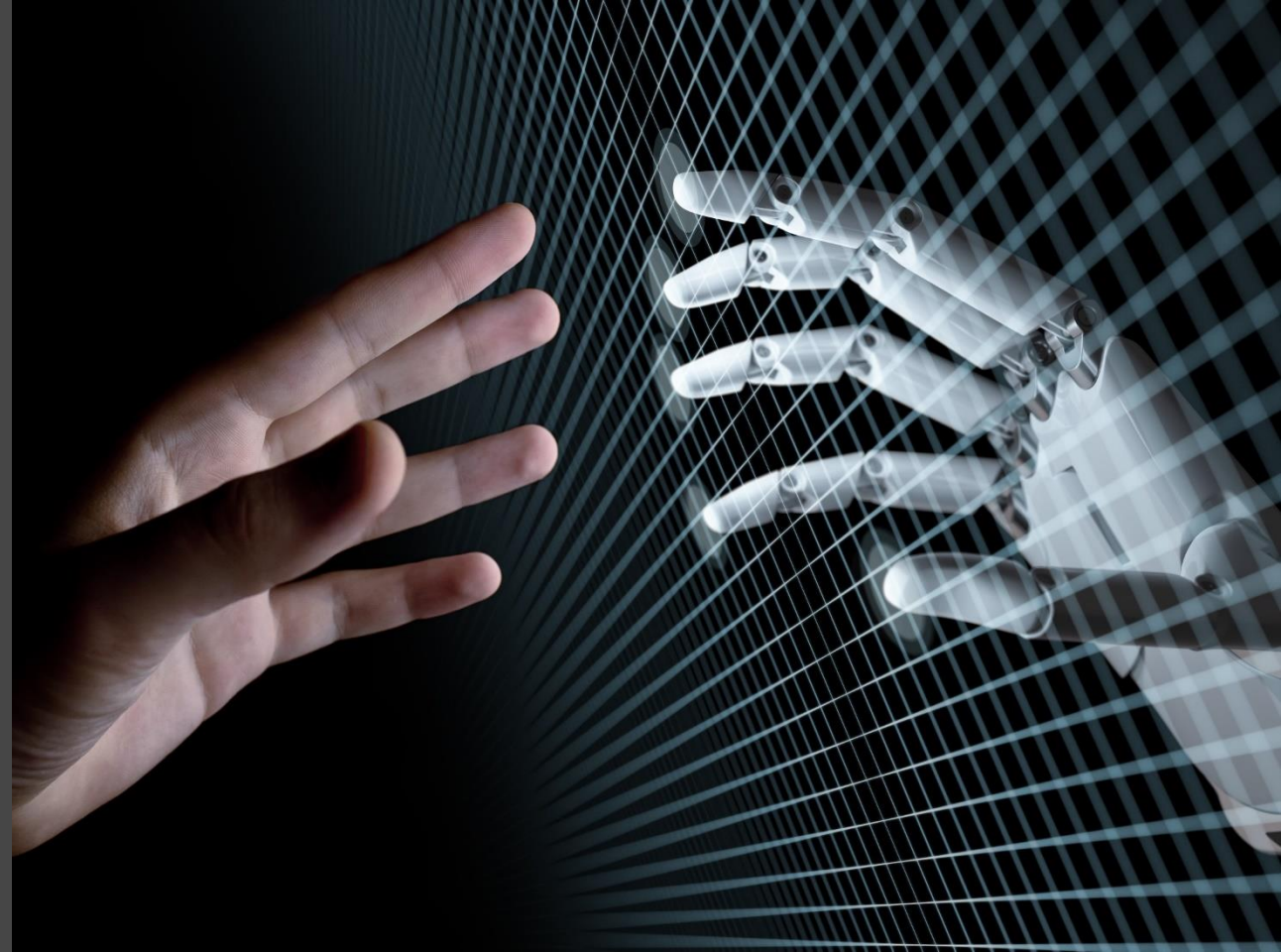


Automation pilots
seldom fail but the
programmes seldom
scale!



