

Deloitte.

Der Weg zum RPA Center of Excellence – Chancen und Herausforderungen



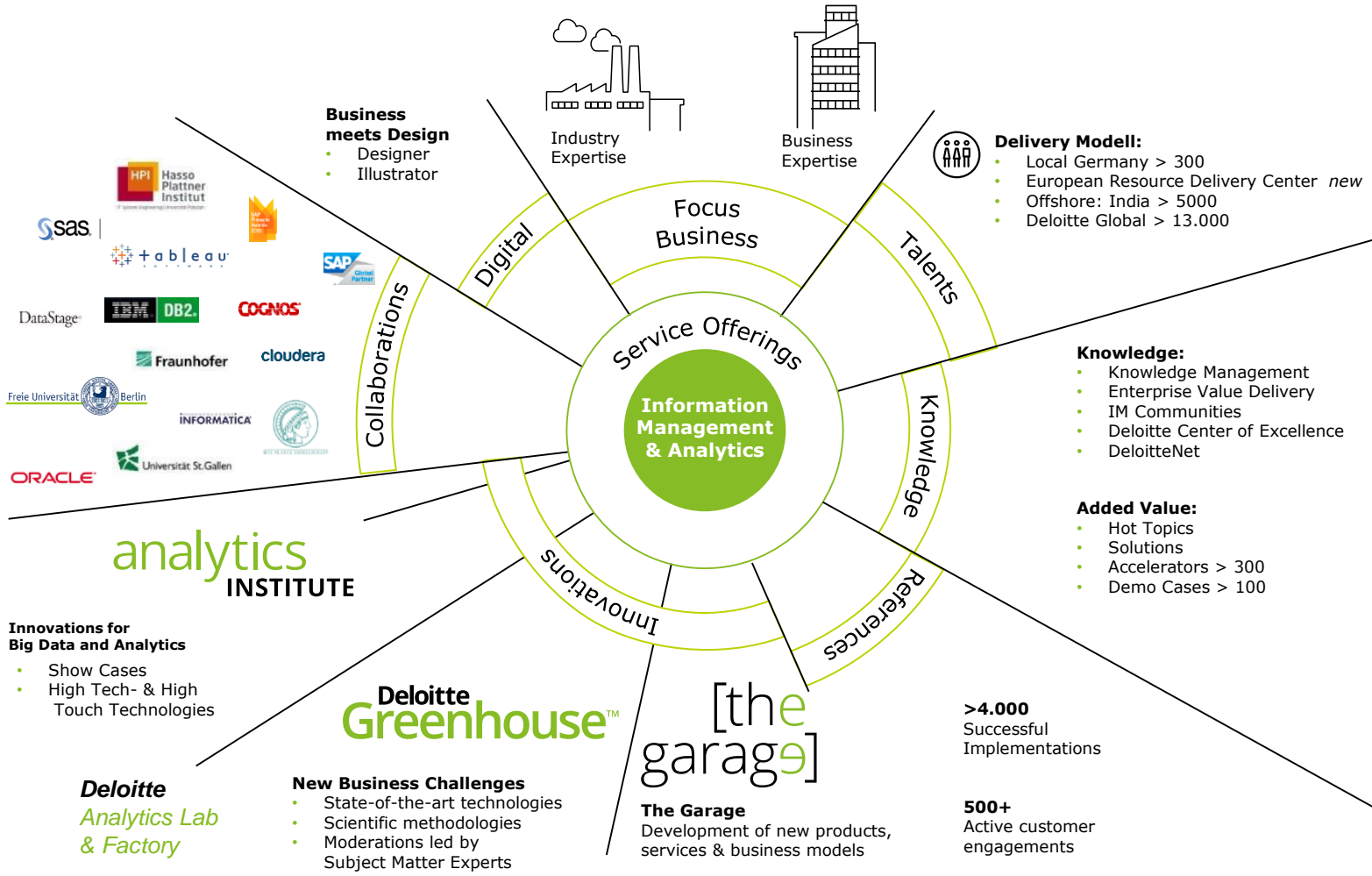
Fachhochschule Kufstein, 17.05.2019

Agenda

- 1 Introduction
- 2 Proof of Concept
- 3 Pilot
- 4 Center of Excellence
- 5 Q&A

Introduction

Deloitte | Analytics & Information Management



Deloitte Technology

