

# Digitalisierung in Finance Shared Services Praxiserfahrungen

Kai-Eberhard Lueg | März 2019

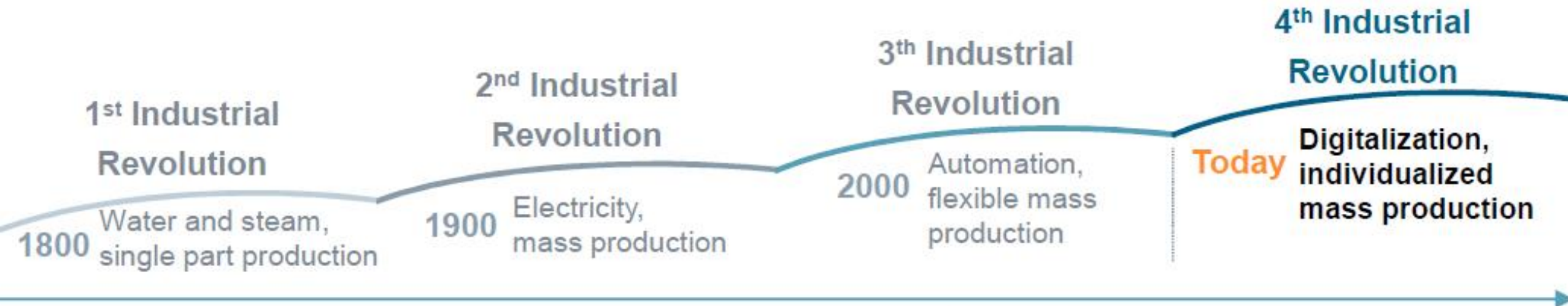
What is the impact of digitalization?



# Digitalization is impacting all of us

...deriving some parallels and having a look at Industry 4.0

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*Ingenuity for life*

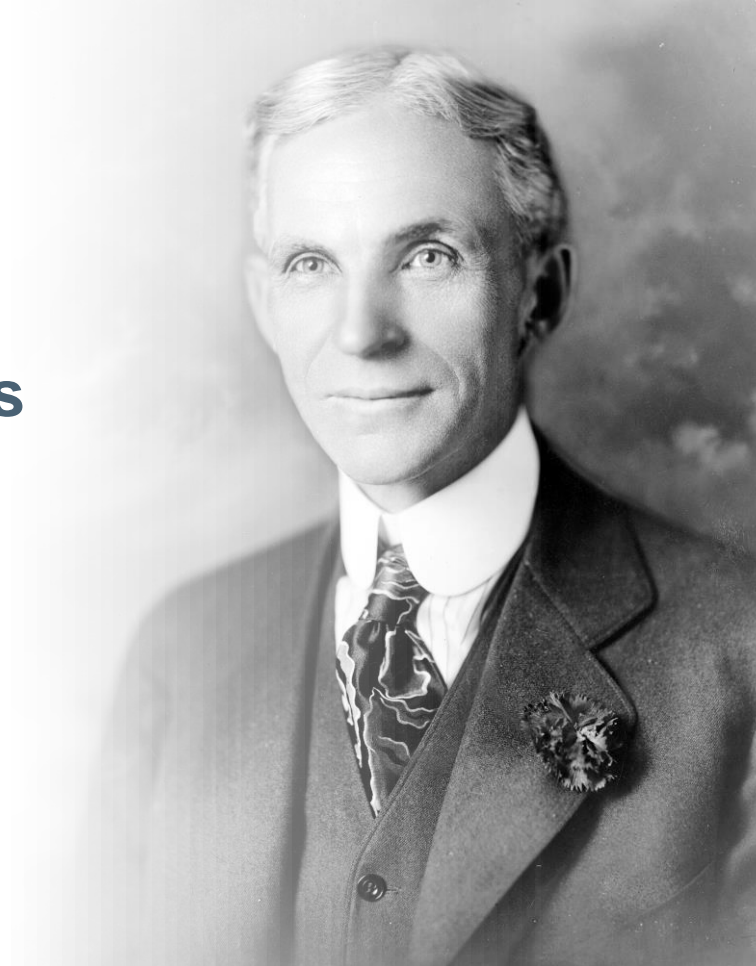


# Digitalization is impacting all of us

...deriving some parallels and having a look at Industry 4.0

„Any customer can have a car painted any color that he wants so long as it is black.“

*Henry Ford*  
*Founder of Ford Motor Company*



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*Ingenuity for life*

## 4<sup>th</sup> Industrial Revolution

**Today** Digitalization,  
individualized  
mass production





# Digitalization is impacting all of us

## ...individualized mass production: Some examples

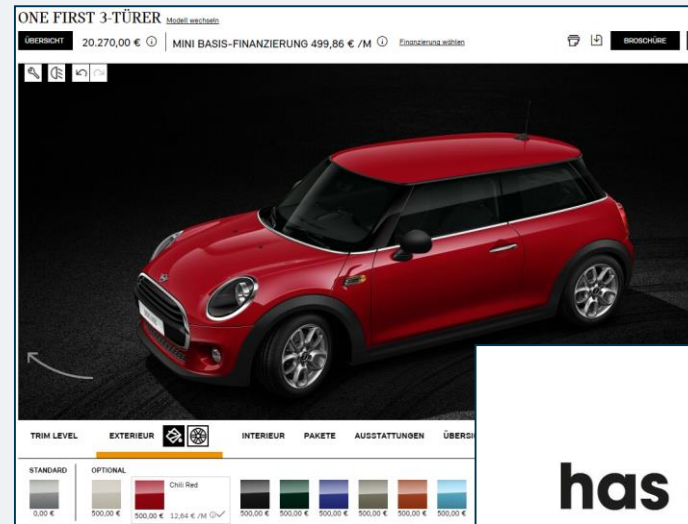
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### 4<sup>th</sup> Industrial Revolution

**Today** Digitalization,  
individualized  
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### ...more personalized B2C offerings



# Digitalization is impacting all of us

...individualized mass production: Some examples

## 4<sup>th</sup> Industrial Revolution

**Today** Digitalization,  
individualized  
mass production



So what has **changed**?

# From a standardized, stable and predictive... ...to a flexible, volatile and individualized environment

## 3<sup>rd</sup> Industrial Revolution

2000 Automation,  
flexible mass  
production

### Past

Classic and standardized products:  
“The lowest common denominator”  
made it to production

Standardized production for  
economies of scale

Flexibility and mass production were  
opposing targets

Products and services were delivered  
by a “middleman” – call him  
wholesaler, retailer, service  
provider....

### Present

Digitalization makes the production of the  
**individual product** possible. **Integration**  
of the customer to the production process.