SHINE Virtual Conference
30 October 2019

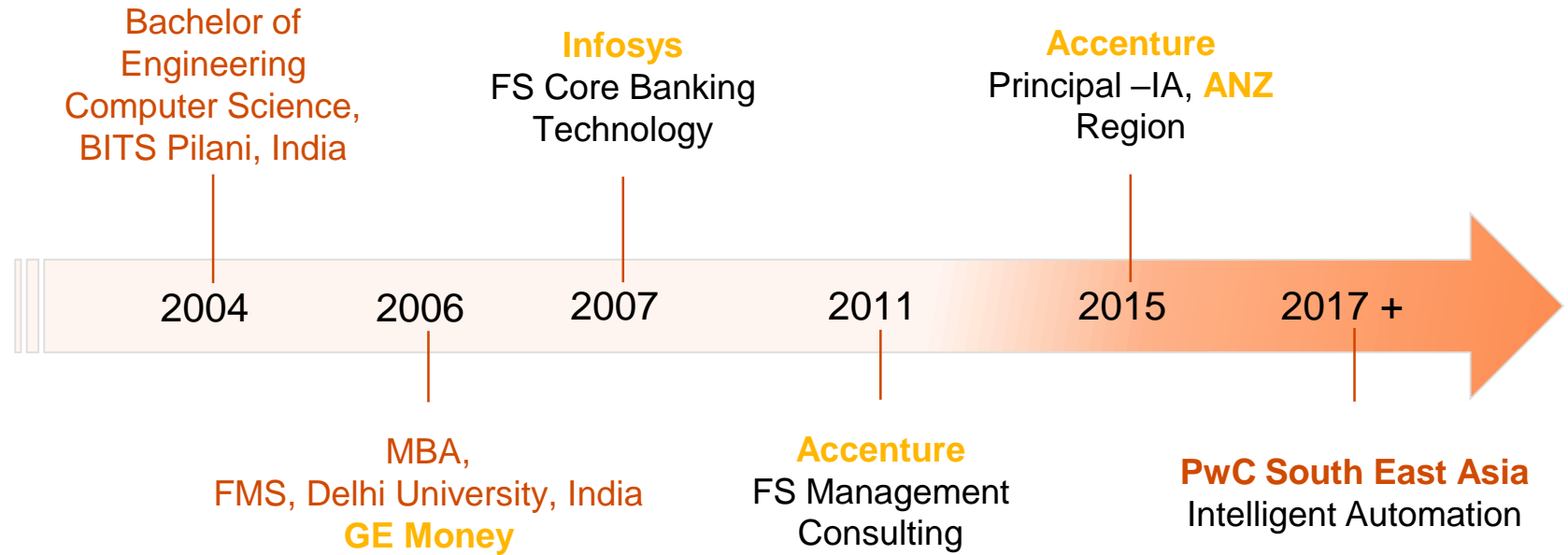


Agenda

1. Introduction
2. Context of automation through (software) bots
3. What is Intelligent Automation (IA)
4. Scaling IA programmes

Who is Abhijit?

