



ptc

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A NEW ERA IN PRODUCT LIFECYCLE INNOVATION

SESSION ID: II1199C

SCALING SMART FACTORY BEYOND PILOTS

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Scaling Smart Factory Beyond Pilots

Don Rashitha Jayasekara (Chief of Digital Manufacturing, Rolls-Royce)

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Civil Aerospace



Electrical

Rolls-Royce



Power Systems



Defence



Key Questions

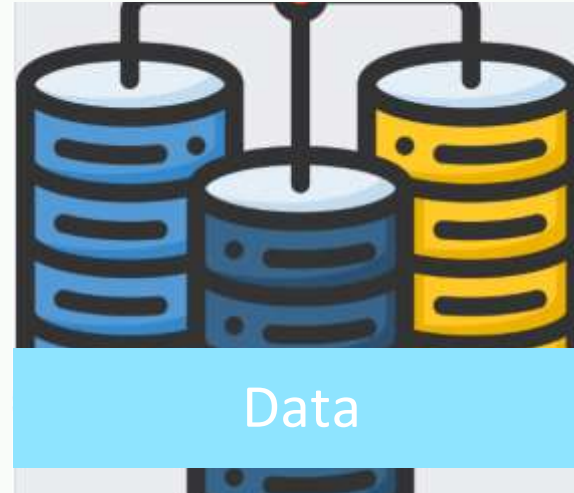
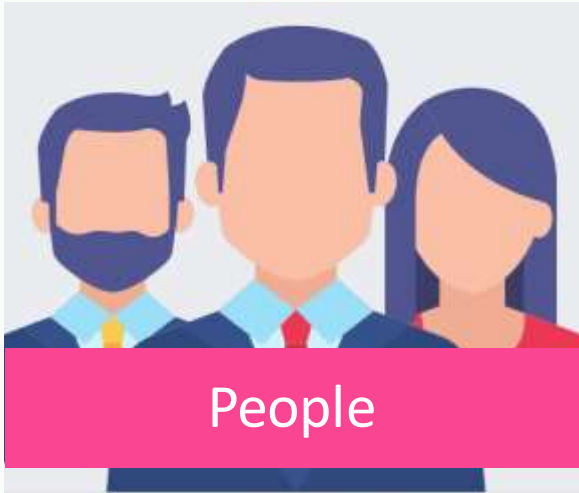
When and where to scale?

How to build a winning team?

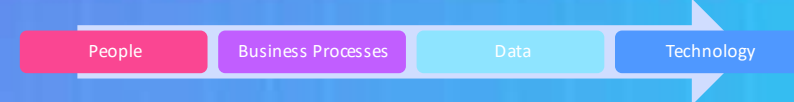
How to maximise value?

What are the key challenges for scaling?