Digitalization makes the production of the  
individual product **affordable**

Digitalization allows for a **highly flexible**  
production

Direct **delivery and exchange** due to  
close interaction with the customer

## 4<sup>th</sup> Industrial Revolution

**Today** Digitalization,  
individualized  
mass production



**Digital Transformation towards a VUCA<sup>1</sup> environment**

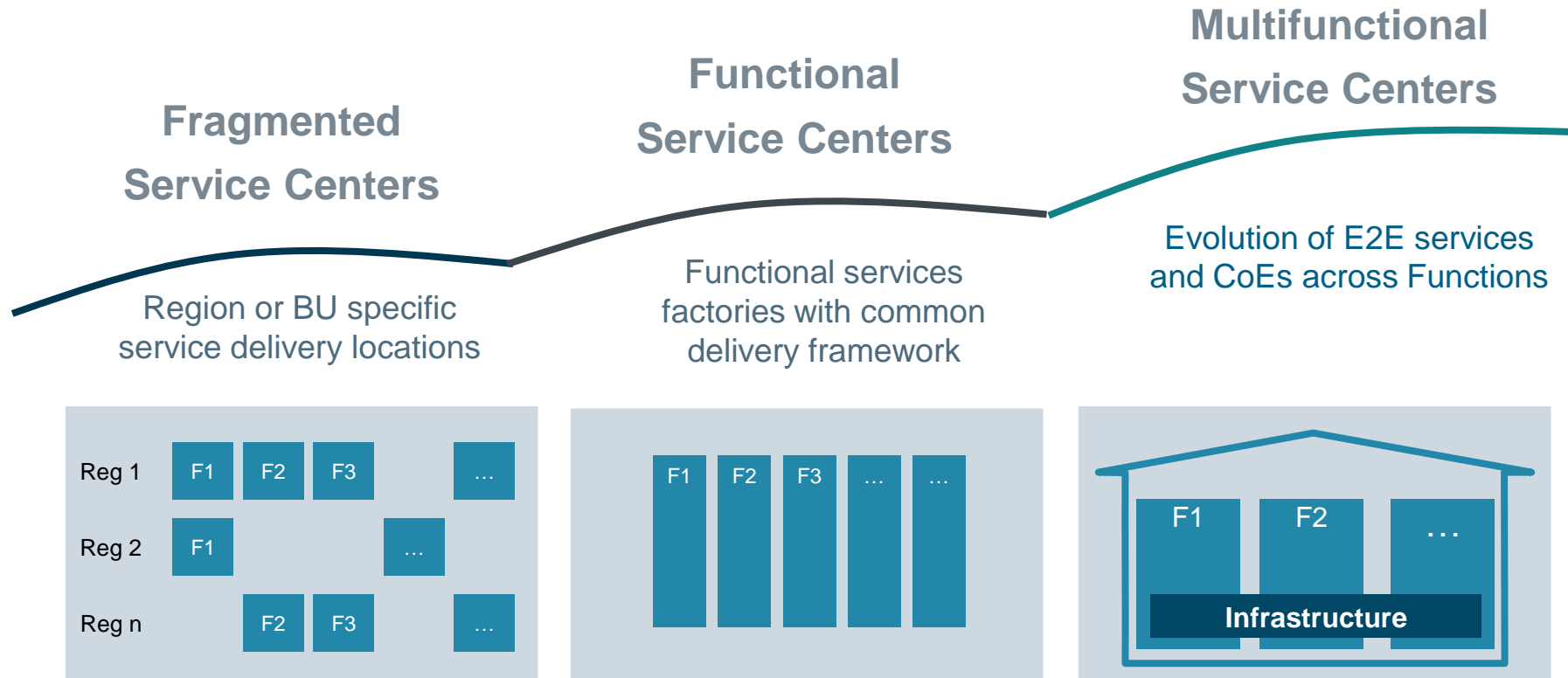
<sup>1</sup>VUCA: Volatility–Uncertainty–Complexity–Ambiguity

# What does that mean for Shared Service Organizations?

...and for their finance & accounting  
partners?

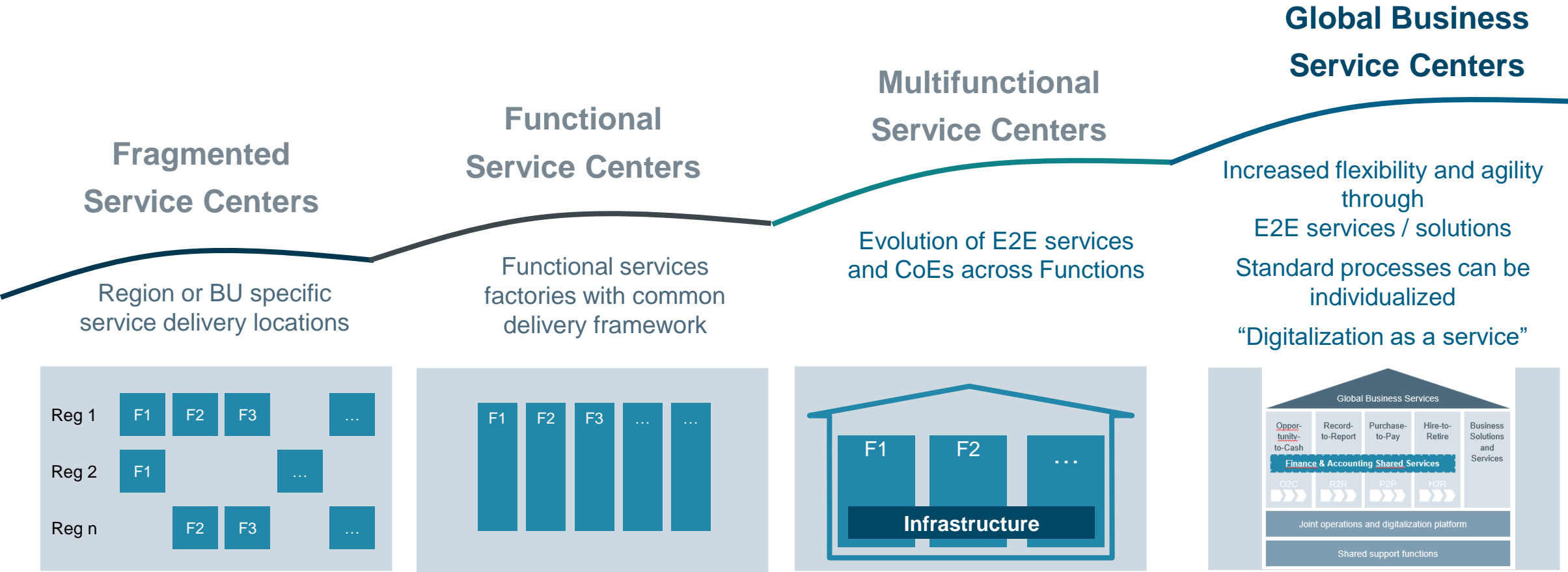


# Digitalization also has an impact on the evolution of service operating models towards higher integration and customer value



**Changing environments call for a changed set-up and service offering**

Digitalization also has an impact on the evolution of service operating models towards higher integration and customer value



Digital Transformation towards a VUCA<sup>1</sup> environment

<sup>1</sup>VUCA: Volatility–Uncertainty–Complexity–Ambiguity

# The digital transformation requires a change in the Shared Services set-up

## Set-up

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- From many interfaces to **simplified and integrated set-up**

## Digital Transformation

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- From isolated digitalization projects to **systematic digital transformation**

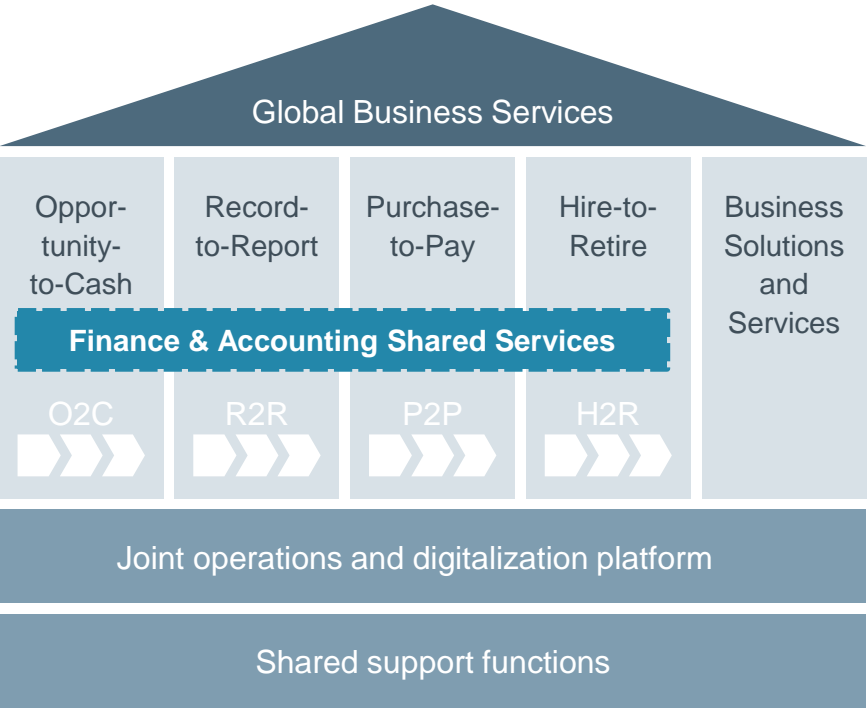
## Partner of Choice

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- From mandated services to **partner of choice**



# An E2E set-up on joint platforms prepares for the challenges of the future





## Global Business Services ...

- provides high quality, cost-efficient, user-friendly services based on customer demand
- serves the internal and external market as an autonomous Service Company
- continuously drives **process innovation, automation** and **digitalization in Shared Services and beyond**
- focus on performance, transparency and customer satisfaction

