation of at-risk Elephants and Rhinos, through the economic upliftment of rural People in areas adjacent to the threatened species, or another definition of 'ERP', if you will. The hybrid business model has been the subject of two University of California Berkeley Haas School of Business case studies, in 2016 and 2021.



SOFTWARE AND SERVICES FOR BUSINESS-CRITICAL, NON-CORE PROCESSES, FOR LARGE ENTERPRISES

1,500+ HR/PAYROLL IMPLEMENTATIONS

7,300+ LICENSES SOLD

40+ PAYROLL COUNTRY VERSIONS

97% LICENSE RENEWAL RATE



20+ TRADING BRANDS

>3,500 EMPLOYEES

PRESENCE IN 40 COUNTRIES

CELEBRATING 40 years SINCE 1983

BEYOND CORPORATE PURPOSE 1% of revenue channelled in to the (ELEPHANTS, RHINOS & PEOPLE) PROGRAM

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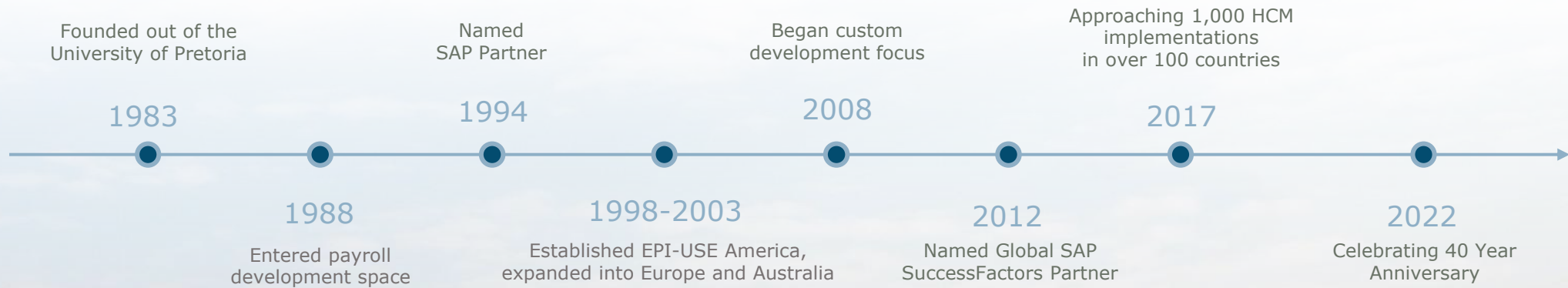
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Our History





SERVICES AND
DEVELOPMENT
PARTNER

SOFTWARE AND SERVICES
FOR BUSINESS-CRITICAL, NON-CORE
PROCESSES, FOR LARGE ENTERPRISES



SOFTWARE
UTILITIES
TO COVER ALL
SAP MODULES

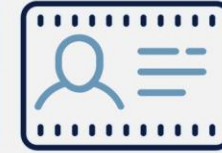


 **1,500+**
HR/PAYROLL
IMPLEMENTATIONS

 **40+**
PAYROLL COUNTRY
VERSIONS

7,300+
LICENSES SOLD

97% LICENSE
RENEWAL RATE



20+ TRADING
BRANDS

>3,500
EMPLOYEES

PRESENCE IN
40
COUNTRIES 



BEYOND CORPORATE PURPOSE
1% of revenue channelled in to the
(ELEPHANTS, RHINOS & PEOPLE) PROGRAM



Global Footprint

We employ more than 3,500 people worldwide.



 Regional Offices

 Implementation Experience

Europe

- Belgium – Antwerp
- Czech Republic – Prague
- Denmark – Copenhagen, Aarhus, Fredericia
- Finland – Helsinki
- France – Lille, Paris
- Germany – Berlin, Frankfurt, Walldorf
- Netherlands – Maarsbergen
- Poland – Warsaw
- Portugal – Porto
- Romania – Bucharest
- Spain – Madrid
- Sweden – Stockholm
- Switzerland – Zurich
- United Kingdom – London

Americas

- Argentina – Buenos Aires
- Brazil – São Paulo
- Canada – Toronto
- Chile – Santiago
- Colombia – Bogotá
- Costa Rica – San Jose
- Ecuador – Quito
- Mexico – Mexico City
- Peru – Lima
- United States – Atlanta, Indianapolis
- Uruguay – Montevideo

Asia Pacific

- Australia – Brisbane, Canberra, Melbourne, Perth, Sydney
- China – Shanghai
- Hong Kong – Hong Kong
- India – Hyderabad
- Japan – Tokyo
- Macau
- Malaysia – Kuala Lumpur
- New Zealand – Auckland
- Philippines – Manila
- Singapore – Singapore

Middle East & Africa

- Kenya – Nairobi
- Morocco – Casablanca, Rabat
- Mauritius – Quatre Bornes
- South Africa – Cape Town, Pretoria, Johannesburg
- The UAE – Dubai





Beyond Corporate Purpose: Elephants, Rhinos & People ('ERP')

Our Group operates under a hybrid business model in terms of which we fund and run an in-house nonprofit, so that we go 'Beyond Corporate Purpose' in our day-to-day activities. Rather than implementing a traditional corporate social responsibility program and simply donating funds to charities, with 'Beyond Corporate Purpose' we operate a professionalized, institutional non-profit delivery capability, the primary focus of which is the protection and conservation of Elephants and Rhinos in the wild, through an unusual strategy based on the economic upliftment of impoverished rural People in areas adjacent to the threatened species, or another definition of 'ERP', if you will.

Should we be successful in winning this engagement, we will channel 1% (one percent) of our net revenues deriving therefrom, to ERP projects. You would be able to choose from a range of projects towards which the funds would be directed, and our ERP staff will provide you with ongoing monitoring and evaluation, and reporting, at your election. Please note that the monies do not constitute an elective add-on to our fees, but would rather be taken out of our revenues.

Please visit www.erp.ngo for examples of our current initiatives and interventions.



24
**Cooperatives set up
and running** rural enterprises
since 1994



7
**Hubs and Community
Centres** set up directly
impacting the
local communities



620
Bicycles distributed
in Limpopo and
Northwest Province



3
Beeline fencing initiatives
to give job opportunities and
income to the local communities



Total lives impacted, approx.
500,000
direct and indirect beneficiaries