Technology Strategy & Architecture

Deloitte Digital

Analytics & Information Management

SAP

Oracle

System Integration

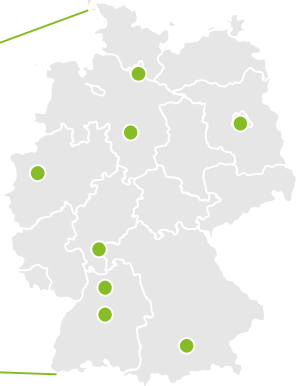
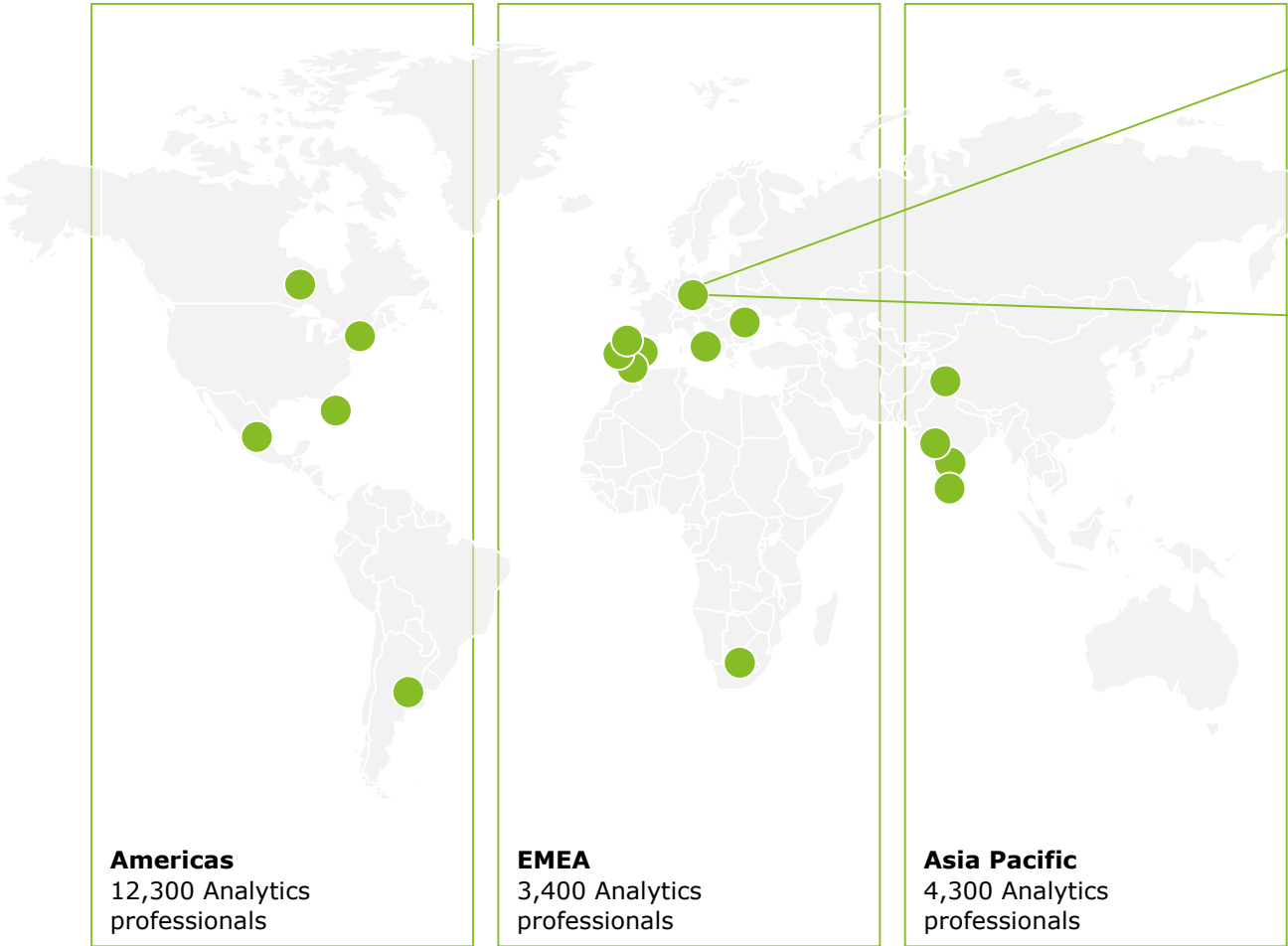
Application Managed Services

Cyber Risk



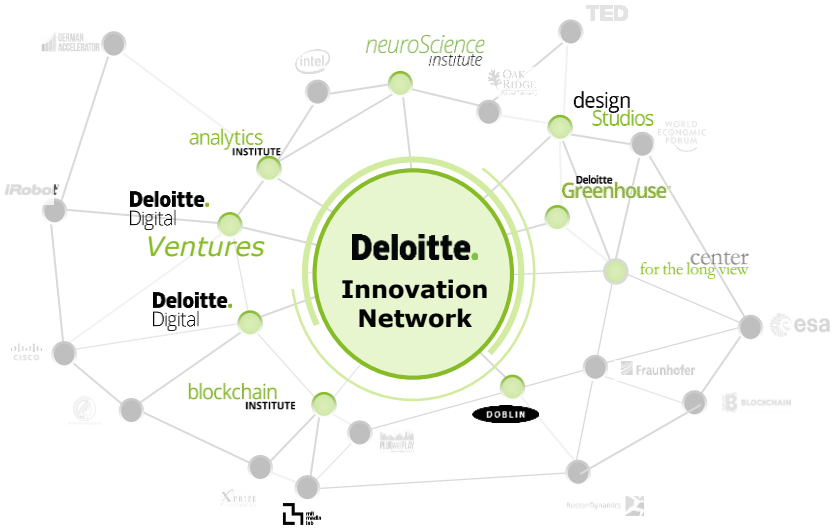
Deloitte Analytics global and German capabilities

