



34th Annual **INCOSE**
international symposium
hybrid event
Dublin, Ireland
July 2 - 6, 2024



Presenters: Kerry Lunney & Stéphane Bonnet

The A to Z for Implementing a Digital Transformation (DT) on a Systems Project

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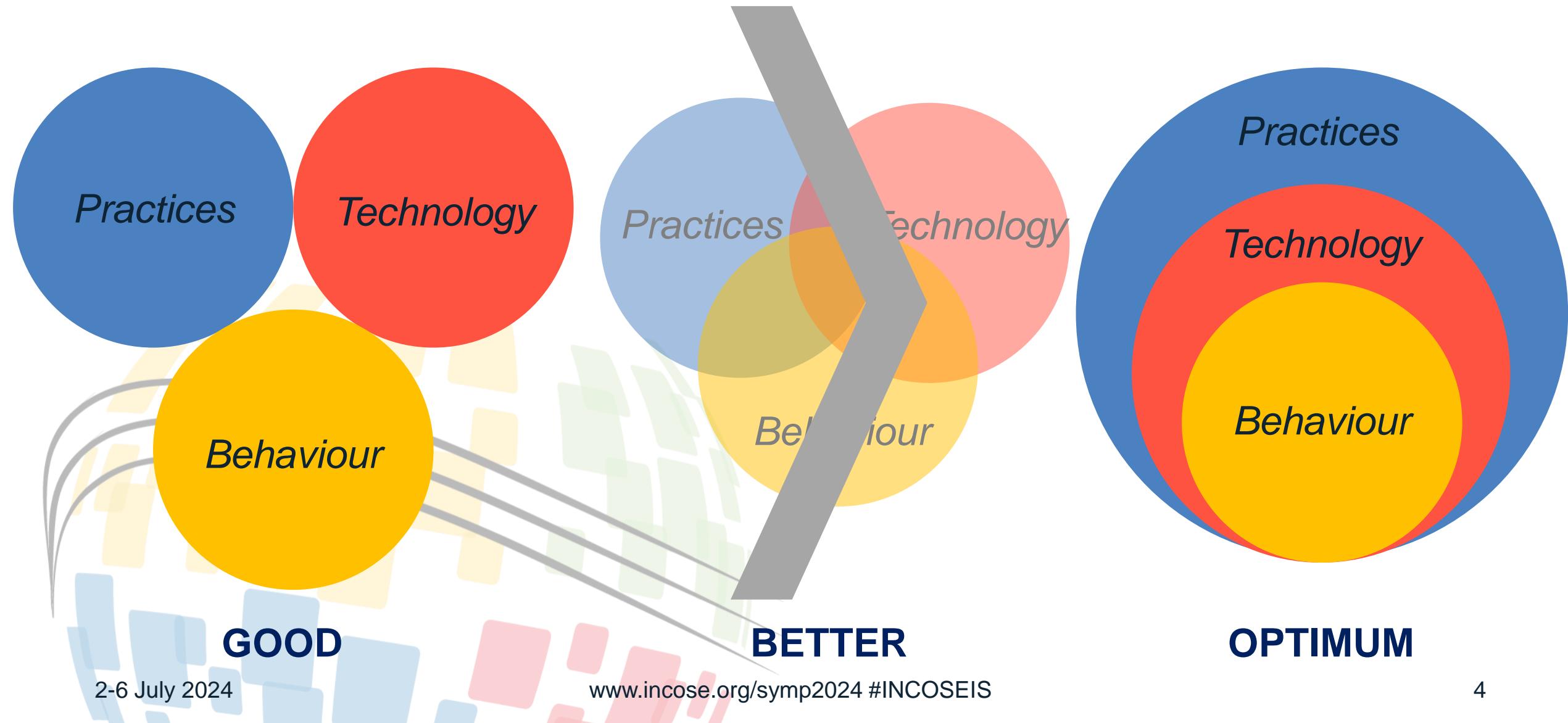
Trials & Tribulations of Transforming



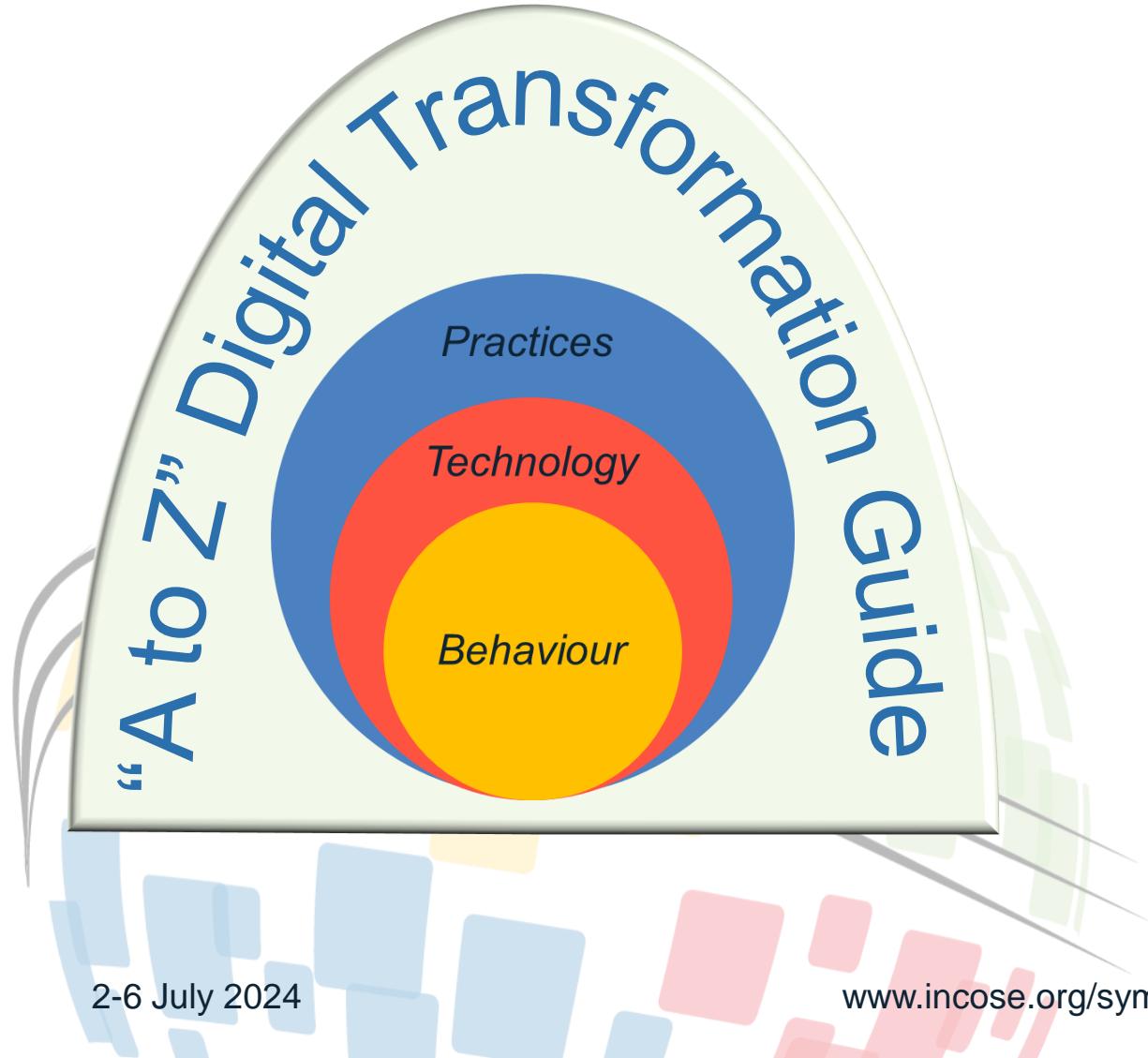
Expected Outcomes from a Digital Transformation (DT)

- Value creation
- Generation of data & knowledge
- Streamlined & “automated” processes
- Model based approaches
- Digital skilled organisation
- Multiple platform & infrastructure options
- Faster responsiveness
- Increased experimentation
- Greater collaboration & sharing capability
- Improved “what if” analysis
- Improved “speed to market”
- And more...