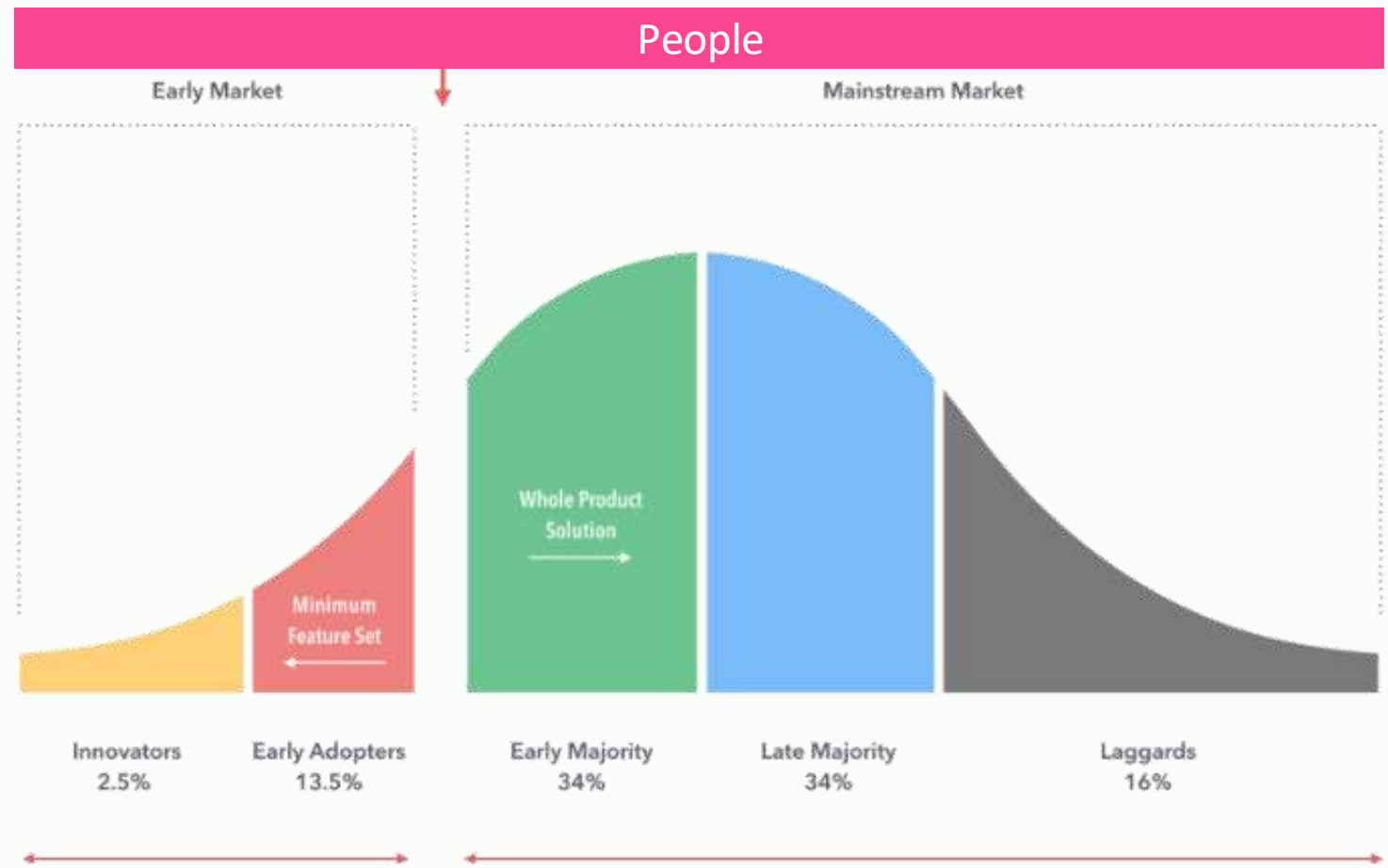
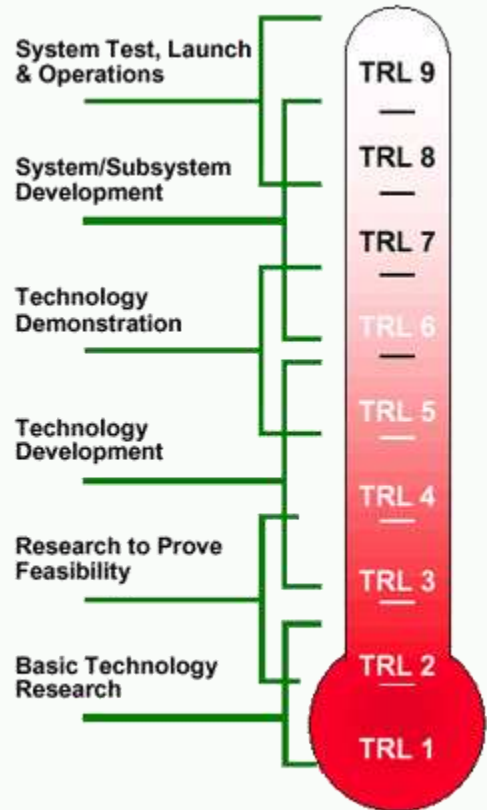
Digital Transformation



When and where to scale?



Product



Moore, Geoffrey A., Crossing the Chasm, 3rd Edition (Collins Business Essentials) . Harper Business.

How to build a winning team?



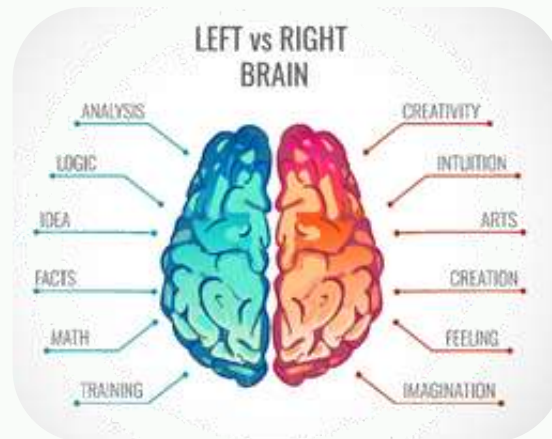
Leadership and vender alignment



Citizen Enablement



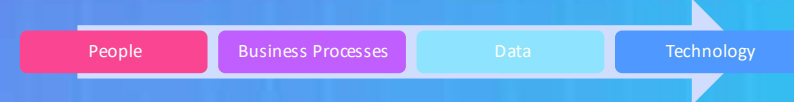
Build a diverse team



Flexible Resource capacity



How to Maximise value?