**15** years of experience

**10** Key centers serving

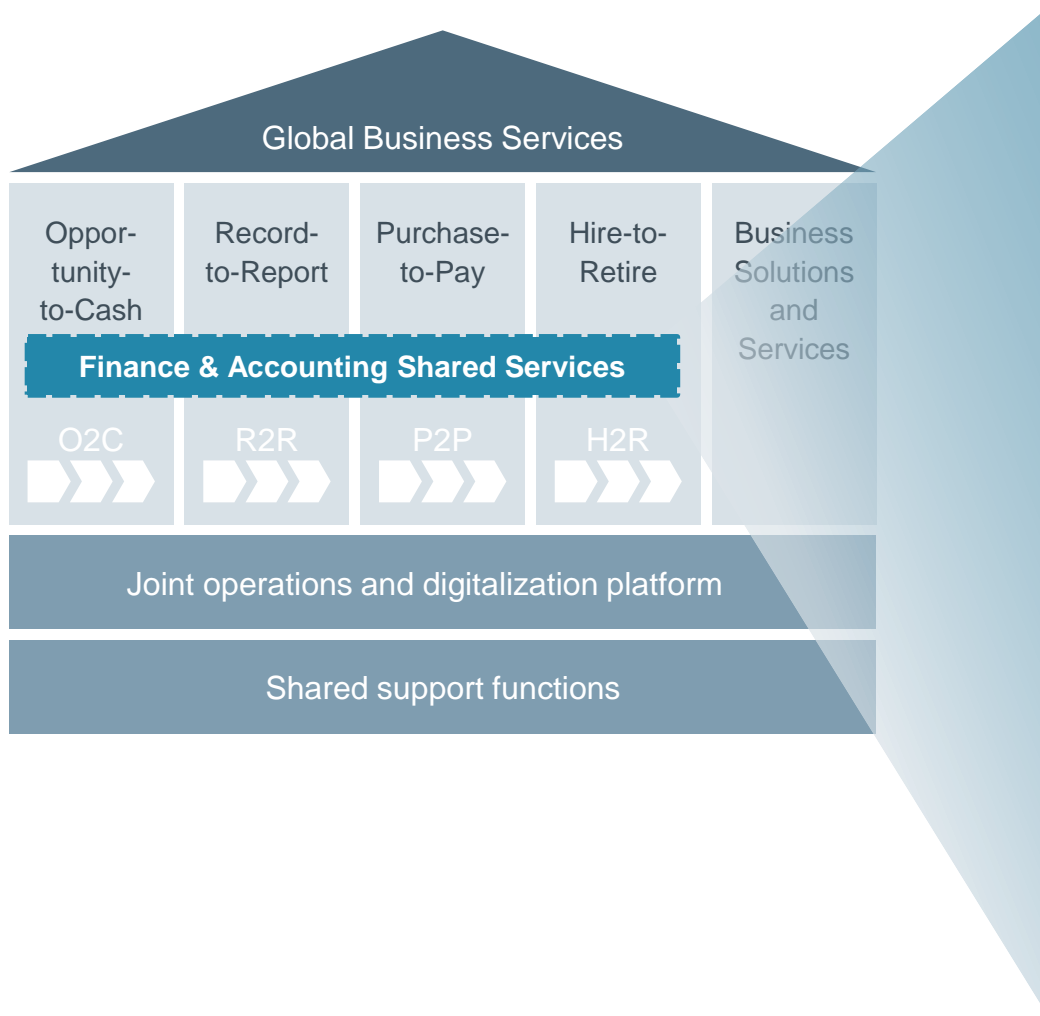
**~600** entities serving

**8.7** user satisfaction index<sup>1</sup>

**~6000** employees worldwide

**80** countries serving

# GBS' Finance & Accounting Shared Services leverage E2E process optimization on joint platforms



## P2P

- Scanning / OCR
- Invoice clarification and posting
- Payment run
- Inter Company Clearing
- ...\*



## R2R

- General Ledger
- Controlling services
- Tax and Customs services
- Fixed Asset and Master Data management
- Closing and Reporting incl. upload to consolidation system
- ...\*



## O2C

- Cash allocation
- Dunning
- Cash collection
- Credit risk management
- Guarantee management
- ...\*



## Supporting Services

- Transition and Transformation services
- Digital services (e.g. BPM, RPA)
- KPI / BVI Reporting and Process Mining
- ...\*



\* Further services available

# Why What How

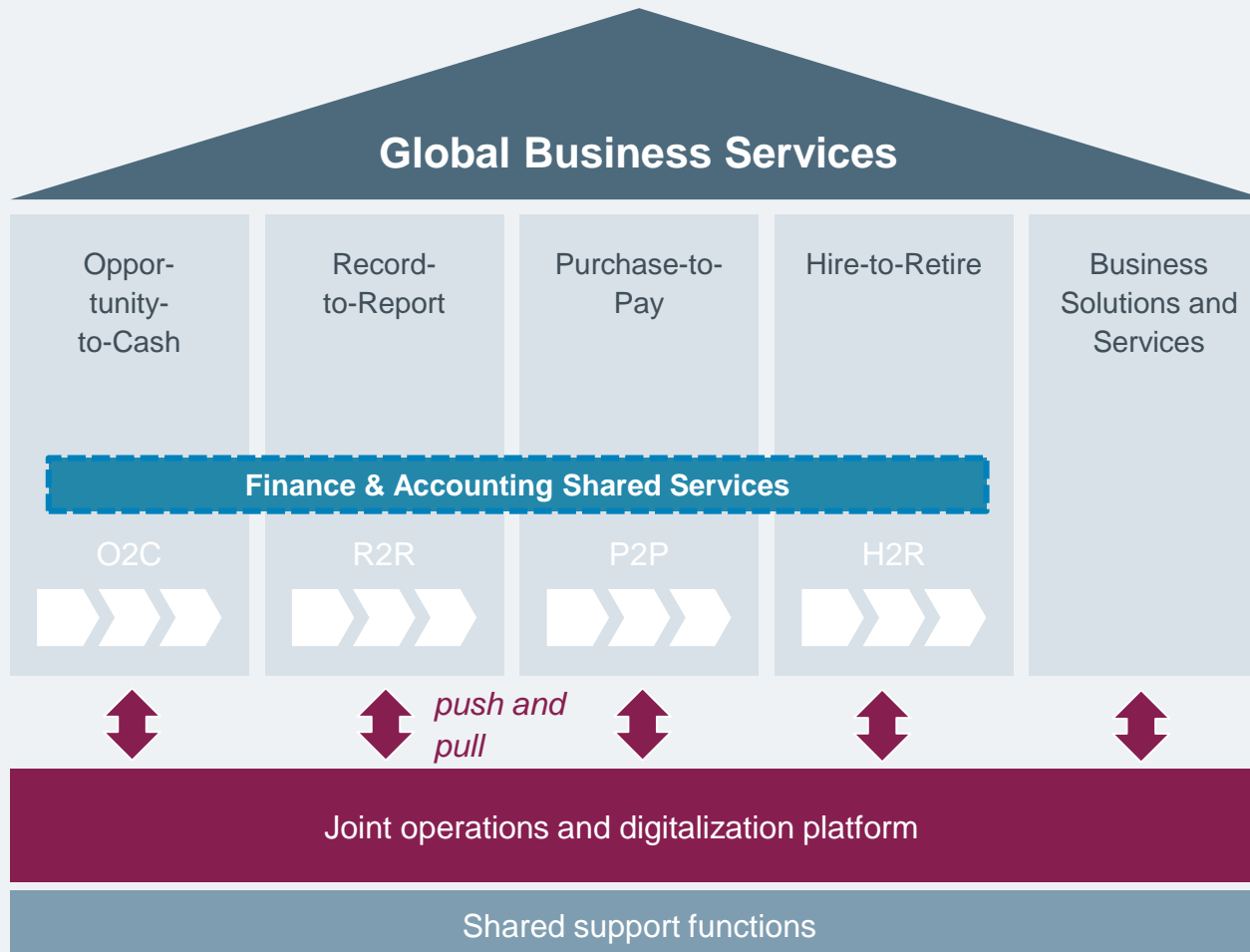
Our unique expertise in business services creates valuable impact specific to our customers' needs

We design, transform and efficiently operate business services

As Partner of Choice we are passionate in providing smart and **digital end-to-end solutions** through our powerful global internal and external network