Global Analytics Headcount >20,000

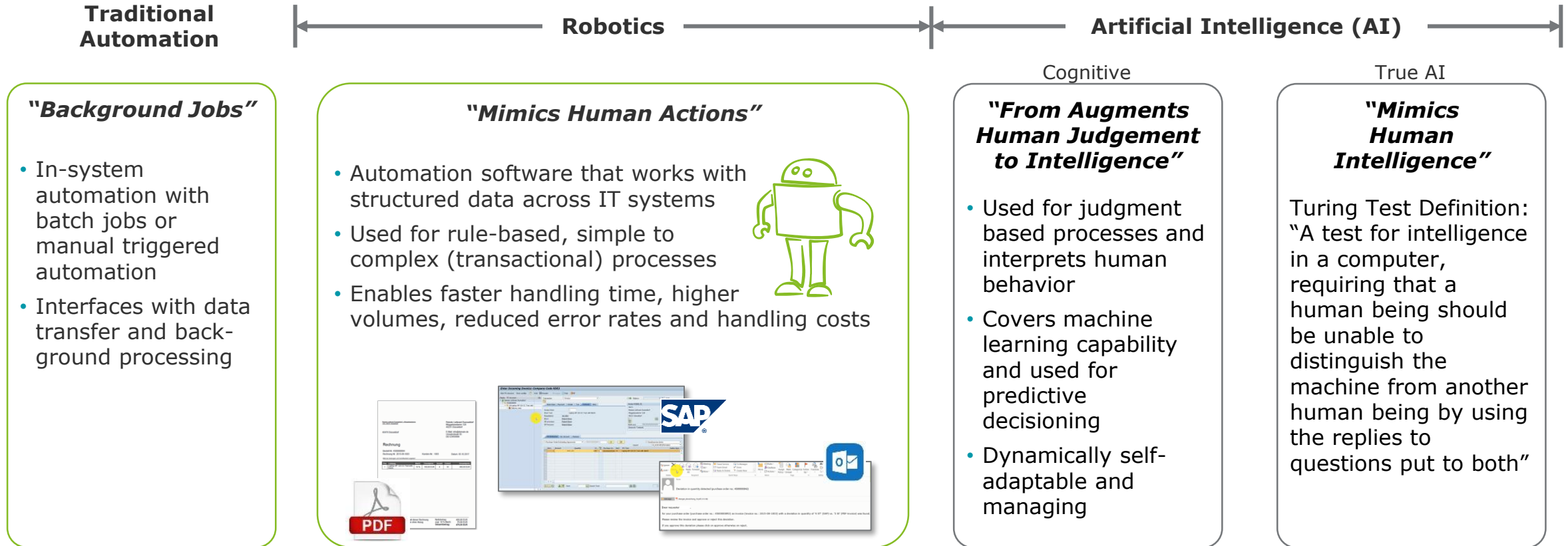


>300 Local Analytics Headcount Germany

Leading consultancy for Advanced Analytics



What robotics is | Process automation focus areas



Robotic Process Automation | Capabilities & Benefit

What is Robotics?



Robots are...

- Computer-coded software
- Programs imitating human interaction with applications
- Cross-functional and cross application macros



Robots are able to...

- Validate and analyze
- Gather and collate information
- Record data
- Calculate, decide and produce
- Orchestrate and manage
- Transport and communicate
- Report



... in appropriate processes:

- Structured and fixed inputs and outputs
- Rule-based & repetitive
- Limited human (voice) intervention
- Stable process with little exceptions and changes
- High volume or significant peaks in workload

Main benefits



Cost Reduction

Cost reduction net 30% - 60% per automated process



24/7 Operations

Non-stop performance - no queues at peak



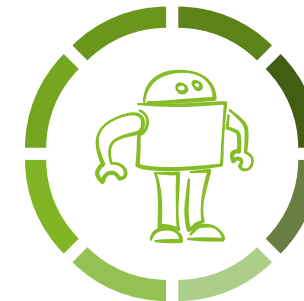
Valuable Work

Employees do not waste any capacity for routine tasks



Quality

Increase quality by avoiding human errors and focusing on exceptions



Short Payback Period

RPA implementation costs are paid off in < 12 months



Internal Control

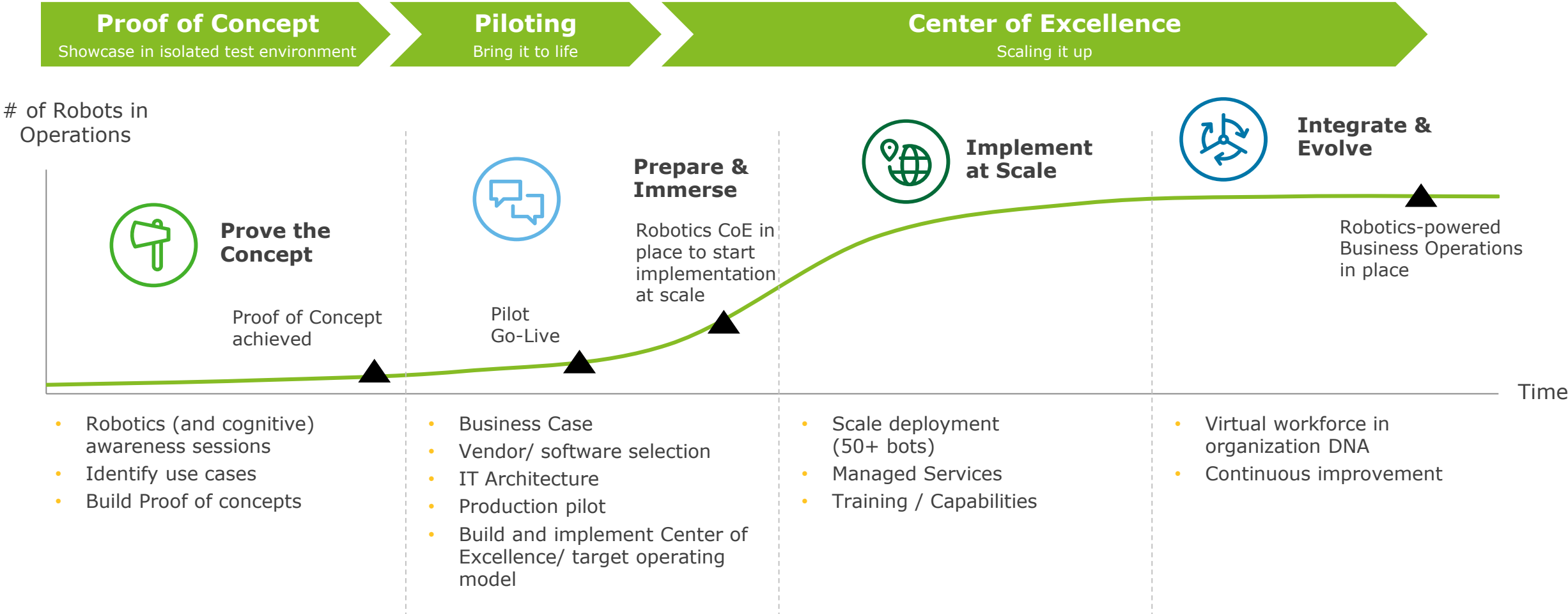
Avoiding human fraud, easily performed Control & Compliance checks



Speed Increase

Turn-around-time decrease (up to 80%)