Professional Journey



Highlights

13+

years of experience

50+

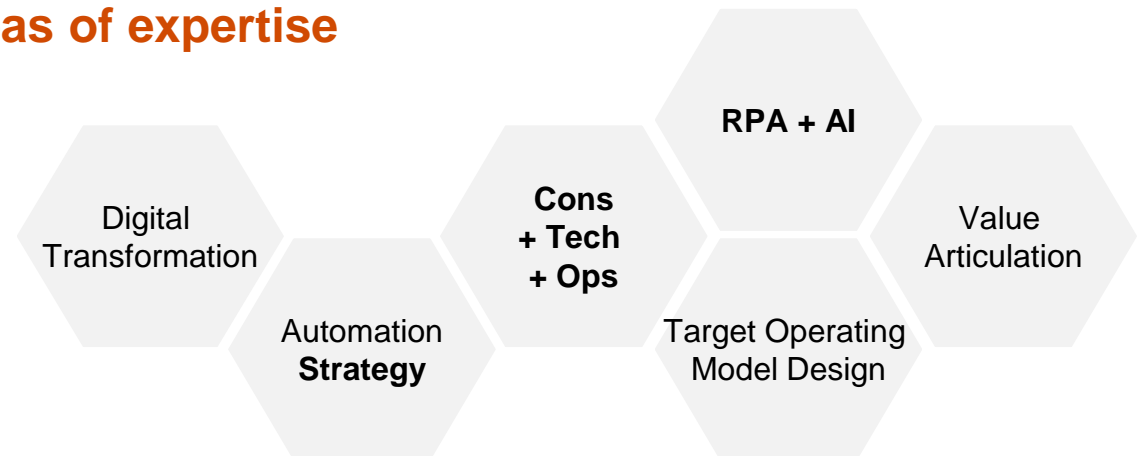
global clients

5/12

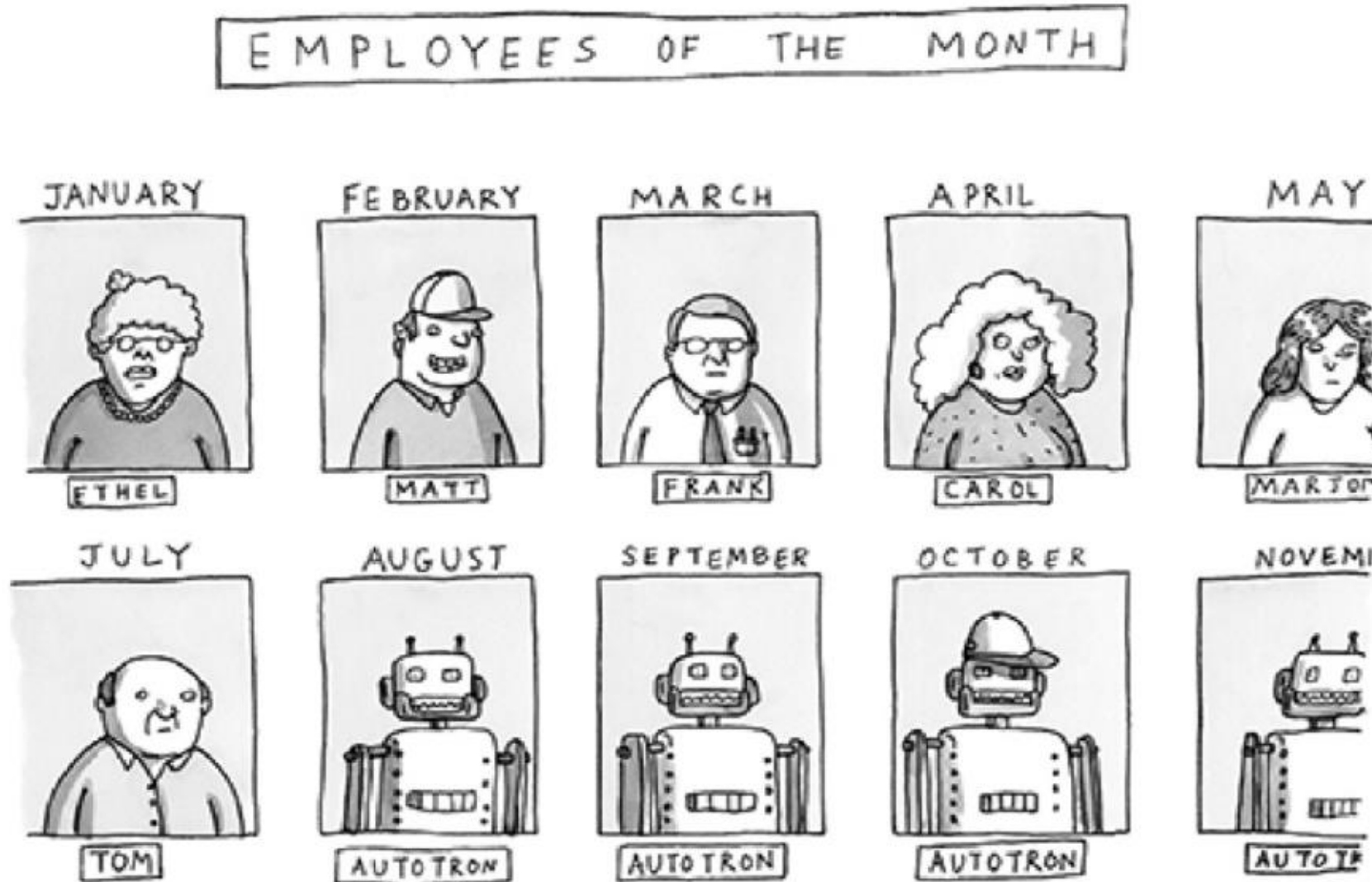
Continents/Countries

FS,
G&PS,
Finance, HR, IT

Areas of expertise



Employee of the month? Will robots take all our jobs?