Ideal Digital Transformation Pattern

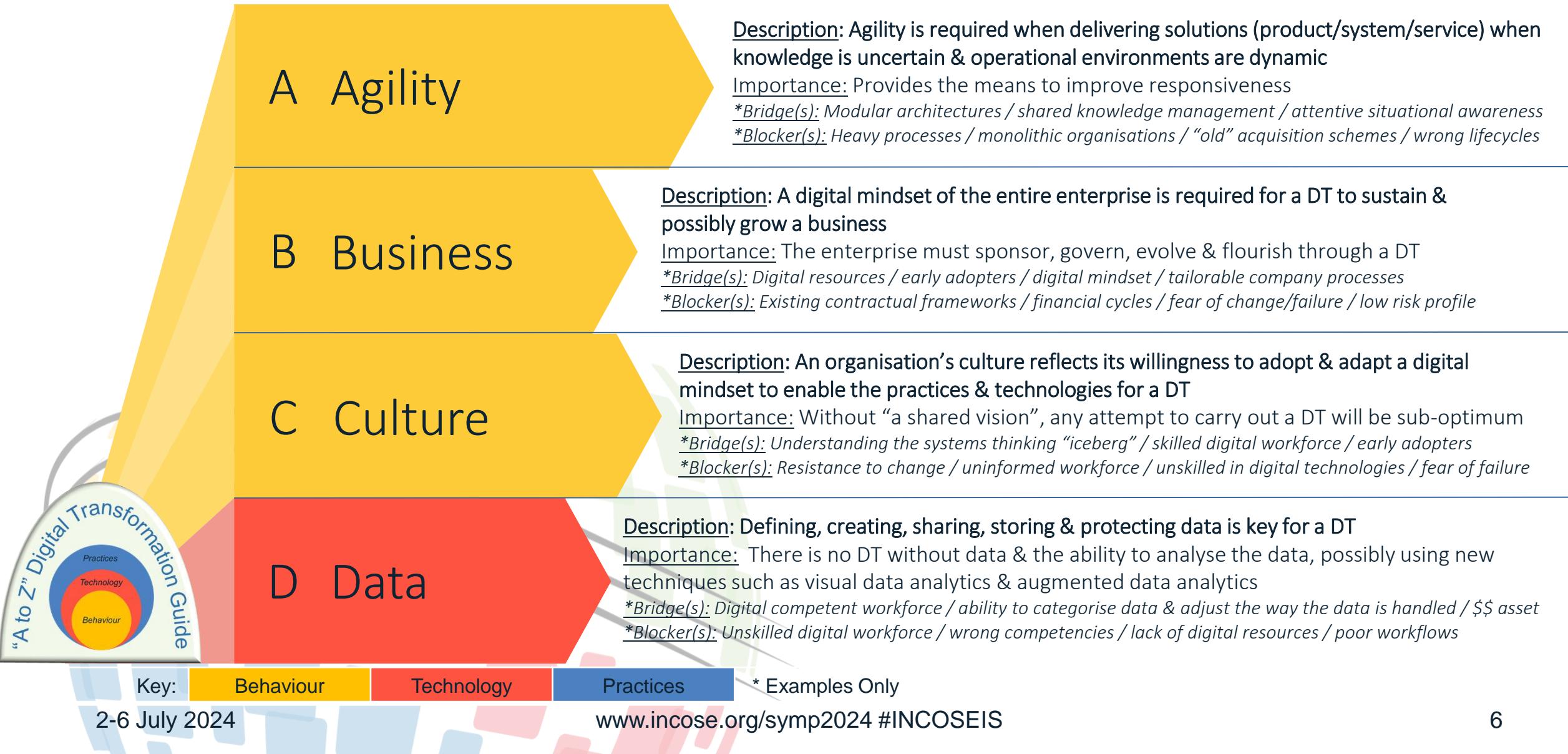


To Navigate the Digital Transformation (DT)

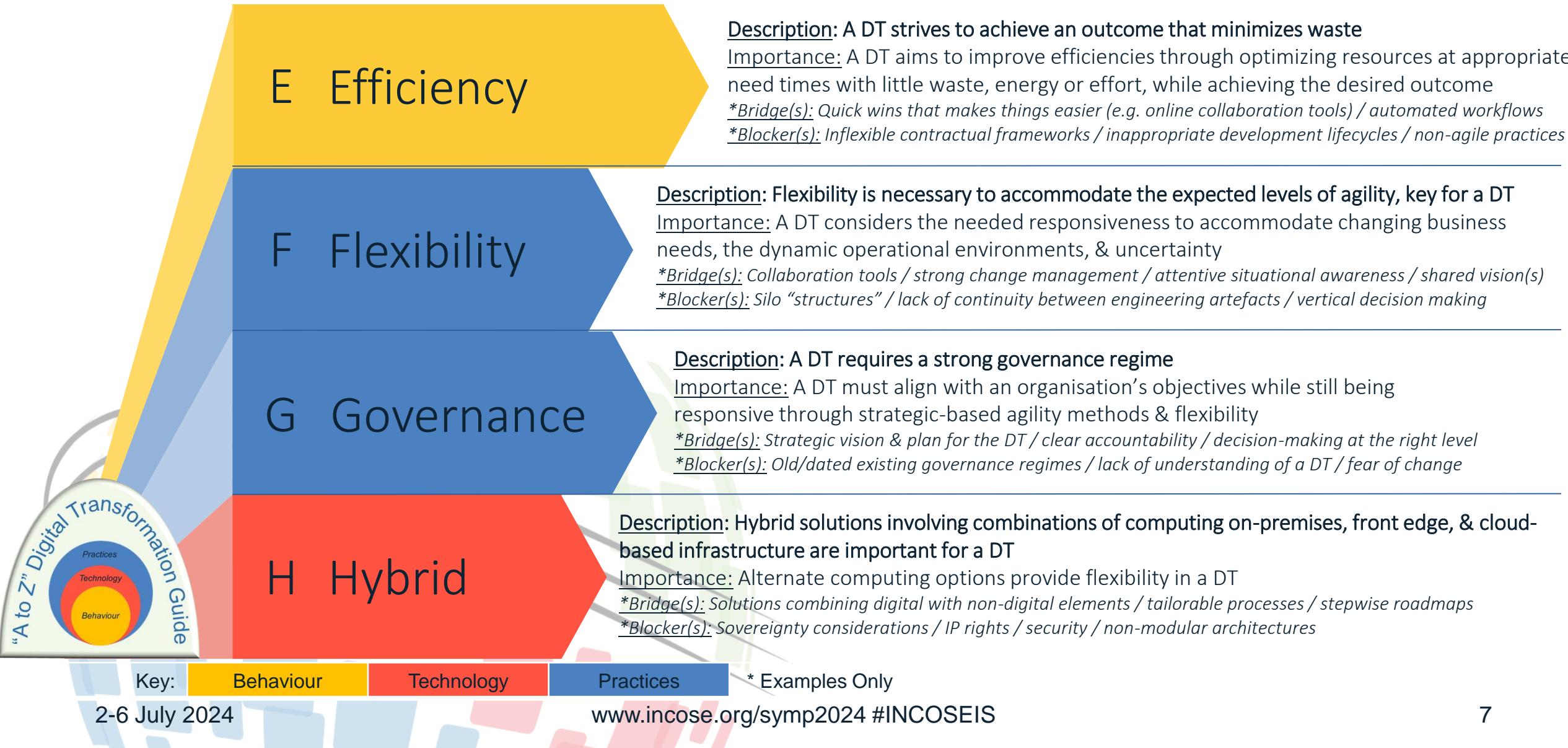


- Format for each letter –
 - Key word
 - Description
 - Importance
 - Bridges & Blockers – these are examples only
- Note that although the presentation will include 26 tips, when presenting only a handful will be discussed due to time limitations