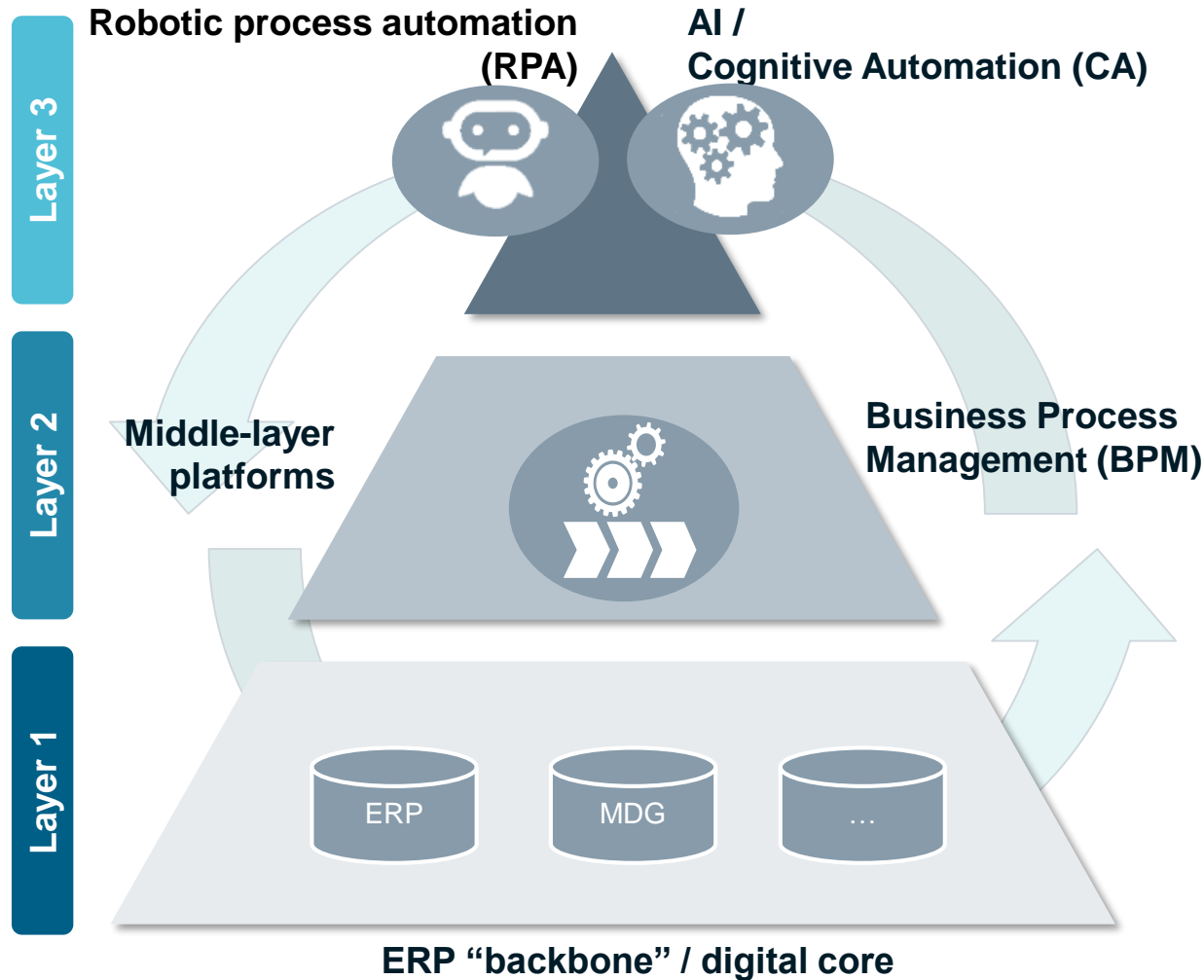
# From isolated digitalization projects to systematic digital transformation



## A powerful digitalization platform across functions...

- ...implements and provides cross business line as well as GBS external digital services
- ...orchestrates digital program activities
- ...creates transparency
- ...ensures re-usability across business lines

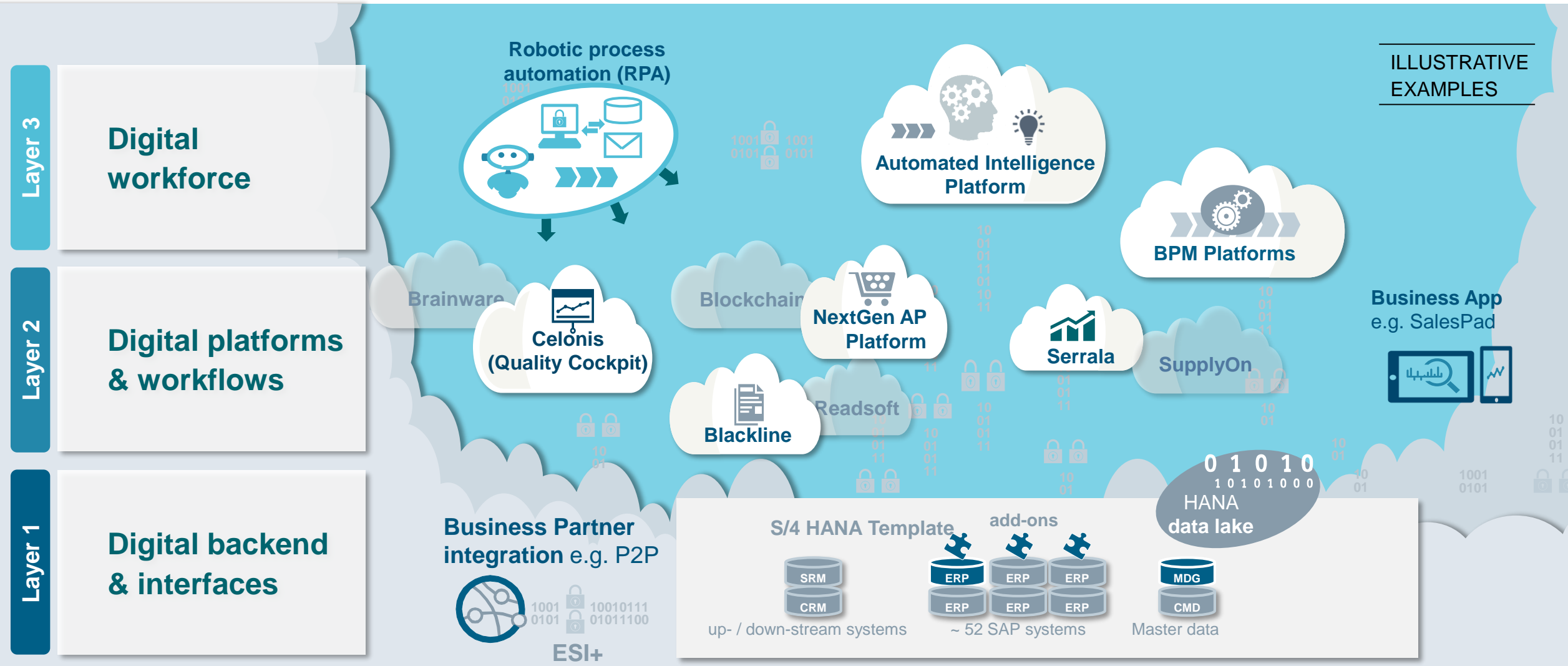
# There are multiple ways to drive digitalization: Introducing the digital ecosystem



- 3 Robotics & AI/CA:** flexible mix of on-premise and cloud services to enable user level and cognitive automation without changing existing processes or systems/platforms  
– enables automation without standardization with short ROI
- 2 Middle Layer Platforms:** Cloud platforms for end-to-end integration of processes across many backend systems  
– lower complexity to deploy standards, higher flexibility and usability (multi device)
- 1 Backend / ERP:** On-premise systems of record with complex, standardized value flows and core processes – enables deeper optimization of data and processes, but long ROI

**There is no one size fits all. The right technology mix (toolbox) is key!**

Based on these three technology layers, we have built a powerful Finance and Accounting **ecosystem**





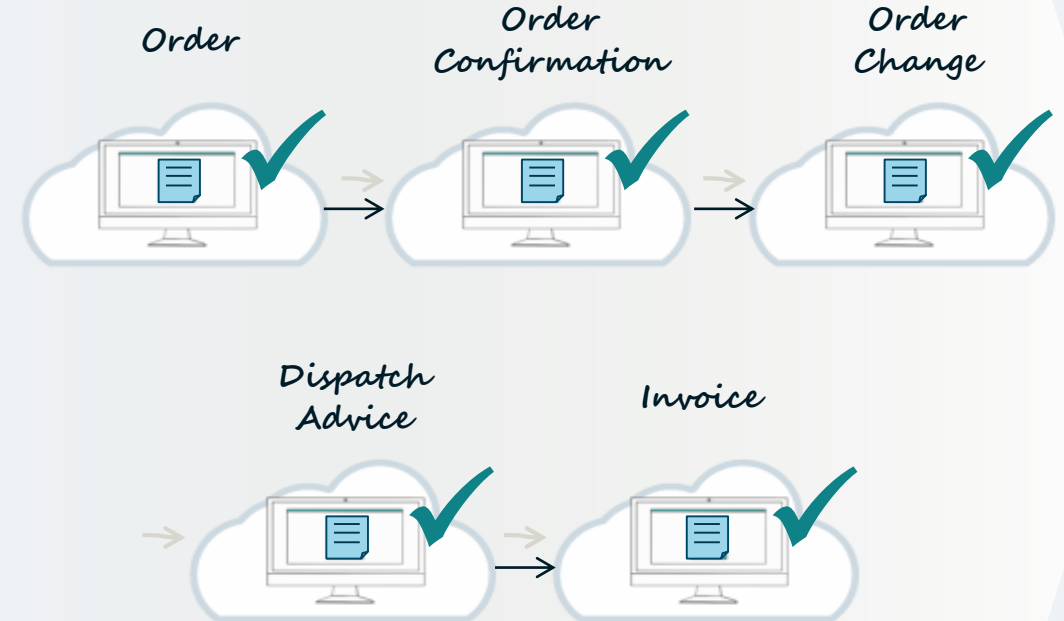
## P2P Digitalization – a cross-functional initiative to digitize the E2E Purchase-to-Pay process globally