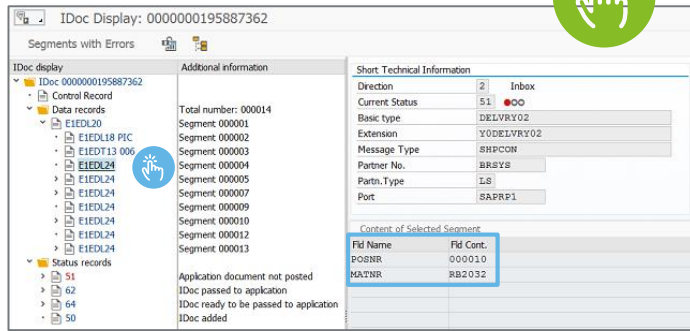
Implementation roadmap | The Journey from a Proof of concept to full scale



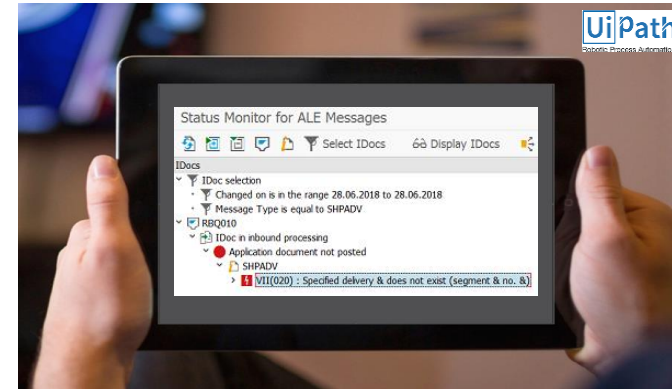
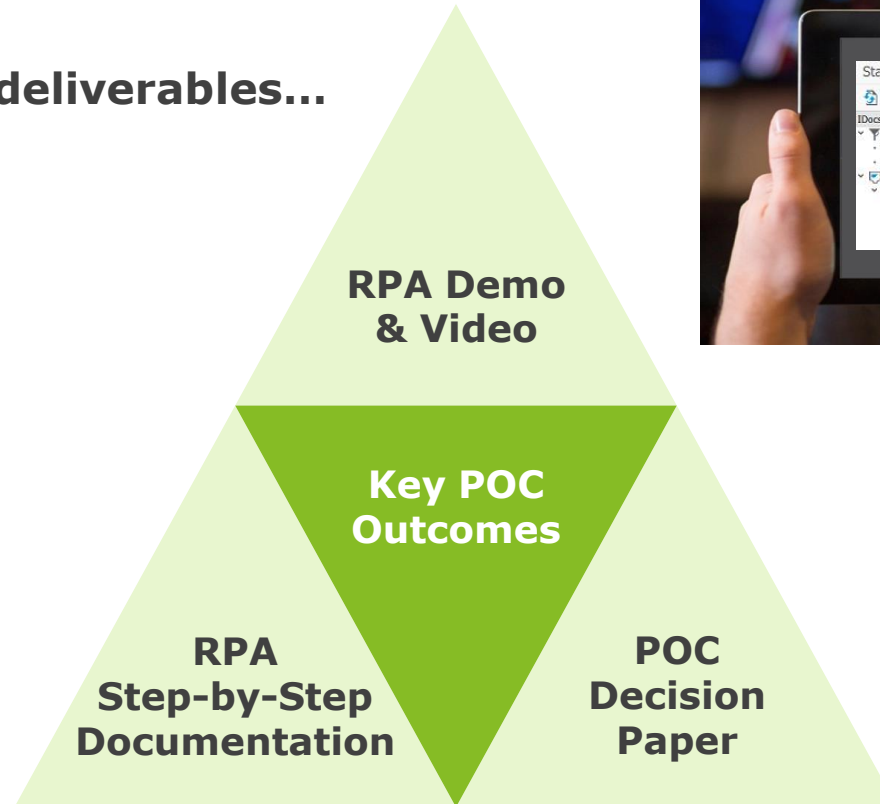
Proof of Concept

Proof of concept | Key Deliverables

We create the following deliverables...