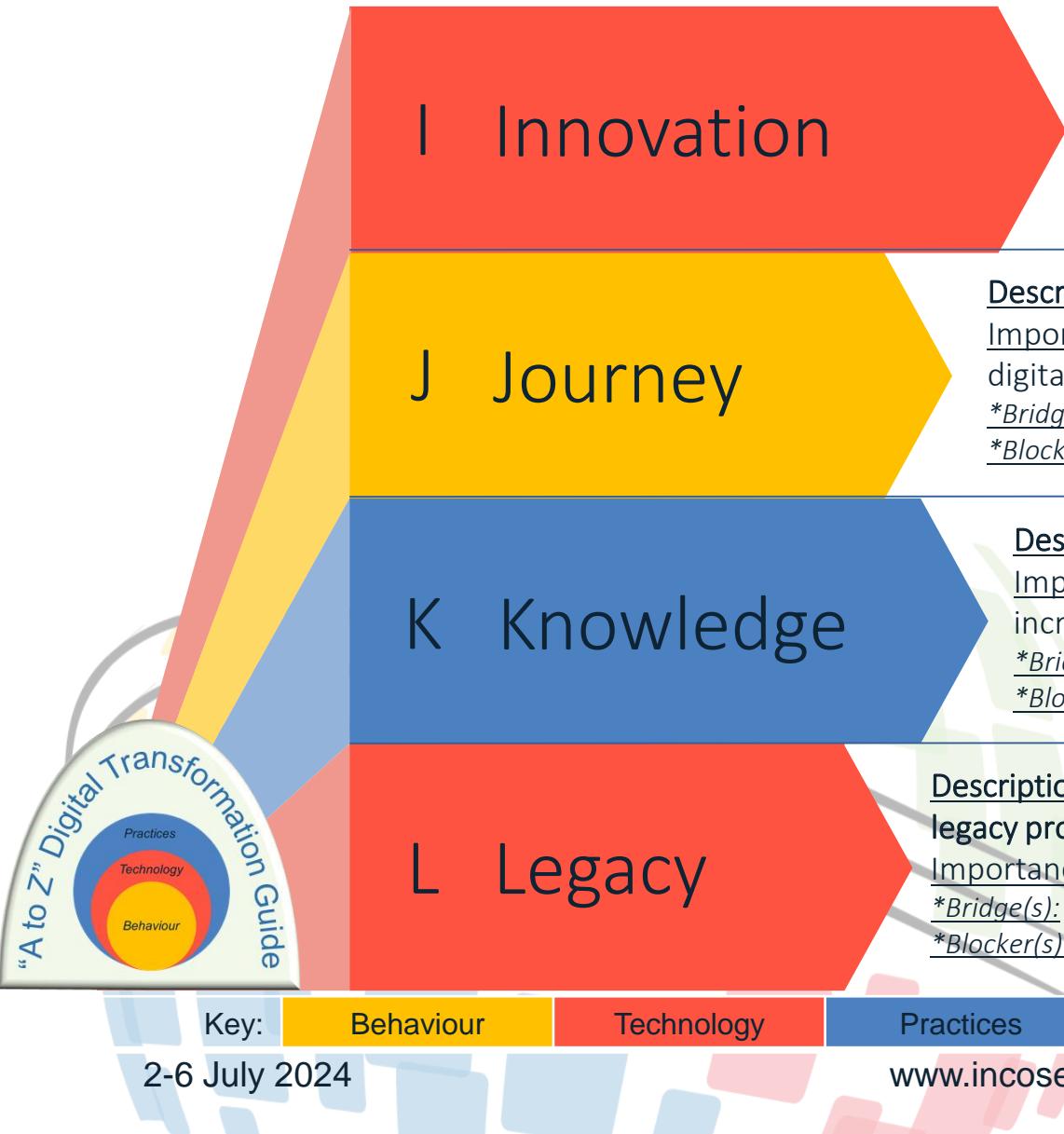
A to Z Digital Transformation (DT) Guide (1/7)



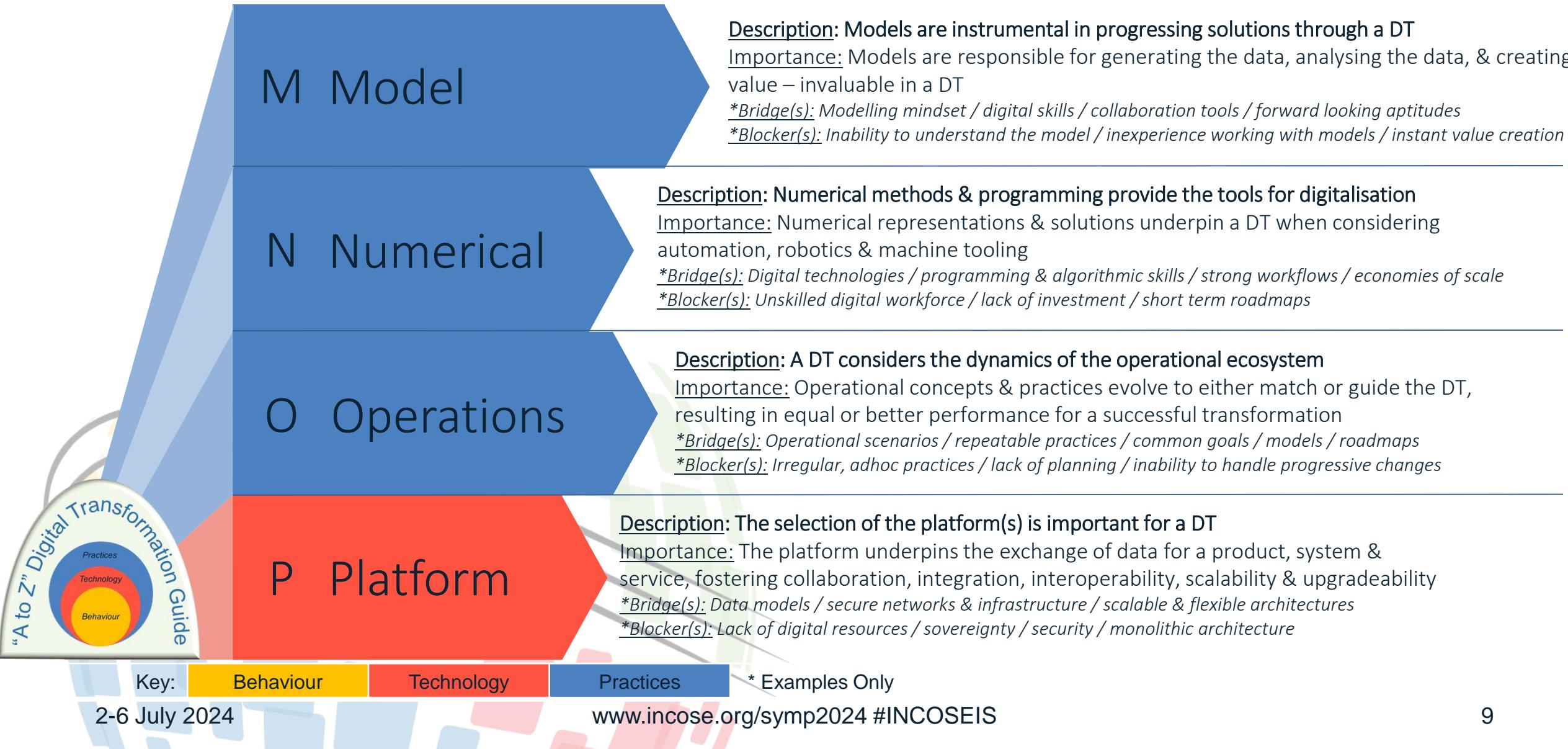
A to Z Digital Transformation (DT) Guide (2/7)