Some buzzwords!



Machine Learning

Machine learning is just one topic area or sub-field of AI. It is the science and engineering of making machines “learn”. Machine learning focuses on finding patterns in data and using those patterns to make predictions.



Deep Learning

Deep learning is actually a type of machine learning that uses multi-layered neural networks to learn. There are other approaches to machine learning, including Bayesian learning, evolutionary learning, and symbolic learning.



Natural Language Processing

Algorithms that process human language input and convert it into understandable representations.



Machine vision (Image Analytics)

The process of pulling relevant information from an image or sets of images for advanced classification and analysis.



Speech Recognition

Speech recognition is the technology by which sounds, words or phrases spoken by humans are converted into electrical signals and assigned meaning. Each human voice is different, and identical words have different meanings if spoken with different inflections and contexts.



Swarm Intelligence

Swarm intelligence is all about the collective behaviour of self-organised systems to solve problems and is inspired by examples from nature (birds, ants, bees, etc.). Recent research is focused on multiple simple robots that work collectively to perform complex tasks.



Cognitive Computing

Cognitive computing does not have a clear definition. At best, it can be viewed as a subset of AI that focuses on simulating human thought process based on how the brain works.



Soft Robotics (Robotic Process Automation)

Automation of repetitive tasks and common processes such as IT, customer servicing and sales without the need to transform existing IT system maps.

RPA has been a 'game-changer' for close to a decade now!

Robotics Process Automation (RPA) is the automation of business processes that is governed by business logic and structured inputs. The software robot replicates the action of a human being interacting with the user interface of a computer system.