Screenshots and process description (BPP) of how the Robot should work

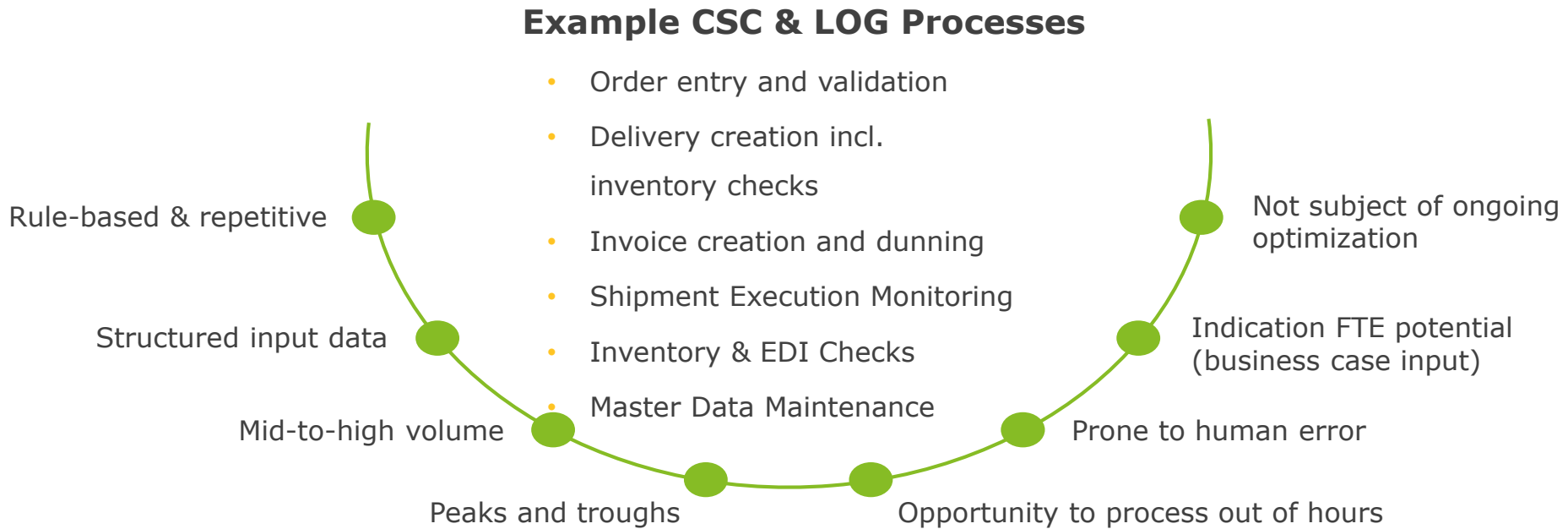


Live demo on RBQ and video as showcase



Scope and results of POC, business case, lessons learnt, recommendations

Proof of concept | Suitability of processes for Automation



Example

CSC & LOG with it's high volume and stable processes, is a possible area of choice to **prove value of process automation**

These are the criteria to look for processes

Search for these...

- **Routine, repetitive processes**, executed at least weekly with the exact same sequence of steps
- Process depends on **digital structured, interpretable input data** which is always available in the same format
- Flow of the steps is rather straight forward **with few exceptions** or decision points
- **Autonomous execution by the robot possible**, no input for decisions by human required
- Process spans across **limited number of business applications** (e.g. Excel, Outlook, SAP; 3-4 max.)

Try to avoid these...

- **Specialized process**, carried out few times only or in many different variants
- Input for process is **paper-based or unstructured** (e.g. free-text email)
- Many nested process parts with a **high number of decision points**
- Strong human / robot interaction needed as decision criteria may not be available digitally
- **Large number of business applications** involved in process execution (more than 4)

Classification framework of Robotics process complexity

	Process Steps	Process Decisions	Steadiness	Form of Input Data	Systems	Access to Systems	Fields	No. of Hand-Offs
Description	Number of process steps (incl. number of loops)	Number of decisions (linear or complex)	How often does the process change?	What form do input data have (un-/structured and digital / analog)?	Number of different systems	Restrictions to access systems (e.g.Citrix)	Number of fields to be filled out per process?	Number of different departments involved in the process
Scoring System	Scale	Scale	Scale	Scale	Scale	Scale	Scale	Scale
	>70	Complex	High frequency of changes	Unstructured / analog	>5	heavy	>20	>5
	>50	Complex (rule-based)	Often	Structured / analog	4		20	4 or 5
	>30	Linear and complex	Medium	Both analog and digital	3	medium	15	3
	<20	Linear	Rarely	Unstructured / digital	2		10	2
	<10	No decisions	No changes	Structured / digital	1	none	5	1

RPA Software vendor used



Specialization

- SAP automation including data extraction and report generation

- No specialization but leader in back office

- SAP automation including data entry and content migration

Key Differentiators

- Ease of implementation due to simple architecture
- Reusability through metabots to expedite process creation
- Depth of deployment experience

- Efficiency in scaling with robot creation and ecosystem costs
- Well developed training program and approach
- Highest level of control over robots

- Best-in-class integration with systems
- Ease of use with intuitive GUI and drag-and-drop process creation supported by the business

Why Clients Choose These Vendors

- To implement simple processes automations quickly for immediate ROI

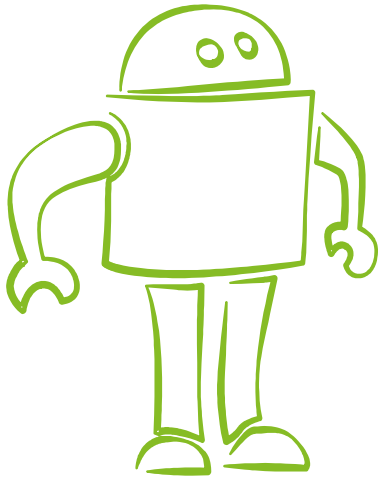
- To enable scalability and support large, enterprise automation initiatives

- For business-led process creation, integrating multiple systems, specifically SAP and CITRIX

The Forrester Wave – RPA - Q2/2018



Proof of Concept lessons learned



PoC is successful from technical perspective



Implementation time is rather short (3 – 4 weeks)



PoC provides a good basis for a “Go-Live”

Pilot

Bringing it to Life – Key considerations

Scope

Do not start with all processes and geographies at once, piloting with subsequent use cases is more beneficial

Operating Model

Ensure that the process automation operating model is designed and implemented early, e.g. along a feasibility study

Leakage

Take leakage into account and that processes cannot be fully automated / still need some manual support