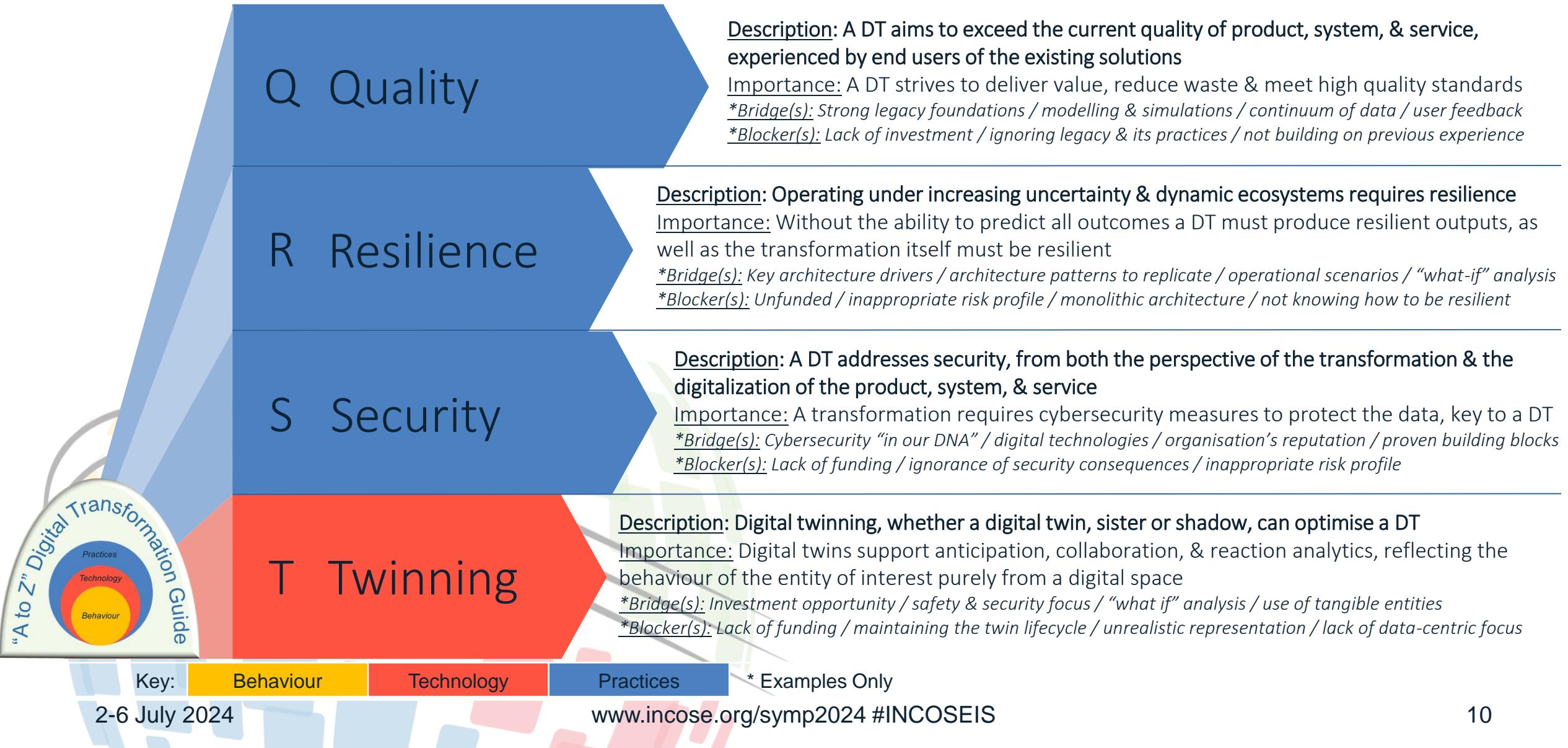
A to Z Digital Transformation (DT) Guide (3/7)



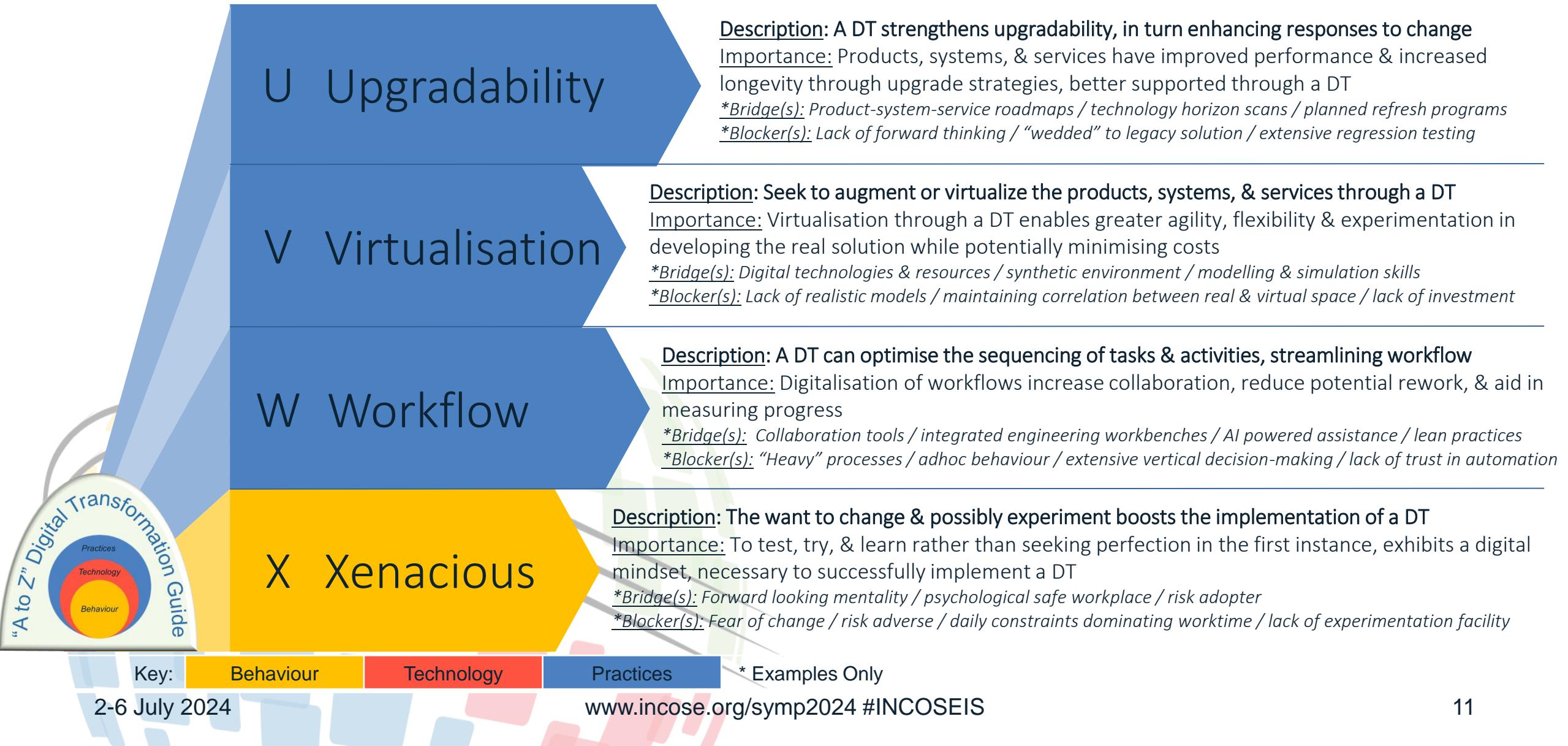
A to Z Digital Transformation (DT) Guide (4/7)