What RPA is



Able to take on structured, repeatable and computer-based tasks



A software 'robot' that interfaces with existing applications

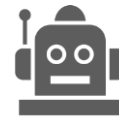


Capturing details of the process and storing it for potential auditing



Creating a virtual digital workforce

What RPA is not



A humanoid robot



Something that can entirely replace humans

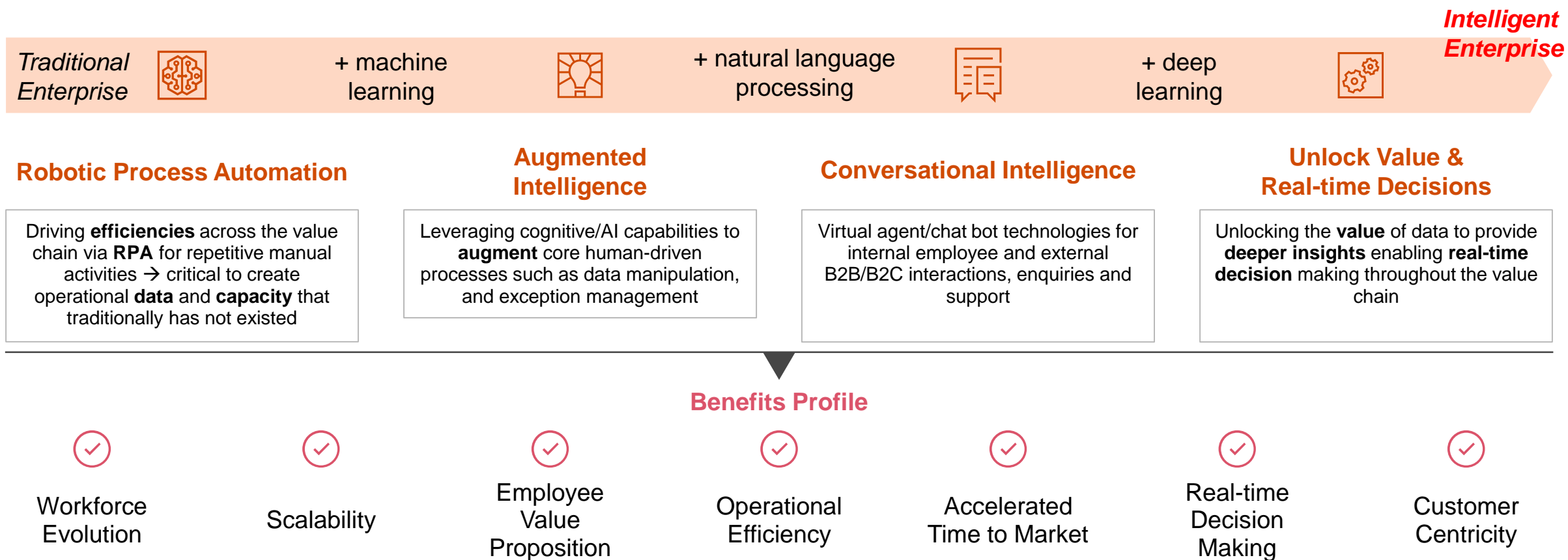


A cognitive computing system that learns from data as "experience"



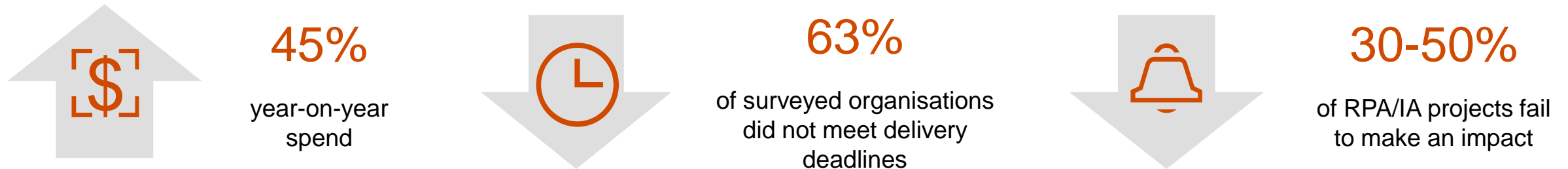
A chatbot

RPA is the catalyst and ‘forms the foundation for AI’ – when combined with these technologies it becomes ‘Intelligent Automation’



Key trends in Intelligent Automation adoption

Most organisations are **'trying RPA'** and **'testing IA'**. We seeing significant growth coupled with a lack of impact.



This has resulted in a significant trend towards a strategic and holistic approach, especially as these technologies are now becoming a core competency.



Strategic v/s Tactical Outlook

More and more clients are looking at RPA/IA as an inherent part of their digital transformation strategy rather than a 'tactical' proposition



Focus on Risk & Governance

After failure, more and more clients are focusing on creating a robust governance framework from the beginning to mitigate key risks



Business-led and Cross-collaboration

No longer a 'bot-building' exercise to be undertaken by IT. A sustainable program requires competencies ranging from strategy, risk, change, operations, and technology