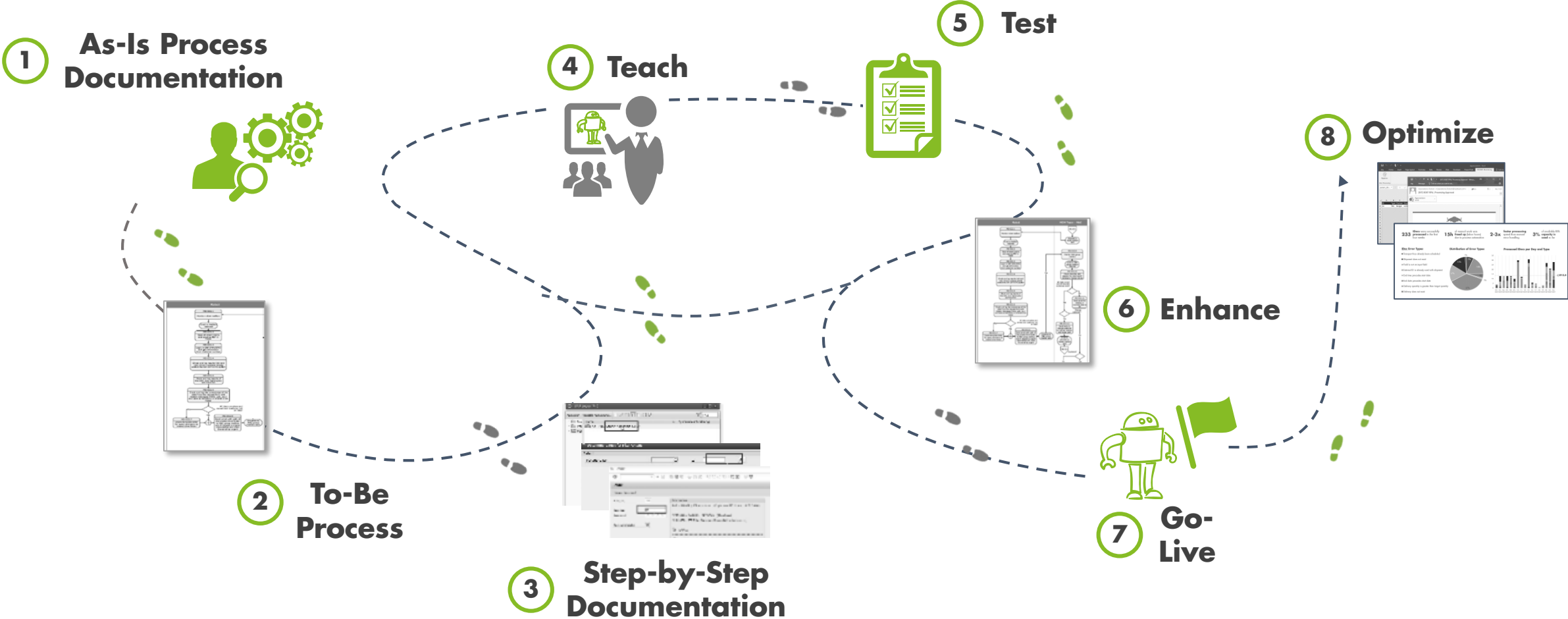
Business Case

Do a proper PoC and piloting phase with a feasibility study to validate benefits before large-scale deployment

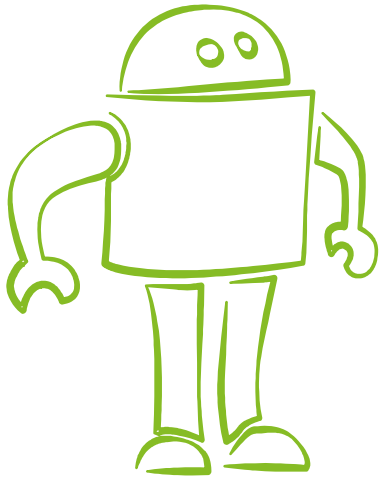
Change Management

Prepare the organization for the virtual workforce and shape discussions along the process automation journey

The Journey from a manual process to an enhanced automated process



RPA Pilot lessons learned



Robotics PoC was successful from technical perspective



Noticeable business benefits after Go-Live achieved



Precise and extensive “process rule-set” required



Robust and dynamic process architecture necessary



Business involvement indispensable for implementation

Center of Excellence

Target Operating Model

Strategy & Vision

- Defining the strategy and vision for process automation
- Identifying the expected business benefits, outlining how these align to corporate strategy and how they will be realised

Technology

- Defining a scalable, low maintenance technical environment and associated growth strategy

People

- Defining roles and responsibilities to operate efficiently
- Securing candidates for Robotics delivery, support and training roles

Service Model

- Agreeing the engagement model required to support operational processes
- Defining the management, reporting, scheduling and support model for processes for business as usual

Delivery Model

- Agreeing the Robotics delivery approach and embedding process documentation standards, templates and policies
- Defining the delivery management and tracking approach that ensures optimal usage of the defined methodology

Organization

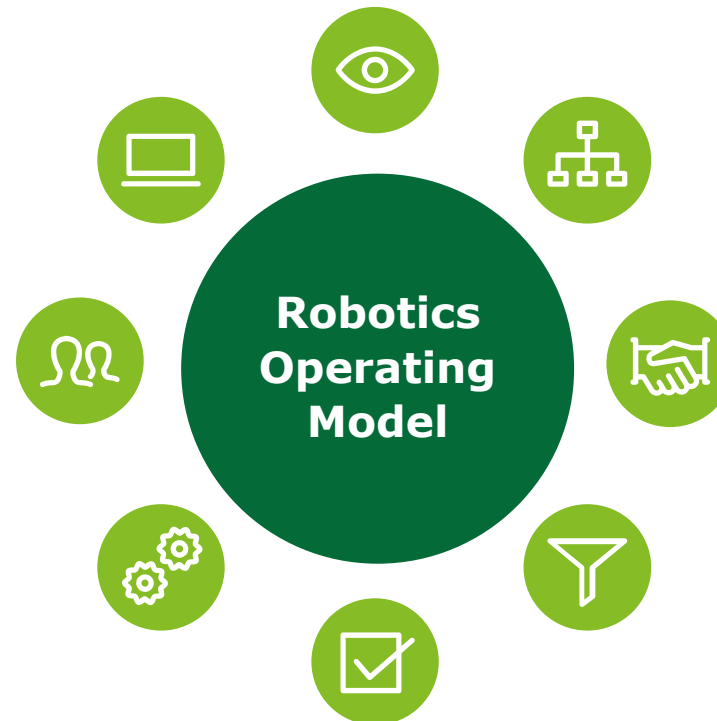
- Defining the organisational design that best supports delivery of the RPA capability and aligns with corporate strategy and culture

Governance

- Defining the decision structure and committee structure needed to decide, execute and manage robotics

Pipeline & Benefit Model

- Defining the opportunity assessment approach and pipeline triage procedure to optimise the number of processes selected for robotics and maximise the associated business benefit