Targeted benefits through P2P Digitalization:

- **Digitization** of >80% transactions end-to-end from order to invoice (>90.000 suppliers, ~220 factories)
- Increased process & cost efficiency (saves up to ~40 minutes manual effort per process)
- High **standardization** globally
- Control through better **transparency**
- Reduced **cycle times**



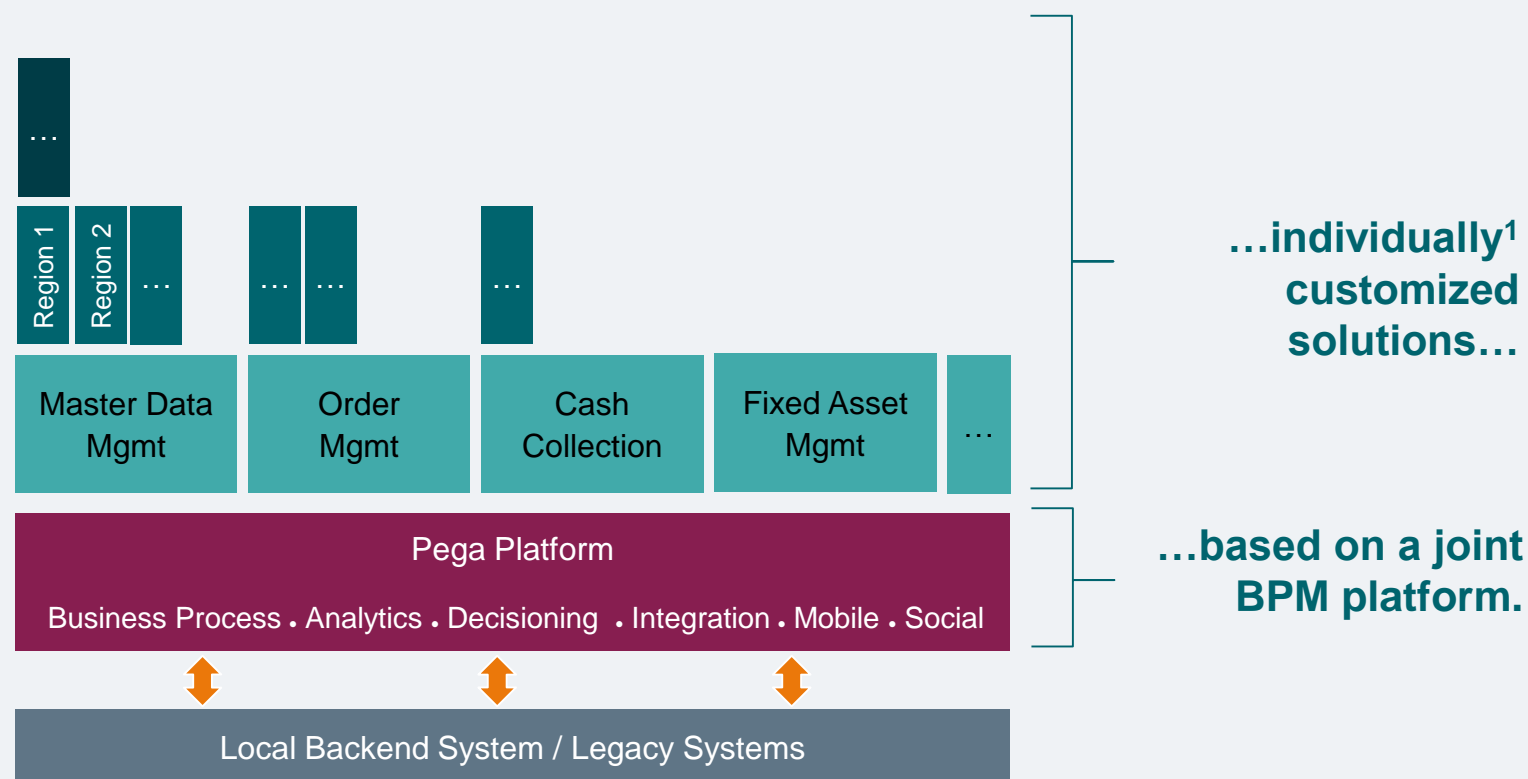
5 e-messages



# Business Process Management - providing individualized solutions based on one **joint platform**



## GBS BPM Layer Architecture offers...



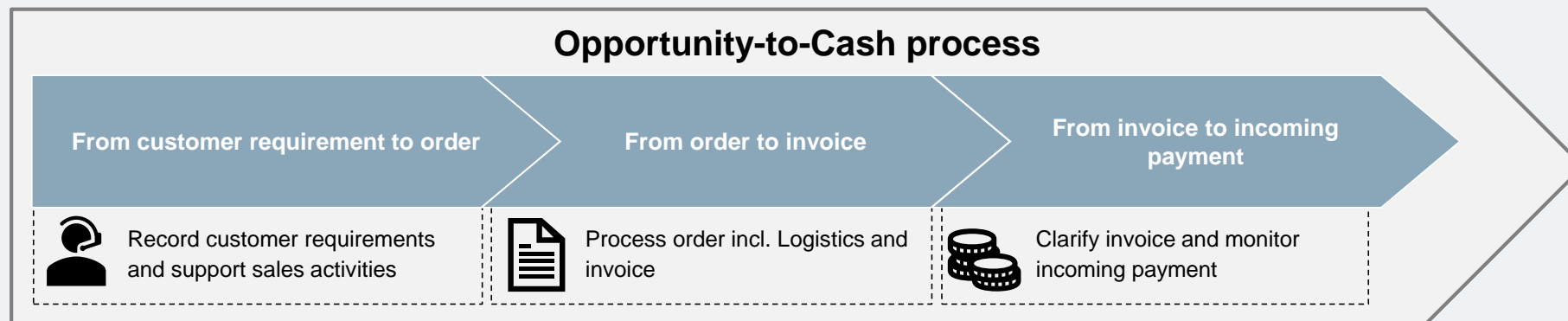
<sup>1</sup>E.g. based on different Customers, Processes, Regions, etc.

- Single **workflow / management** (middle-layer) platform replacing existing local/regional solutions
- **Fully integrated** into existing landscape
- **Re-use** of already set up layers
- **Real time** integration
- **Mobile use**
- **Accessible** by Siemens externals (e.g. customers / suppliers)
- ...

## Example: End-to-End Process set-up

...full responsibility for all sub-processes

# O2C



**Today:** Four Business Lines involved with fragmented responsibilities for sub-processes

GS BPS BSS

GS SCM FSS

GS BPS BAS

CF R FSS

**Future:** One Business Line is responsible for all sub-processes

GBS Opportunity-to-Cash Services (GBS O2C)

### Expected benefits of E2E set-up<sup>1</sup> combining four formerly separate organizations

- Significantly better process cycle times (**cycle time reduction**, meaning faster service for our Siemens customers)
- Typically **increased process efficiency** (time/effort reduction for GBS, and for internal partners e.g. in Siemens sales)
- Increased **customer satisfaction** as a result of a more holistic customer service and a **reduced error rate**
- Harmonized automation landscape with better **data quality** and transparency, less process interruptions
- and improved employee satisfaction as a result of co-creation of processes

<sup>1</sup> Estimations - Extended team responsibility when fully operational and scaled; validated by two pilots in Portugal and Malaysia which started already with end-to-end process responsibility



# Global Master Data Mgmt – a global platform driving end-2-end digitalization and efficiency



## What is it about?

- single, globally aligned digital workflow solution for business partner master data mgmt.
- full integration in to existing IT landscape and external data sources
- covers creation, updating, extension, blocking and unblocking of business partners

## What are the main advantages?

- combines **standardized process** with **local flexibility**
- automated **data validations** ensure data **quality** and **increases efficiency**
- **user friendly** UI and workflow process
- **transparency** for all Siemens entities over data maintenance process and efficiency