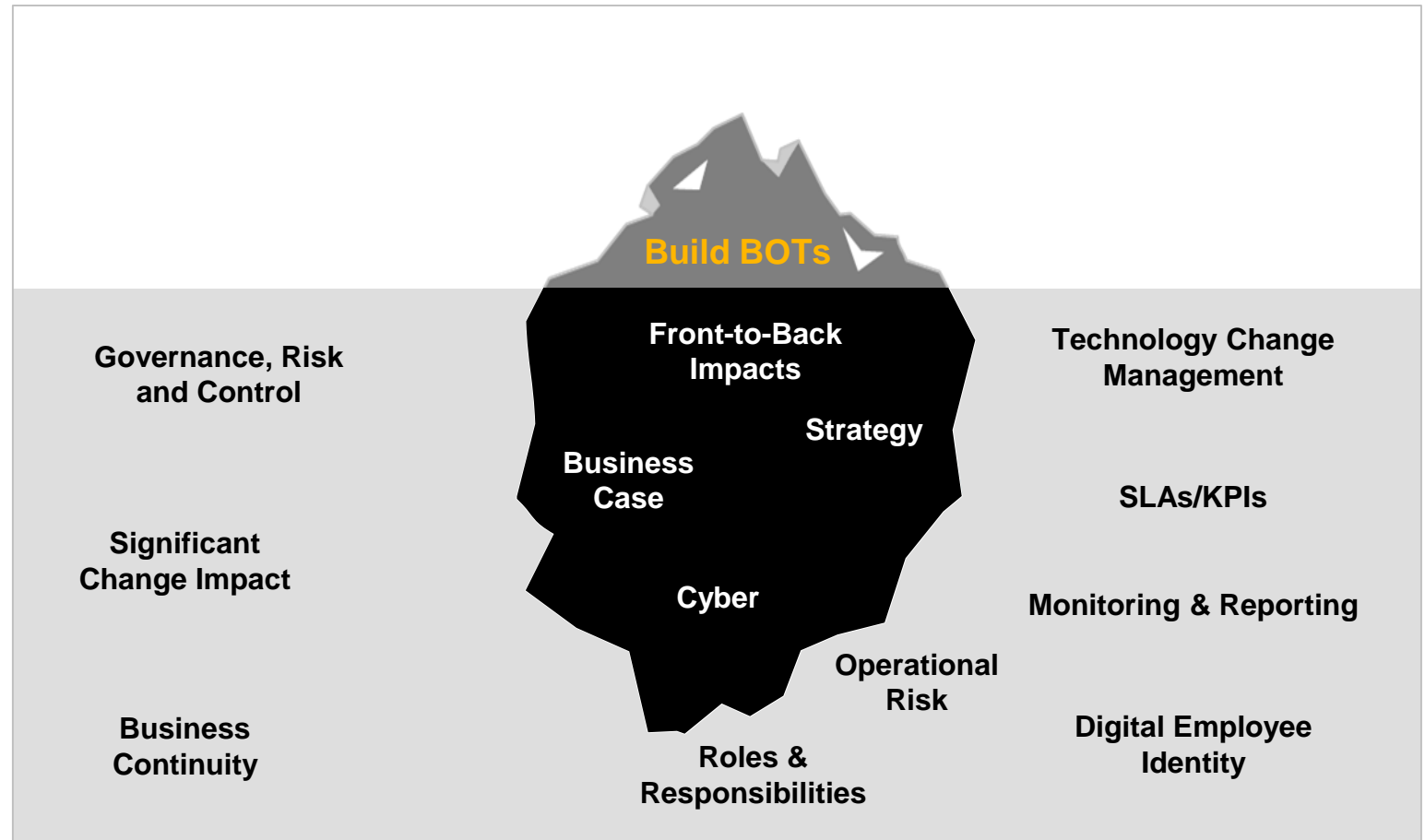
Intelligent Automation is more than just 'BOT' building

It is critical to realistically manage expectations around benefits while simultaneously building a self sustainable risk and governance framework to avoid failure to scale