CoE Dimension 1: Operating Model

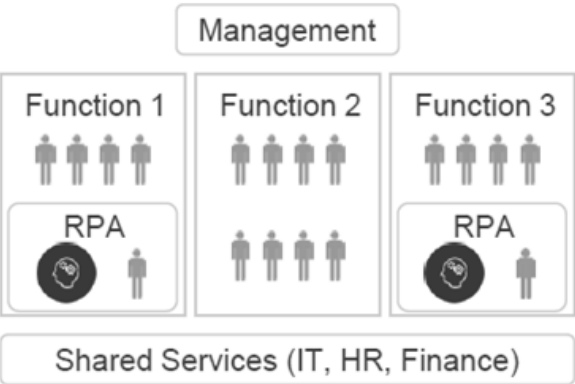
Illustrative

1 Operating Model



Divisional

- Local automations in individual functions with no/minimum dependency on other functions

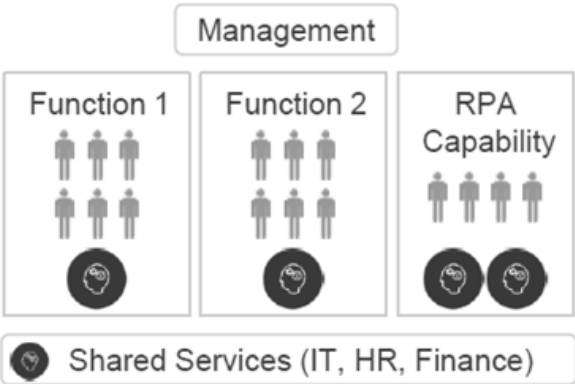


2



Federate

- Bespoke automations in multiple functions, supported by a central and standard platform when needed

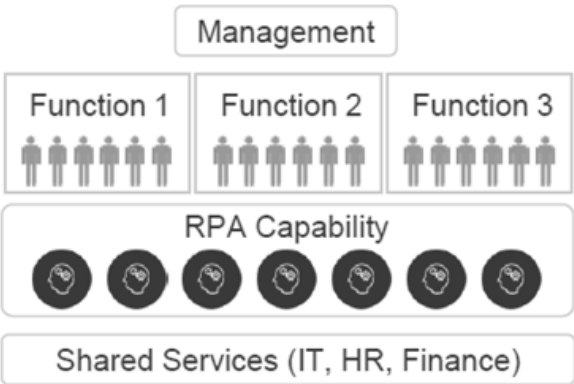


3



Centralised

- Low cost, scalable automations across the enterprise using a central and standard platform



CoE Dimension 2: Process Pipeline

Illustrative



Push Model

- Enablement of process experts with deep functional knowledge to understand RPA requirements (ambassadors)
- Identify suitable processes on their own based on checklist criteria and propose candidates (longlist)
- Gatekeeper (RPA specialist) validates proposed candidates (shortlist)
- present business case to decision board for approval and prioritization



Pull Model

- Establish process scouts with deep RPA knowledge
- Screening of processes for suitable candidates (e.g. through process pattern analysis and/or interviews with process experts & owners)
- Identify potential candidates (longlist)
- Validate with process owners and determine business case metrics (shortlist)
- present business case to decision board for approval and prioritization



CoE Dimension 3: Service Delivery Model

Illustrative

1

2

3

4



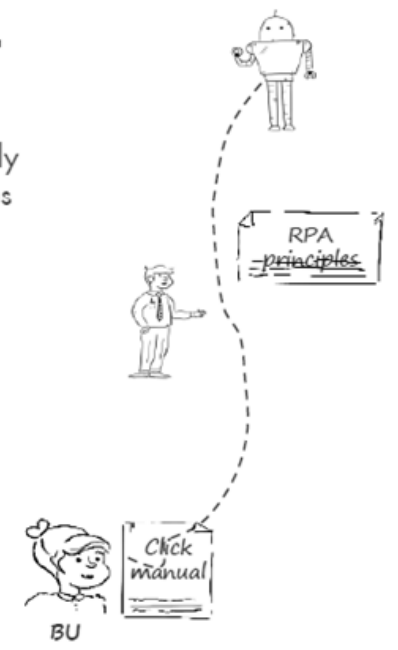
Internal Enablement

- Employees get a basis RPA-Training for 3-days and a "work shadowing" approach for their first automated process
- After the first automation with an expert, the employees automate their own processes according to the trained guidelines
- People use their knowledge to optimize new processes for automation