## Achievements so far

# of countries live: **24**

Users in total: **~21.300**

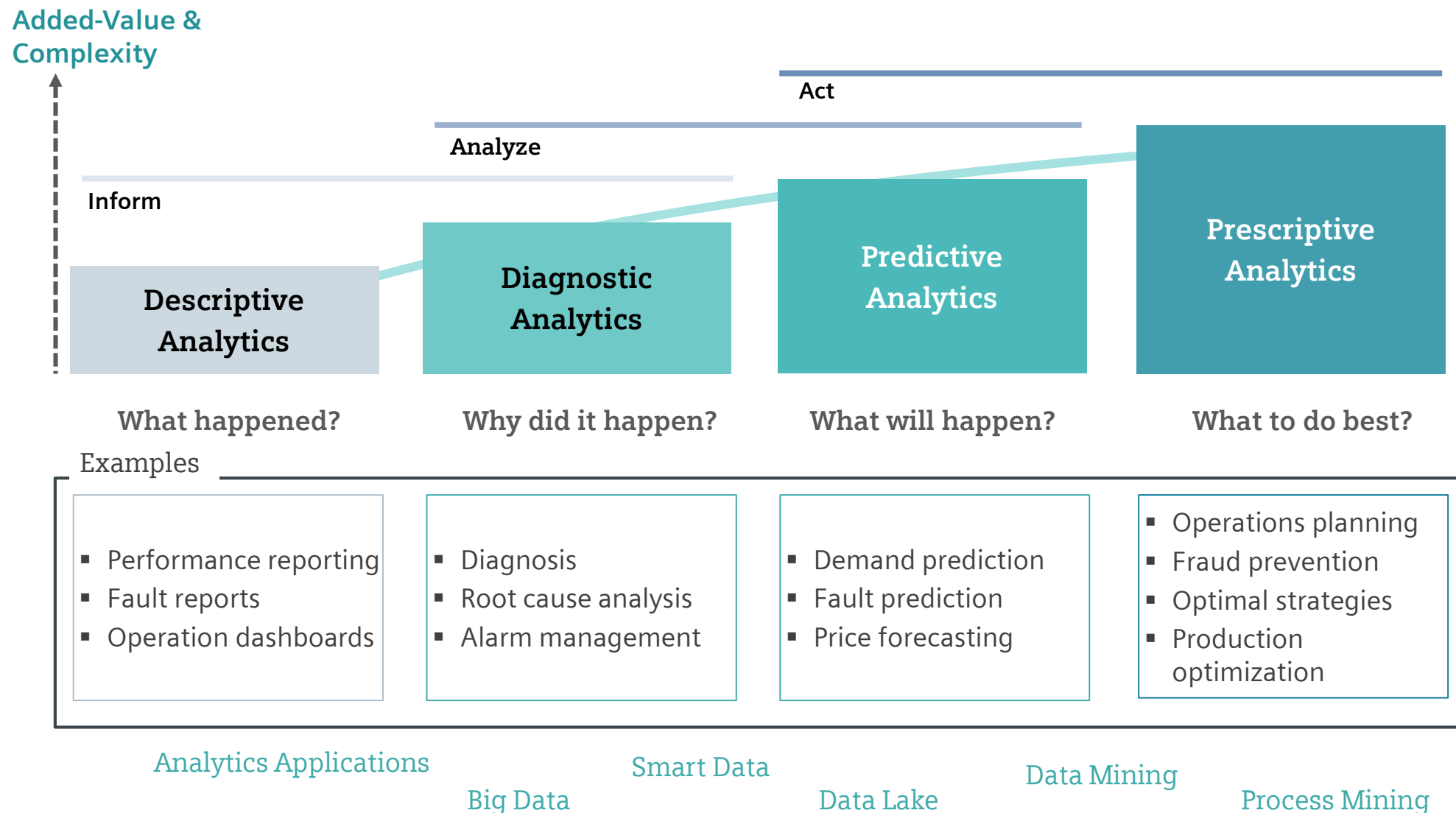
SAP systems connected: **8**

Companies live: **102**



# Quality Dashboard - Our journey so far

## ...from descriptive to prescriptive analytics



## Quality Dashboard – Data Analytics providing transparency on a global level

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28  
KPIs

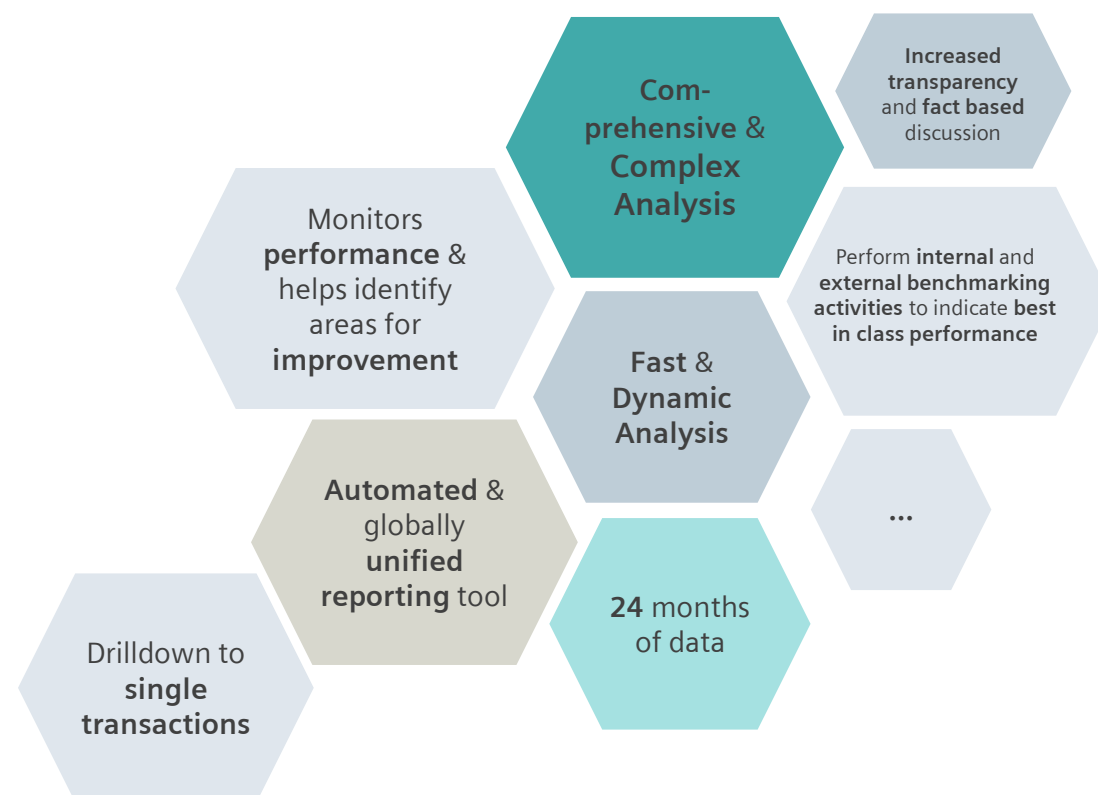
591  
entities

52  
ERPs

### We cover E2E processes across all service lines:

ACCOUNTS PAYABLE
FTE Productivity, Automation, Late Payments, EDI Ratio, Adjustment Ratio, Backlogs
ACCOUNTS RECEIVABLE
Automatic Allocation, Unallocated Cash, finCIS
INTERCOMPANY CLEARING
Unposted ICC IDOCs, Clarifications, Automation
CLOSING AND REPORTING
ESPRIT Reopens, Validation Errors, Complexity

### Key Benefits



# Robotic Process Automation (RPA) today paves the way for the smart 'Digital Workforce' of tomorrow

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## RPA today

rule-based, routine and predictable tasks  
based on structured, stable data



Global  
Business  
Services

## Robotics 2.0

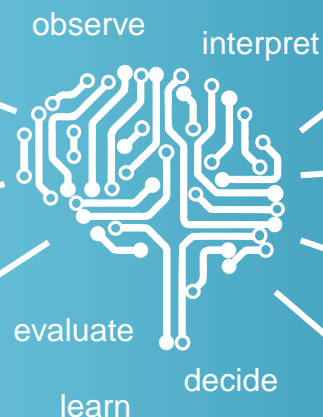
judgement-based, dynamic/ad-hoc and unpredictable  
processes based on unstructured, volatile data