~40%

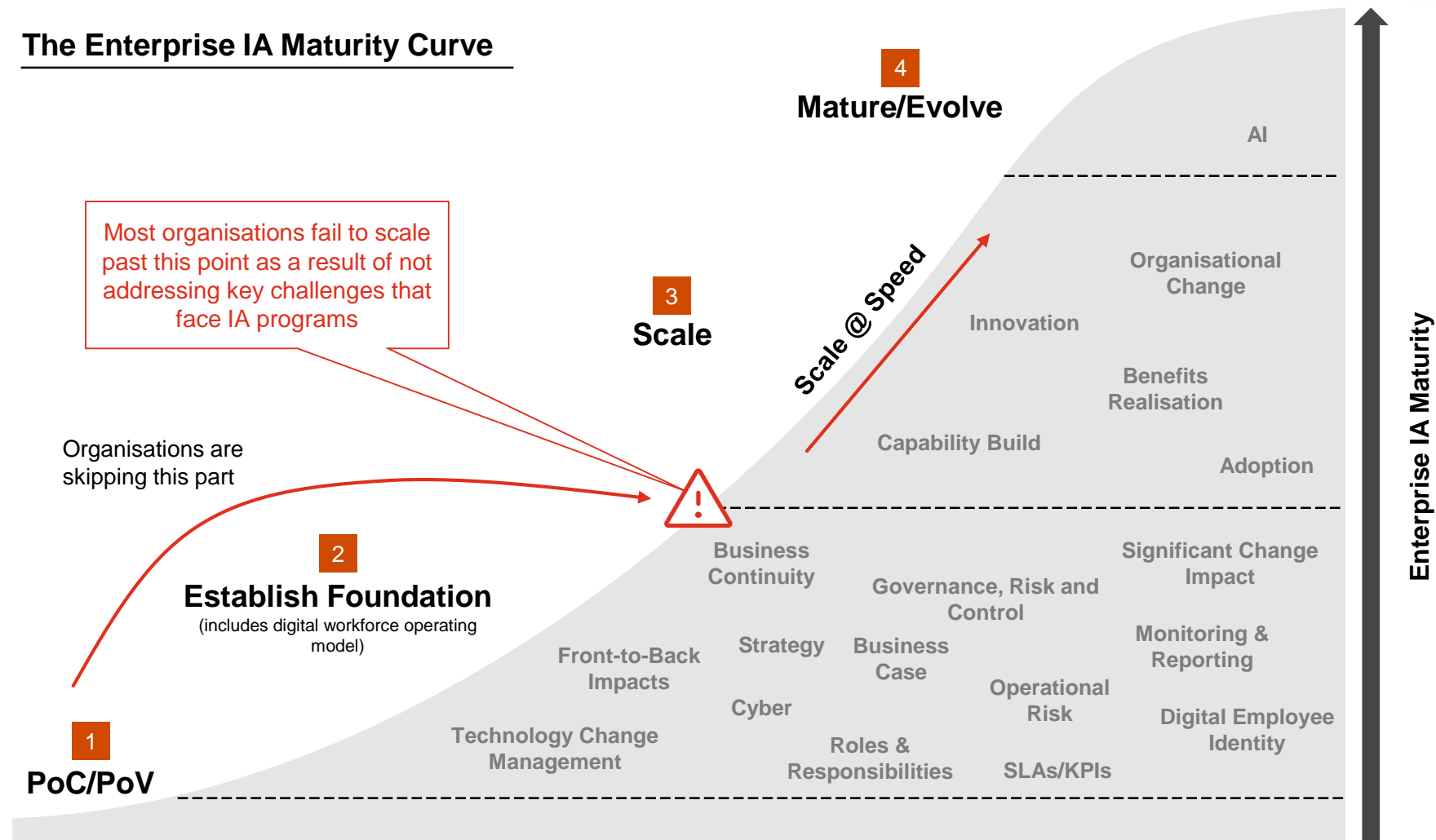
is our experience for the average amount of effort spent performing 'BOT building' during a successful RPA or IA program.

Many other considerations must be addressed to ensure holistic and sustainable success.



Foundational operating model elements are needed in order to scale RPA and into IA across the enterprise

The Enterprise IA Maturity Curve



There are 4 distinct phases across the maturity curve.