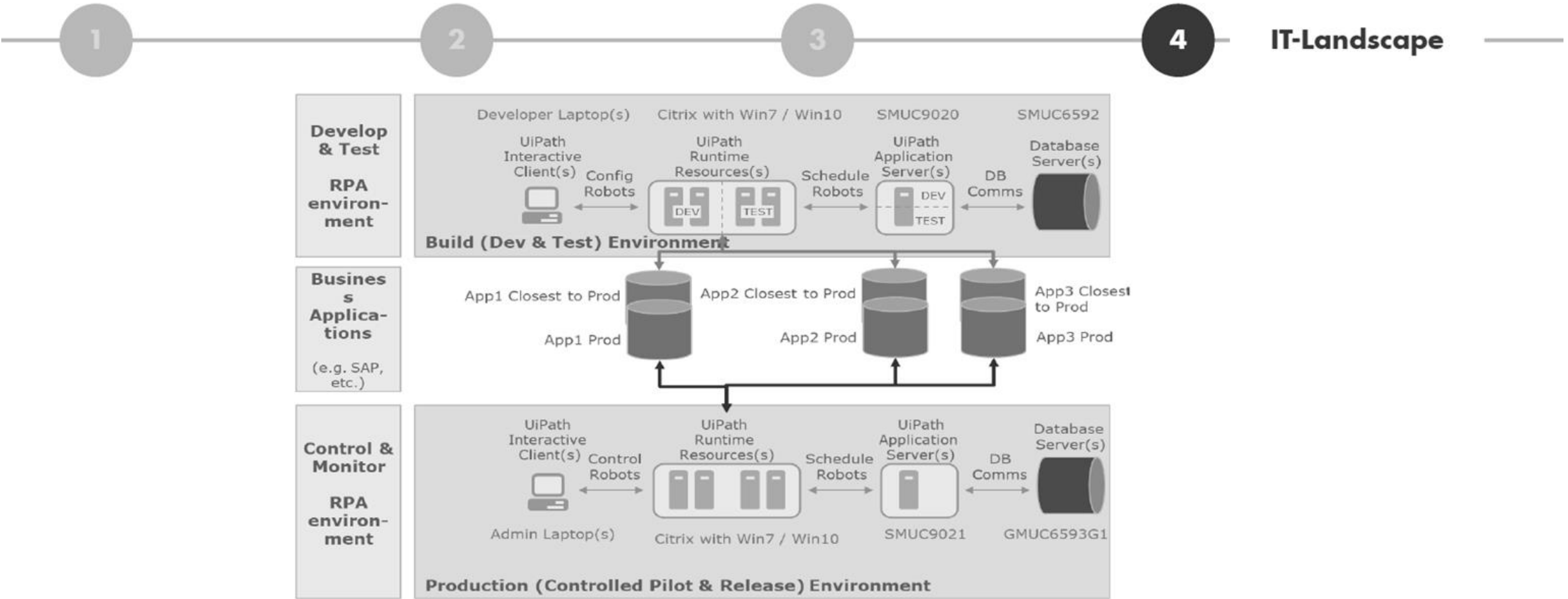
Service Delivery Model

- External developer are responsible for the automation of processes
- Number of developers can be easily adjusted to the number of processes for automation
- Documentation and process flows can still be prepared internally

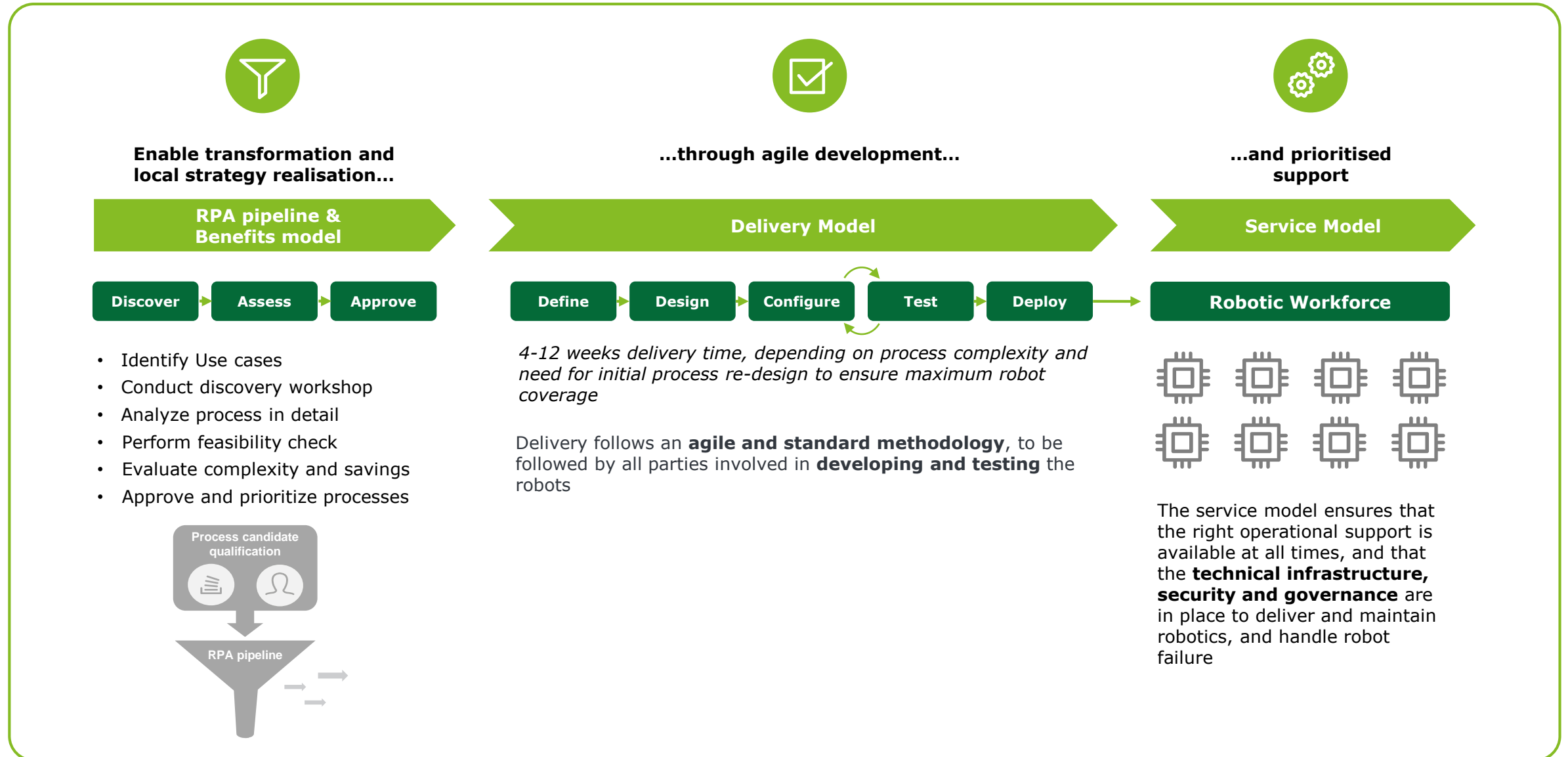


CoE Dimension 4: IT-Landscape

Illustrative



Robotics Process Selection, Delivery and Management - Overview



Q&A