Piloting &  
Service Setup

Multi-channel



Multi-talent



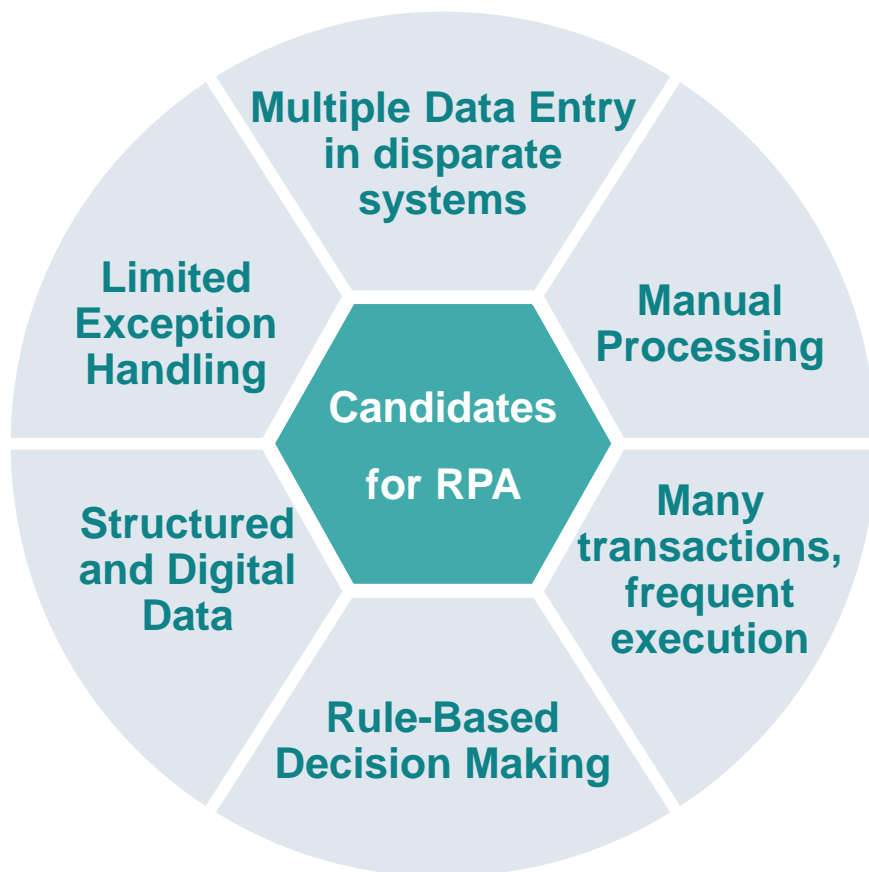
Multi-purpose



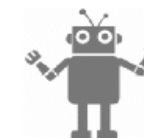


# Overview

## What is RPA?



### WHAT ROBOTS CAN DO....



#### READ STRUCTURED DIGITAL INPUTS

- E-mail
- Spreadsheets
- Work Flow
- PDF (digital type)
- Database
- ERP/ CRM
- Web services

#### INTERACT VIA USER INTERFACE

- Click
- Run program
- Extract
- Compare
- Copy

DECISIONS BASED ON BUSINESS RULES

#### OUTPUT/ UPLOAD THE DATA

- E-mail
- Spreadsheets
- Work Flow
- Database
- ERP/ CRM
- Web services
- Report

**Robots use existing user interfaces to automate instead of heavier backend integration**

# Example: Energy Management in UK - Purchase Order Creation



## 12,000 Purchase requisitions had to be processed manually...

### Problem Statement

High manual efforts  
Non-standard process steps  
Excel, Paper based requisition approvals

### Solution

IT Workflow solution integrated with Robotics  
Standardized Requisition, approval and PO creation process by reducing process steps  
Identified required data in multiple systems like Outlook, Excel and SAP



### Impact

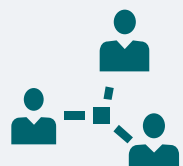
- Automation of 70% volume
- Effort reduction by 65%
- Prevent Invalid Data entry
- Reduced cycle time by 80%