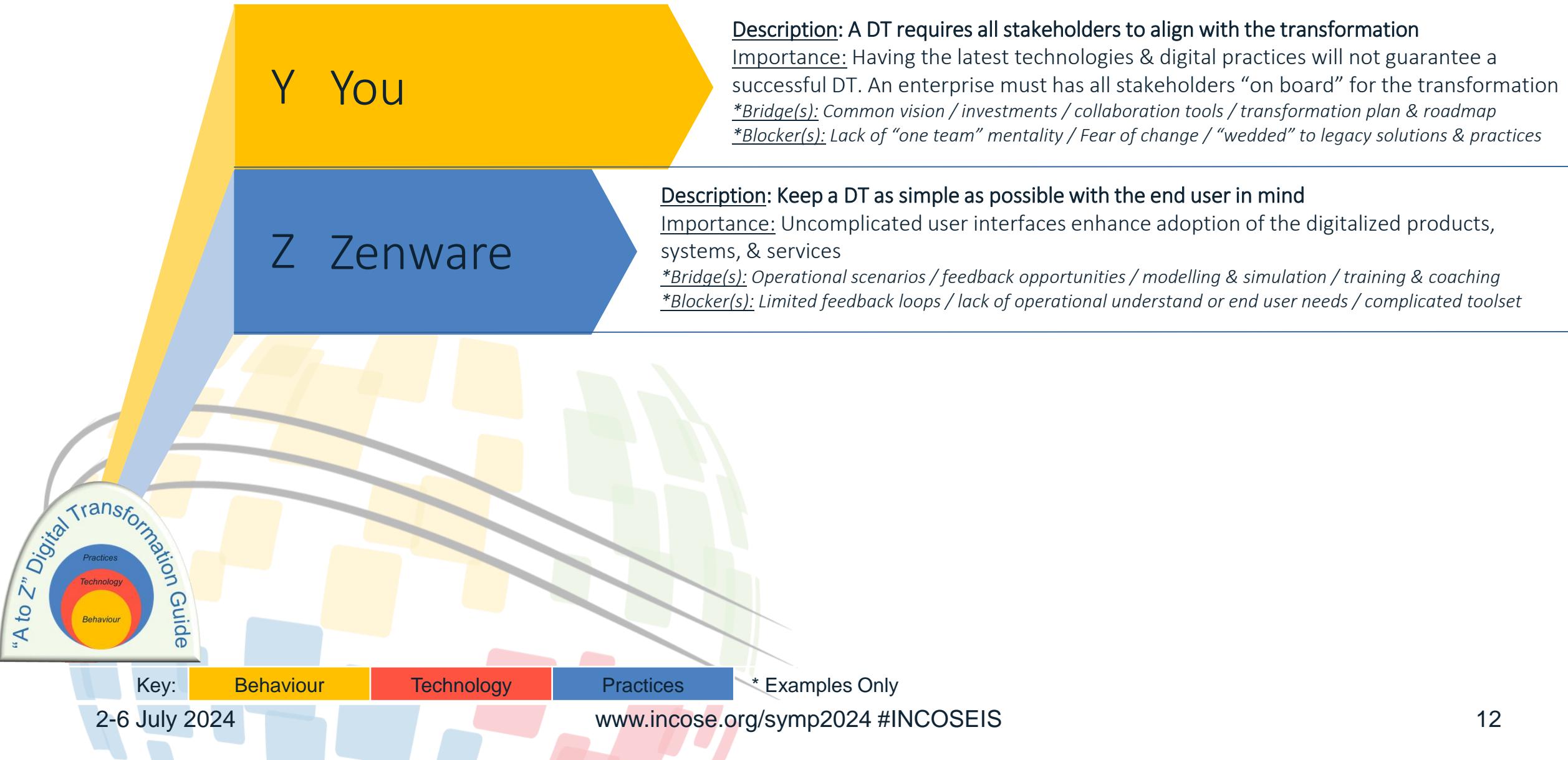
A to Z Digital Transformation (DT) Guide (5/7)



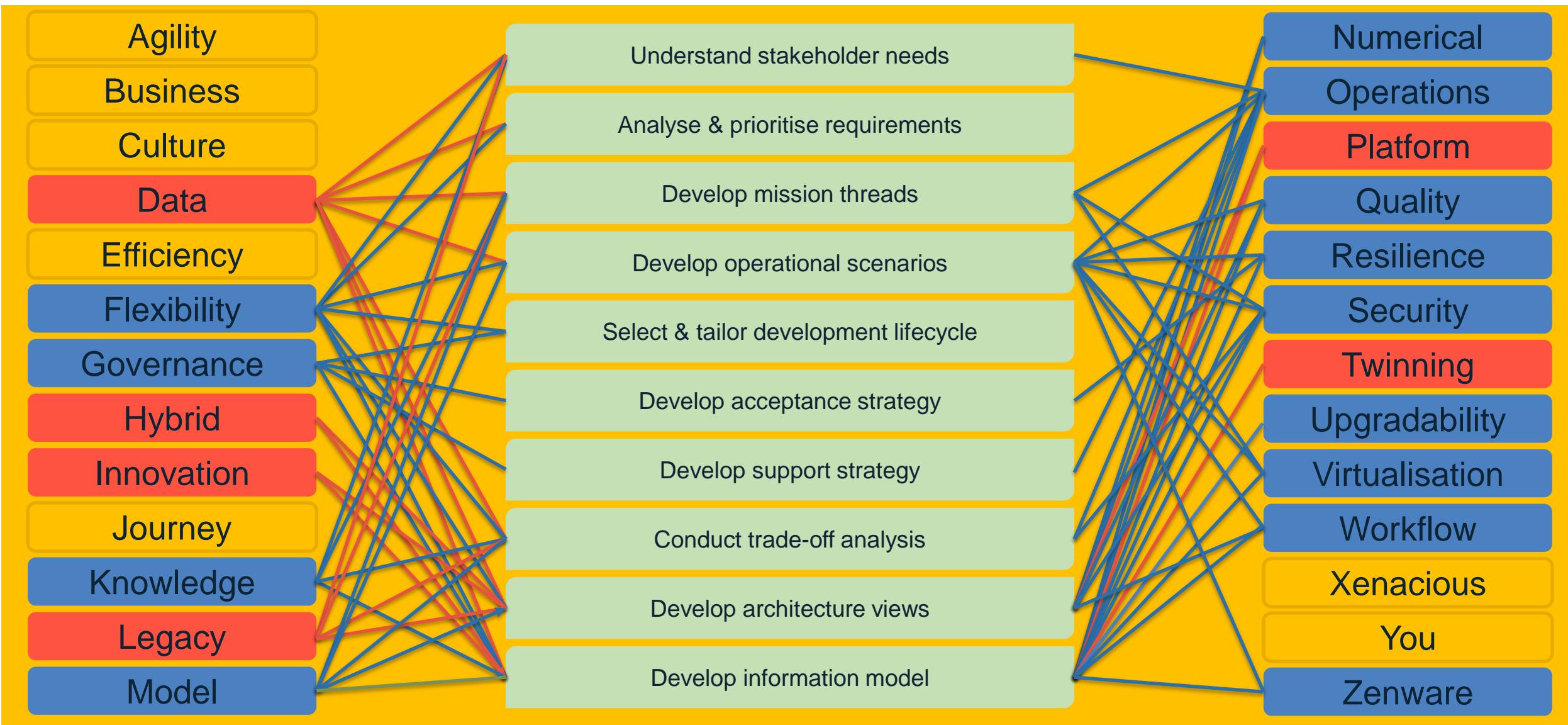
A to Z Digital Transformation (DT) Guide (6/7)