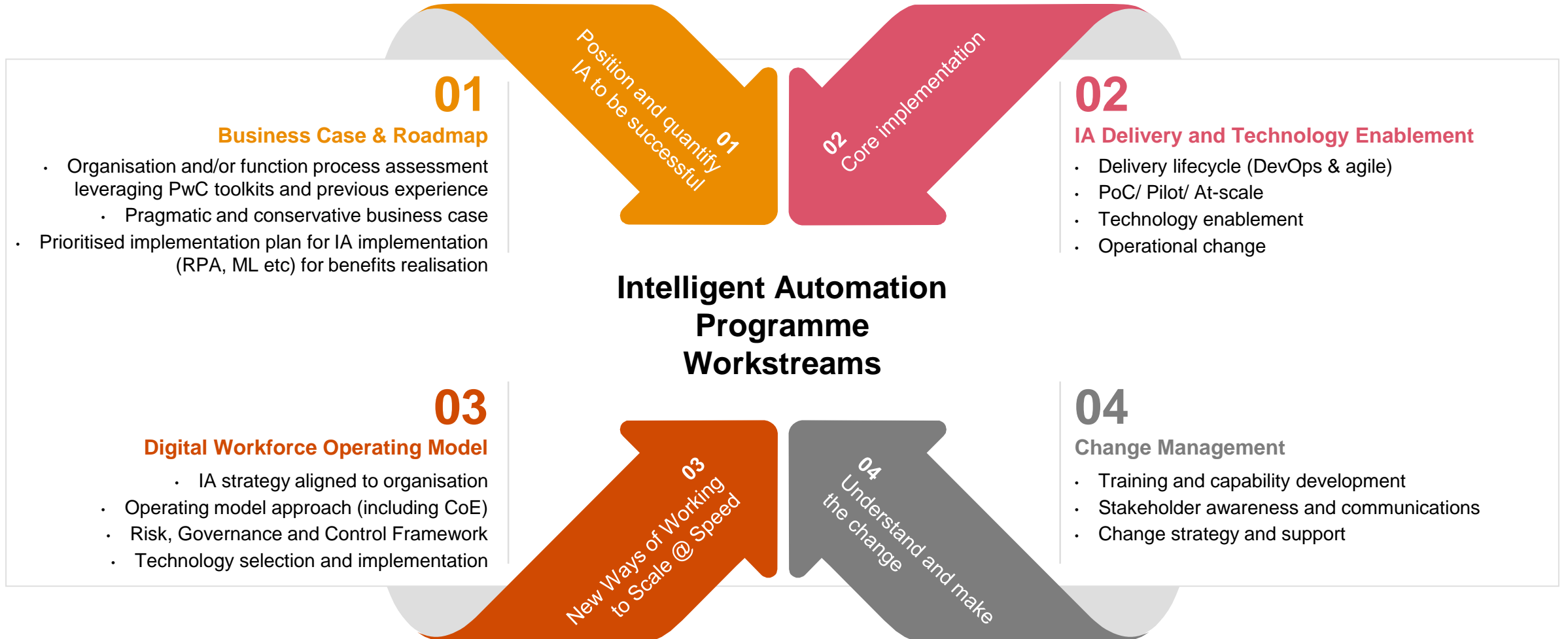
If a limited number of the operating model elements are in place, scaling IA across the enterprise will prove challenging.



Key Challenges

- Stakeholder and leadership Alignment
- Positioning of IA and benefits realisation
- Disruption due to new ways of working
- Technology enablement
- New compliance, cyber and risk considerations
- Ongoing monitoring, performance and support

Bolster your IA pilot with a holistic set of work streams



Critical success factors for achieving scale in Intelligent Automation



Build the right foundation

- Well **articulated** and measured **value proposition & strategy**
- Agreed **holistic and scalable operating model** with robust underlying processes
- Established IA **governance** to reduce operational risk, compliance and audit issues



Organisational culture, change and communication

- Recognise and address the **disruption and transformation** of the workforce and the organisational change
- **Inadequate** organisational and operational change leads to **poor delivery & disillusioned business.**
- **Transformational change** to be at the **forefront** of the IA Implementation



Business leadership & new ways of working

- **Leadership support and alignment** are essential for successful IA execution
- Business and Technology **working together** to achieve IA benefits.
- Support the new way of working across the organisation **to achieve and sustain agility** and scalability of the business



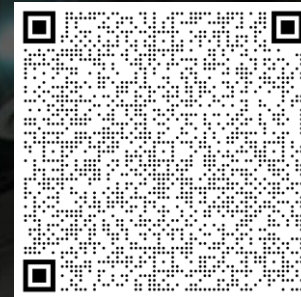
Ability to realise realistic benefits

- Conduct **realistic assessment of benefits**
- Constant **workforce optimisation and change** is required to realise the benefits
- Clarify **roles and responsibilities** in Operating model for digital workforce optimisation and benefits realisation



Continue to Innovate

- Continue to focus on **innovation and new technologies** for IA to realise more benefits and stay ahead of competition
- Continues IA **opportunity assessment** to identify complimentary benefits
- Focus on **people upskilling** to manage and evolve IA



Thank you!



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