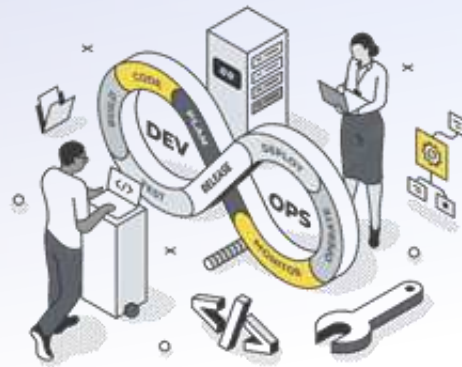
Prioritise by **value**,
effort & scalability



Align capabilities to business
outcomes



Agile delivery



DEVOPS

Be bold to stop



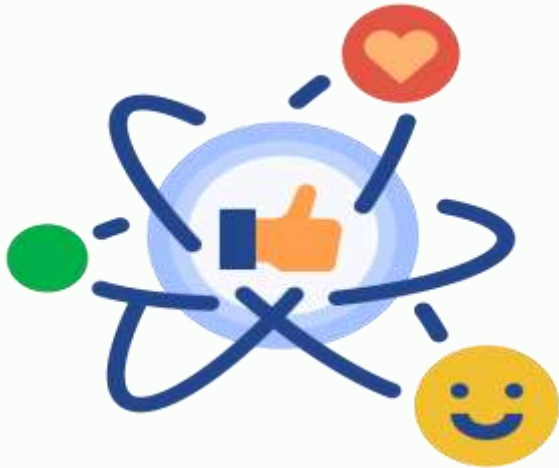
What are the key challenges to scale?

People

Business Processes

Data

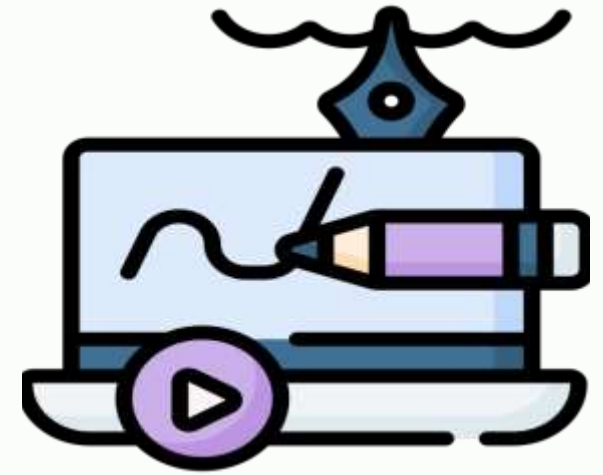
Technology



People & Skills

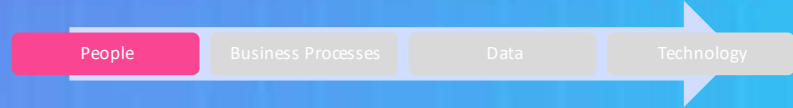


Business Process
Variability



Technology
complexity

What are the key challenges to scale?



People & Skills



Engage leaders in their language



Select products with scalable talent development platforms

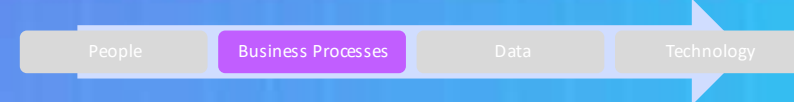
Have a talent strategy

<p>Skills Recruit for technical versatility</p> <p>Seek staff with the ability to adapt and work in more versatile technology roles.</p>	<p>Competencies Focus on collaboration and engagement</p> <p>Provide staff with the means of working and collaborate directly with business partners.</p>	<p>Career Paths Create experience-based careers</p> <p>Offer new job roles that give staff experience for growth.</p>
<p>Team Structure Build future teams</p> <p>Mix military talent with IT and staff from other functions to enhance range of skills.</p>	<p>Mindset Foster a climate of openness</p> <p>Promote appropriate risk taking and adaptability to digital business models.</p>	<p>Inclusion Invest in diversity</p> <p>Strengthen retention and development for women and other under-represented groups.</p>

Communicate broadly



What are the key challenges to scale?

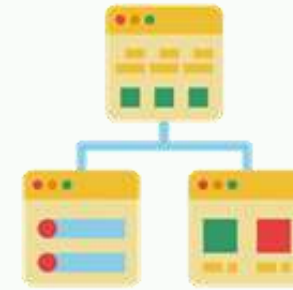


Business Process Variability

Find common winning goals



Create a robust program structure



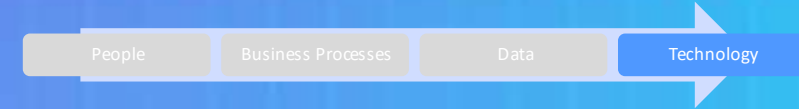
Standardise where possible



Establish a great support capability



What are the key challenges to scale?



Technology complexity

Understand OT landscape



Target scalable & standard OT



Introduce Data management



Develop a repeatable test strategy



An illustration in a dark blue and light blue color palette. Two stylized human figures are shown from the waist up, facing each other. The figure on the left is a woman with long dark hair, wearing a light blue long-sleeved shirt and dark blue pants. She is holding a dark blue rectangular object, possibly a tablet or a piece of paper. The figure on the right is a man with a beard and glasses, wearing a dark blue t-shirt and dark blue pants. He is holding a large, dark blue puzzle piece. The background consists of several large, light blue puzzle pieces arranged in a grid-like pattern. In the bottom right corner, there is a small gear icon. A white horizontal line is drawn across the middle of the image, below the text.

Questions?





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