# RPA – global CoE to digitalize processes “on demand”

## 3 hubs ramped-up in less than a year



Robotics  
as  
a  
Shared Service



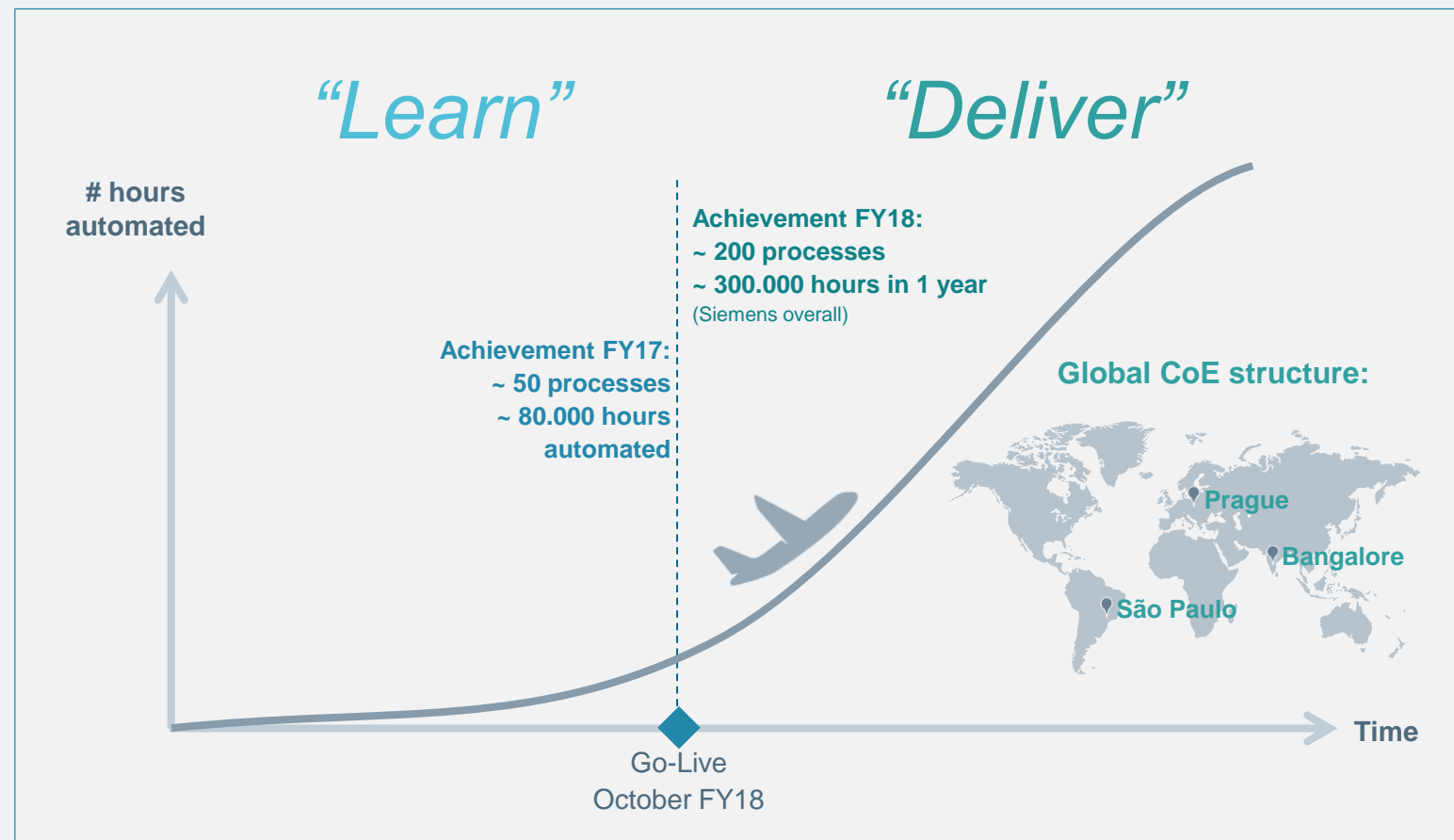
Collaboration



Speed



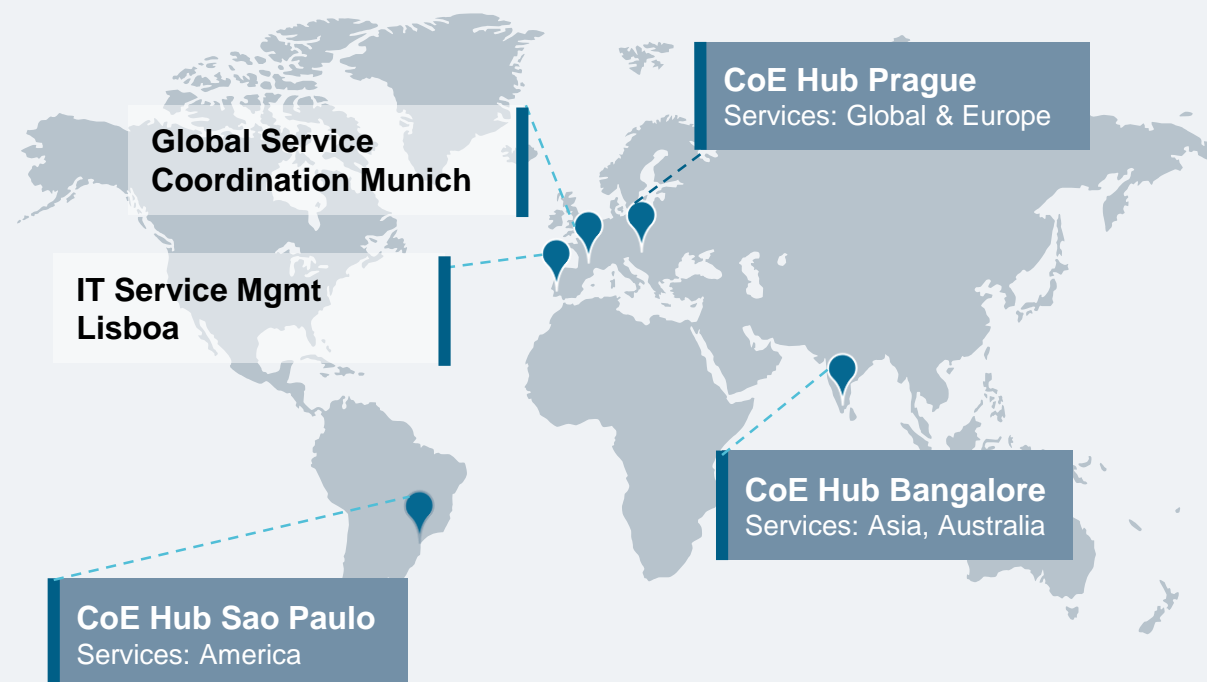
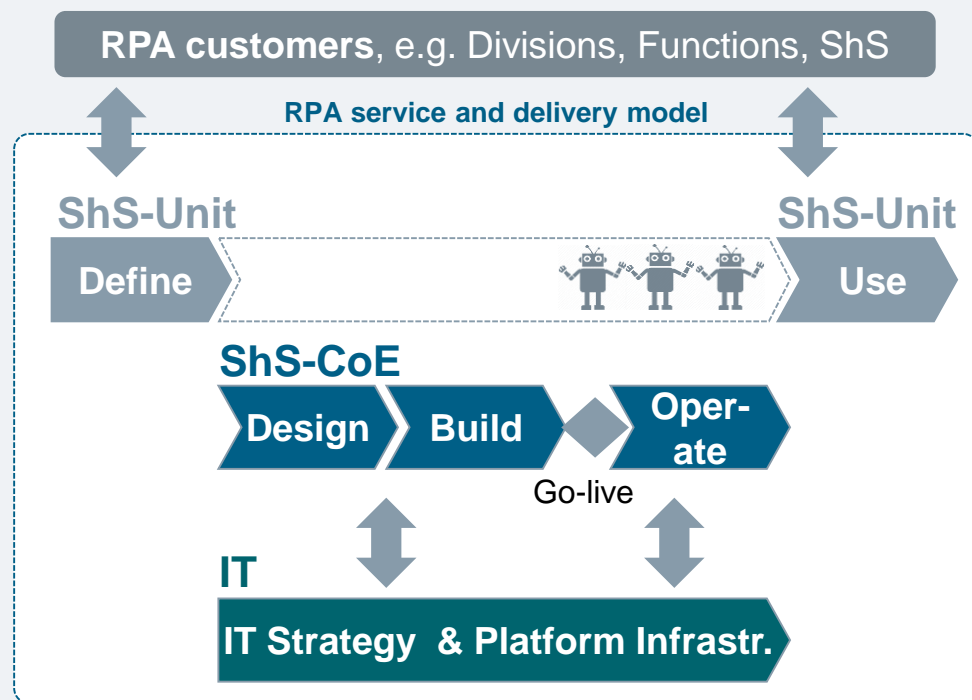
Impact



# The RPA service and delivery model is based on close cooperation between Shared Services and IT

**CoE as part of Shared Services** due to high degree of process competencies required

Hub setup leverages **synergies** and ensures customer proximity





# RPA today paves the way for the smart 'Digital Workforce' of tomorrow

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## RPA today

rule-based, routine and predictable tasks  
based on structured, stable data

Global  
Business  
Services



## Robotics 2.0

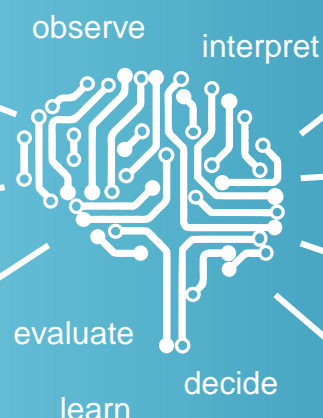
judgement-based, dynamic/ad-hoc and unpredictable  
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Multi-channel



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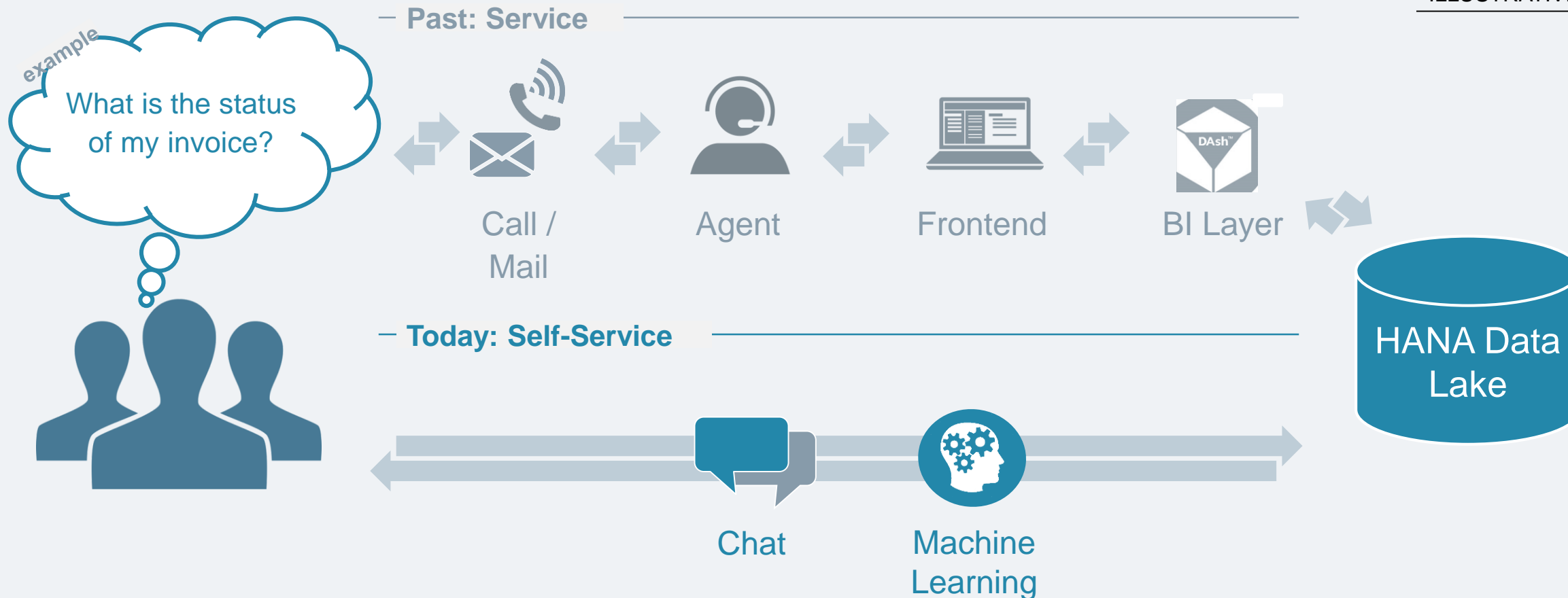


Multi-purpose



## Our chatbot 'Payton' is able to answer invoice status related inquiries using real-time data

ILLUSTRATIVE



What's next?

# Shared Services can serve as digital transformation engine for the Finance function



## In 2025, GBS'...

...**digital workforce handle every back-office process**, cognitive and enhanced workflow capabilities enable them to interact with humans seamlessly.

...**human workforce focus on exceptions and value-adding, relationship-based activities**, always working closely with technology.

...**digital transformation has achieved enormous efficiency** by consequently harnessing automation and by leveraging disruptive trends early, resulting in leaner cost structures, individualized processes and new digital service offerings.

...**customers enjoy exceptional services** – individual customer-oriented services, seamless interfaces and faster, easy-to-use workflows.



# The role of Shared Services is changing...

**From a cheap industrial  
mass production set up...**

Factory set-up  
Transactional tasks  
Standardized delivery  
Process Bundling  
Repetitive process execution  
Labor Arbitrage  
...

**...to a Partner of Choice  
...to a Driver of Change**

Digitalization driver  
Transformation machine  
Innovation ambassador  
Process re-design  
Customized service delivery  
Active contributor to change  
E2E optimization  
...

# Any Questions?



# Thank You





## Contact Details

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