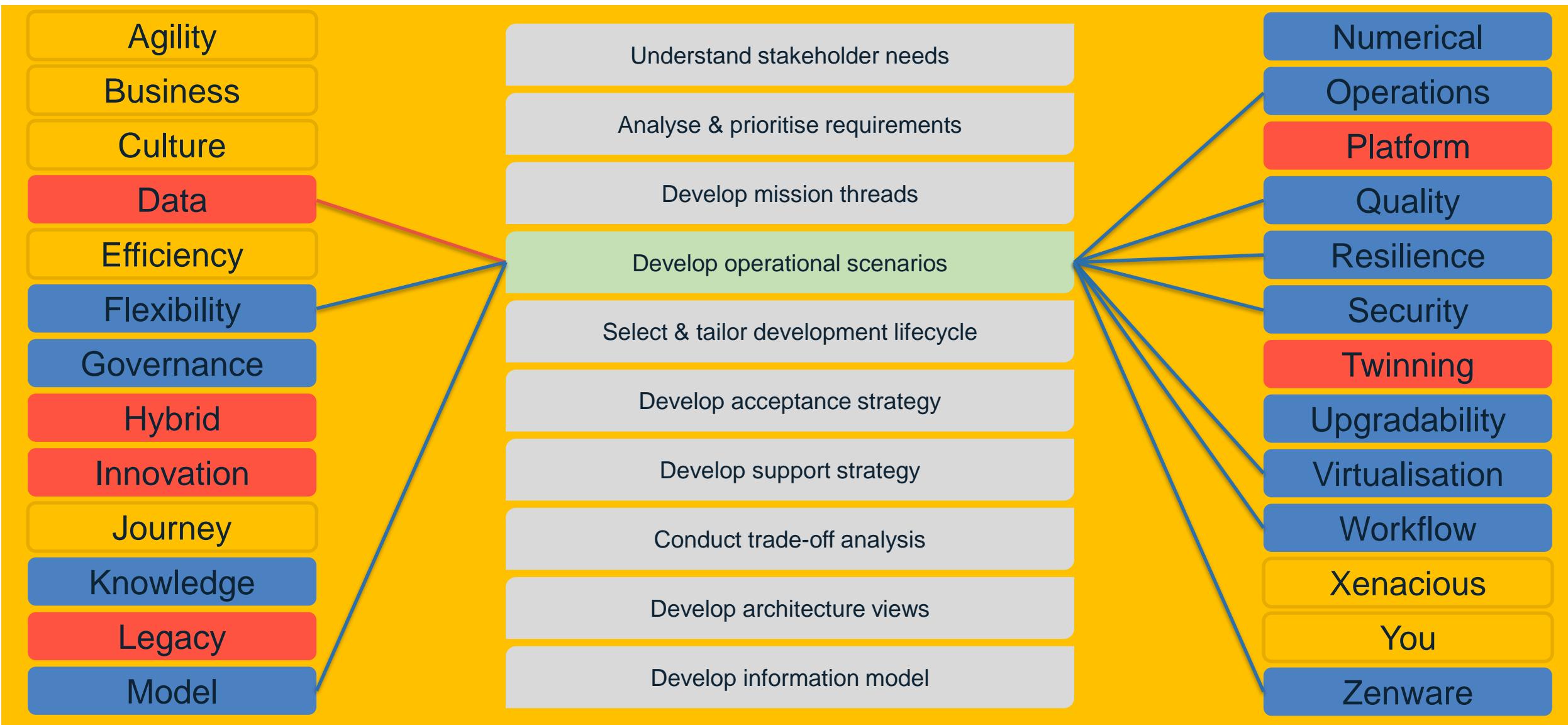
A to Z Digital Transformation (DT) Guide (7/7)



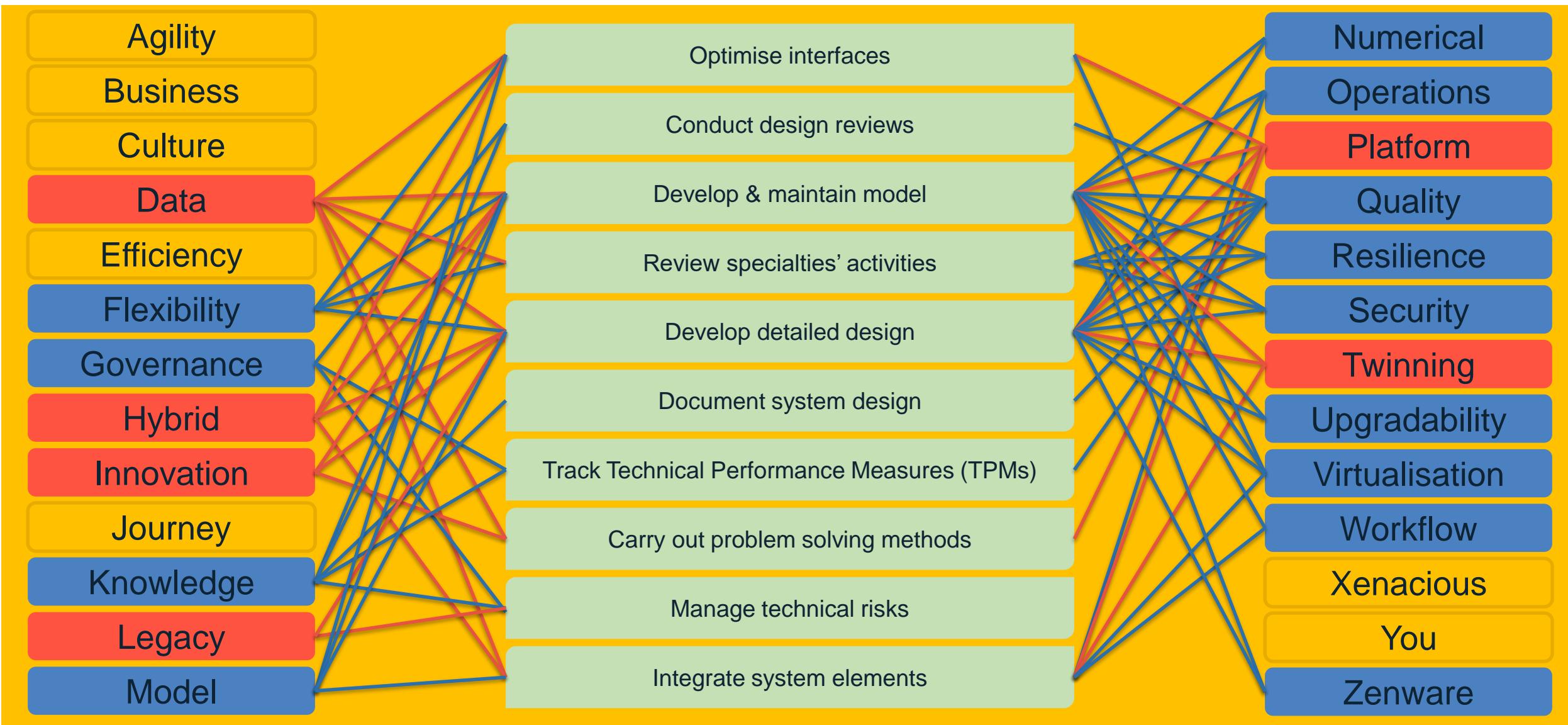
Mapping DT Guidance to Typical SE Practices (1/3)



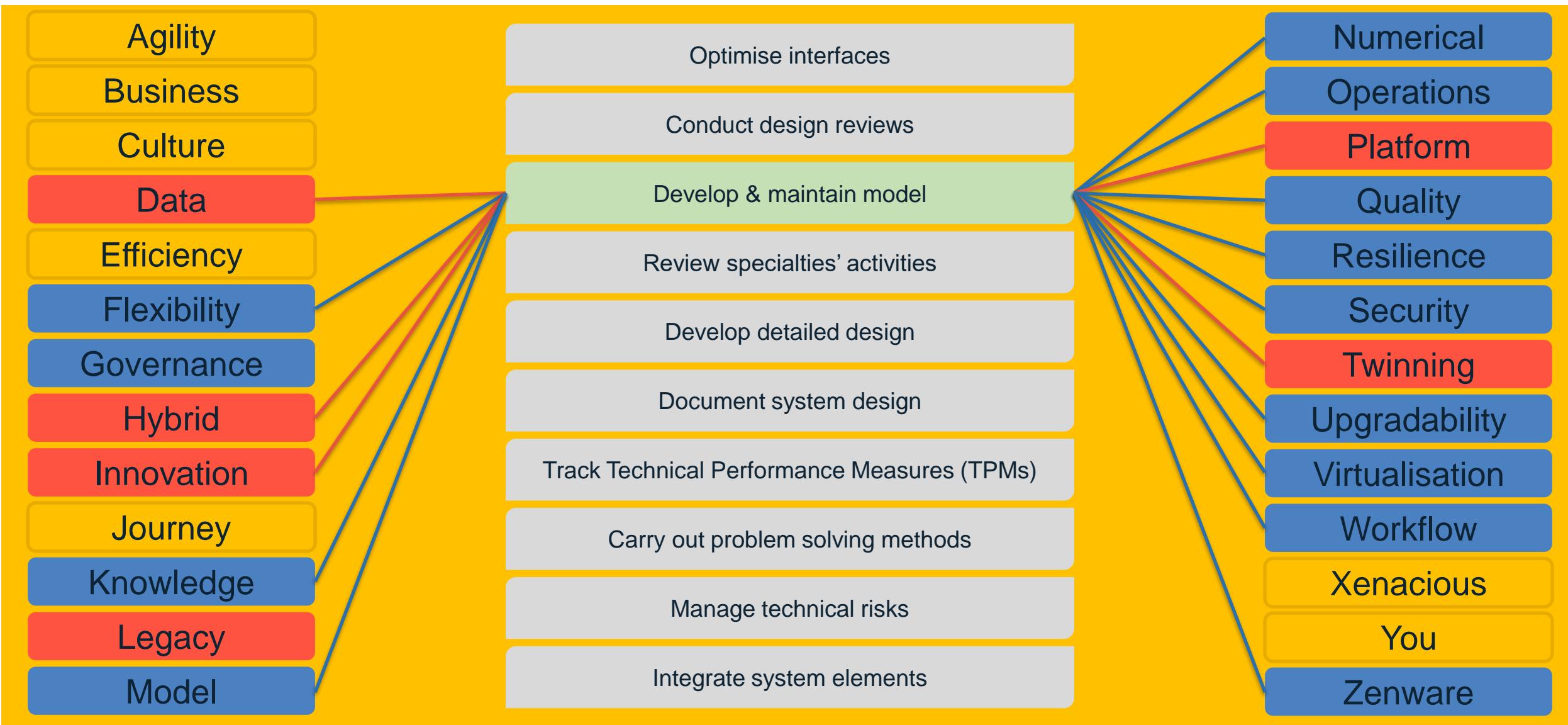
Example – Develop Operational Scenarios



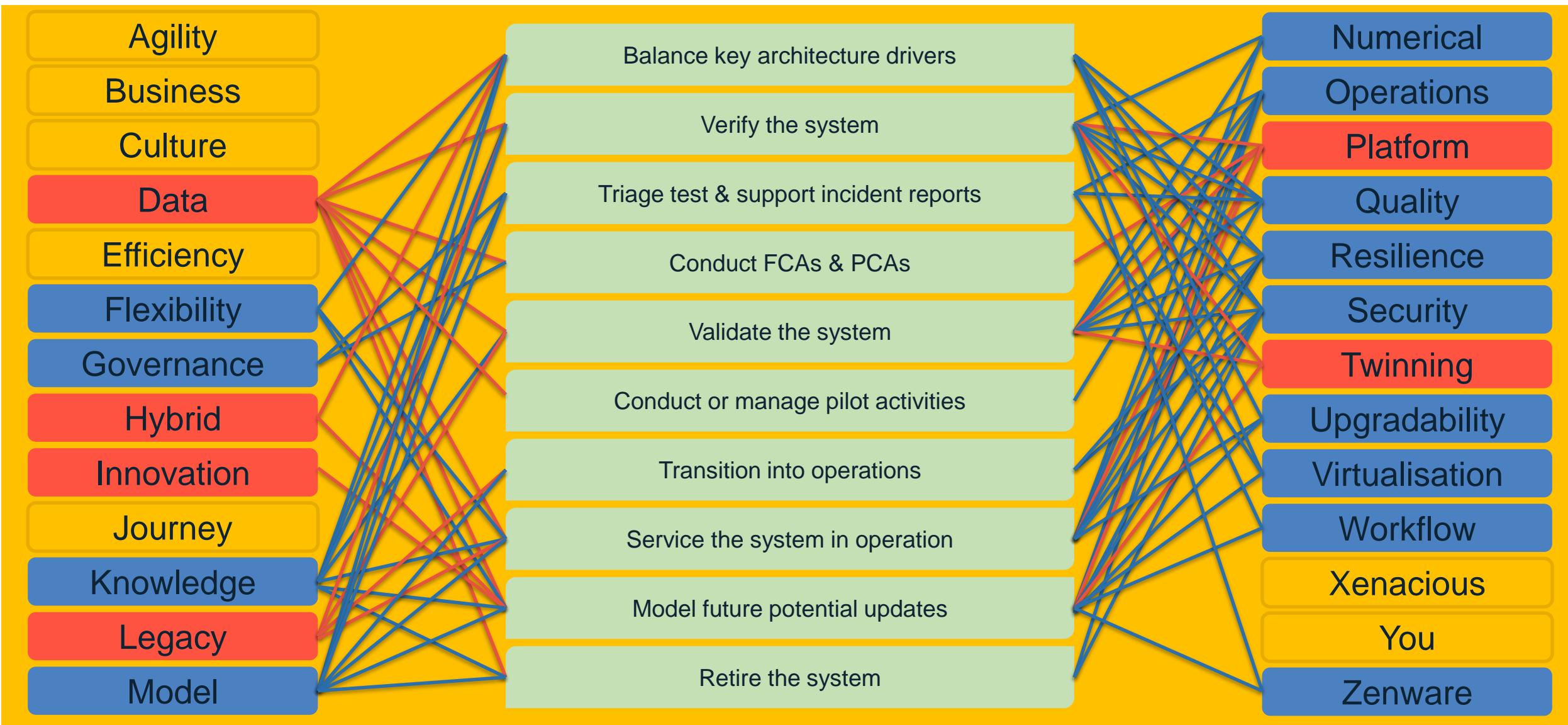
Mapping DT Guidance to Typical SE Practices (2/3)



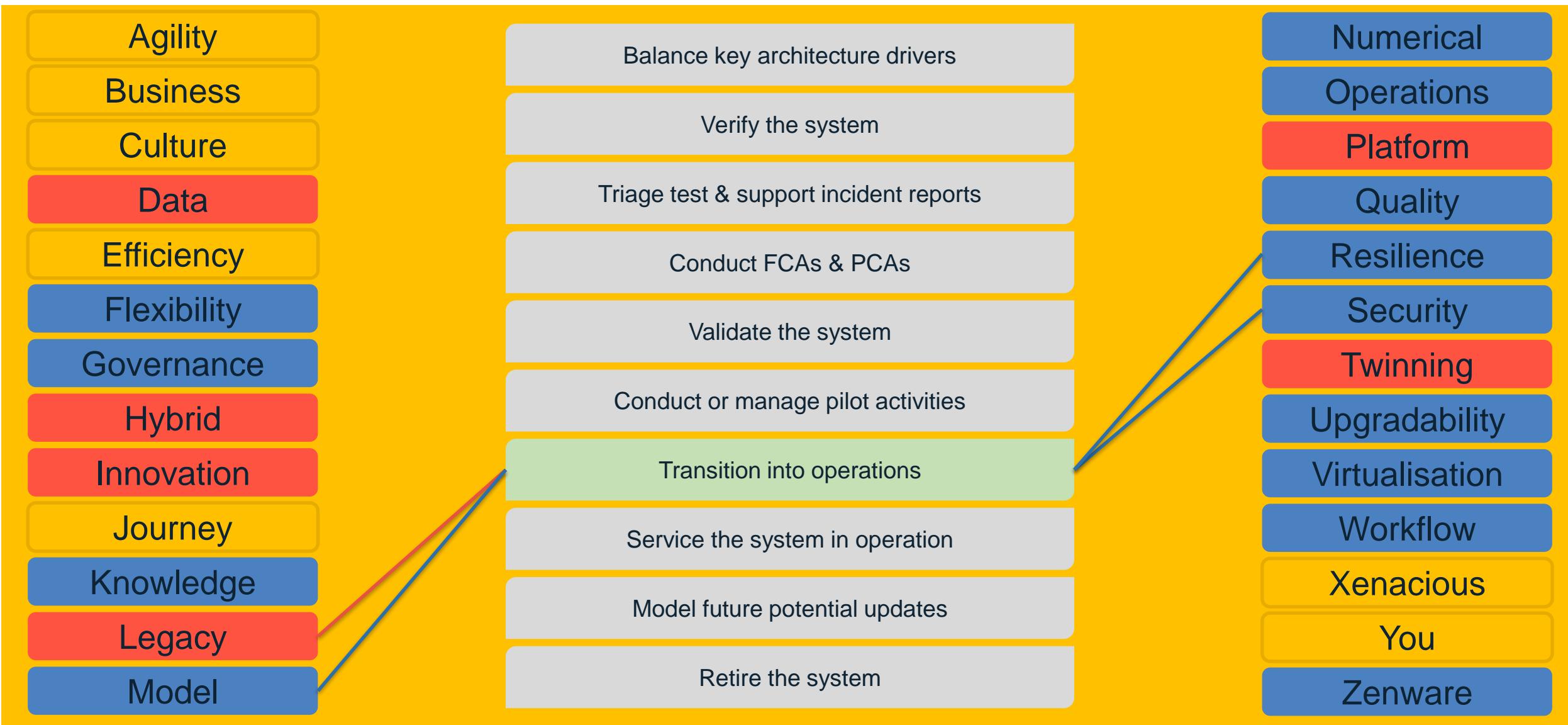
Example – Develop & Maintain Model



Mapping DT Guidance to Typical SE Practices (3/3)

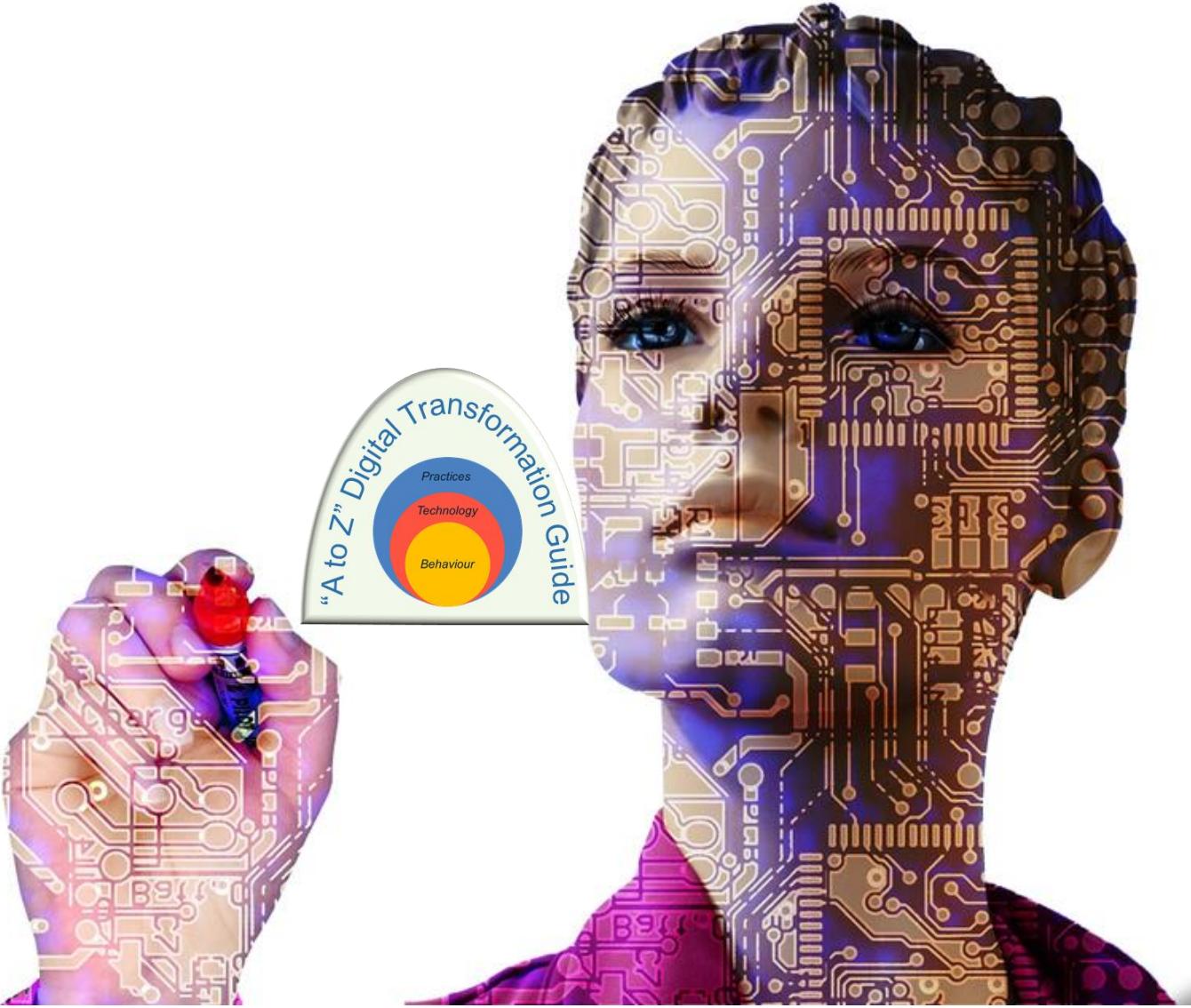


Example – Transition into Operations



Summary

- Strong digital culture
- Clear DT objectives
- Investment is necessary
- Identifying what needs to be digitalised → DT roadmap
 - Progressive DT recommended
 - Build on legacy
- Data is the asset
- Digital “upskilling” is necessary
- Digitalisation state > current state
 - Value creation!



Q&A Time



- Contacts
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