



Manufacturing Management- Digital Supply Chain

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Creating Lean, Agile and Demand Driven Supply Chain

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Supply-chain user story-Challenges



to maintain

High product availability with a

Low Inventory in a

Volatile demand scenario

A dark, atmospheric photograph of an industrial factory interior, showing complex machinery, metal structures, and overhead cranes. The lighting is dim, with some yellow safety lights visible.

Key challenges

Voice of customers

1

Industry connect

2

Visibility & client awareness

3

Pricing

A dark, atmospheric photograph of an industrial factory interior, showing complex machinery, pipes, and structural elements. The lighting is dim, with some highlights on the machinery.

Management vision

Parameters

1

Process

Robust tech-enabled processes

2

Performance

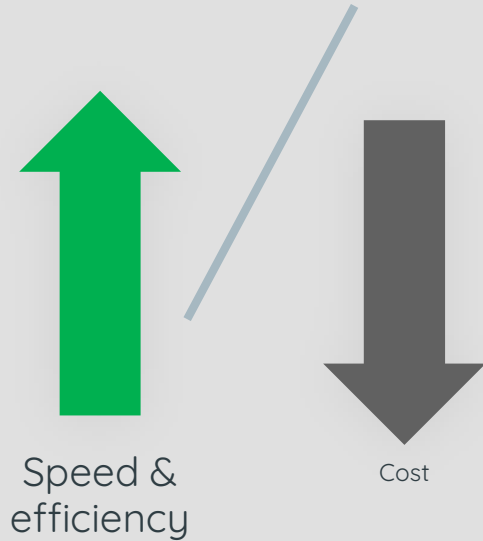
KPI metrics & analysis

3

Profits

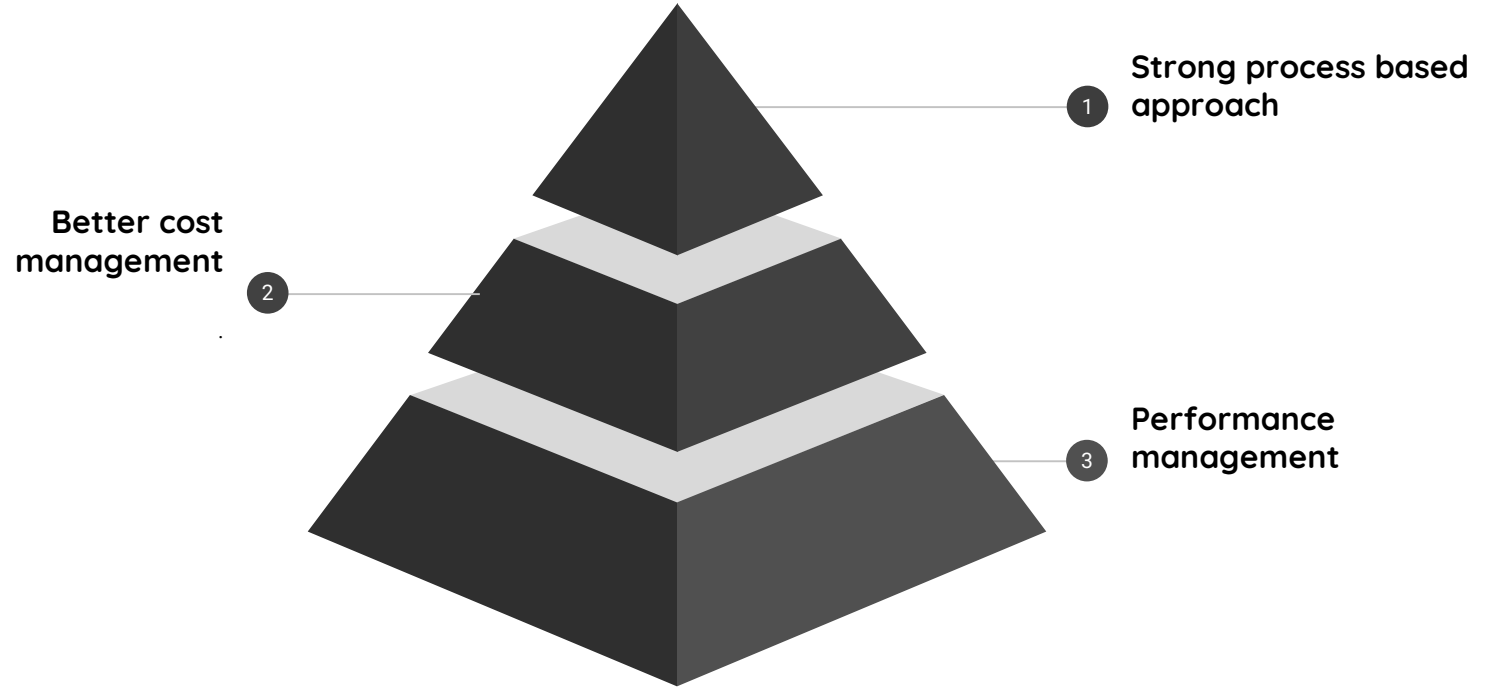
Cost optimisation & improved bottom line

Supply chain transformation

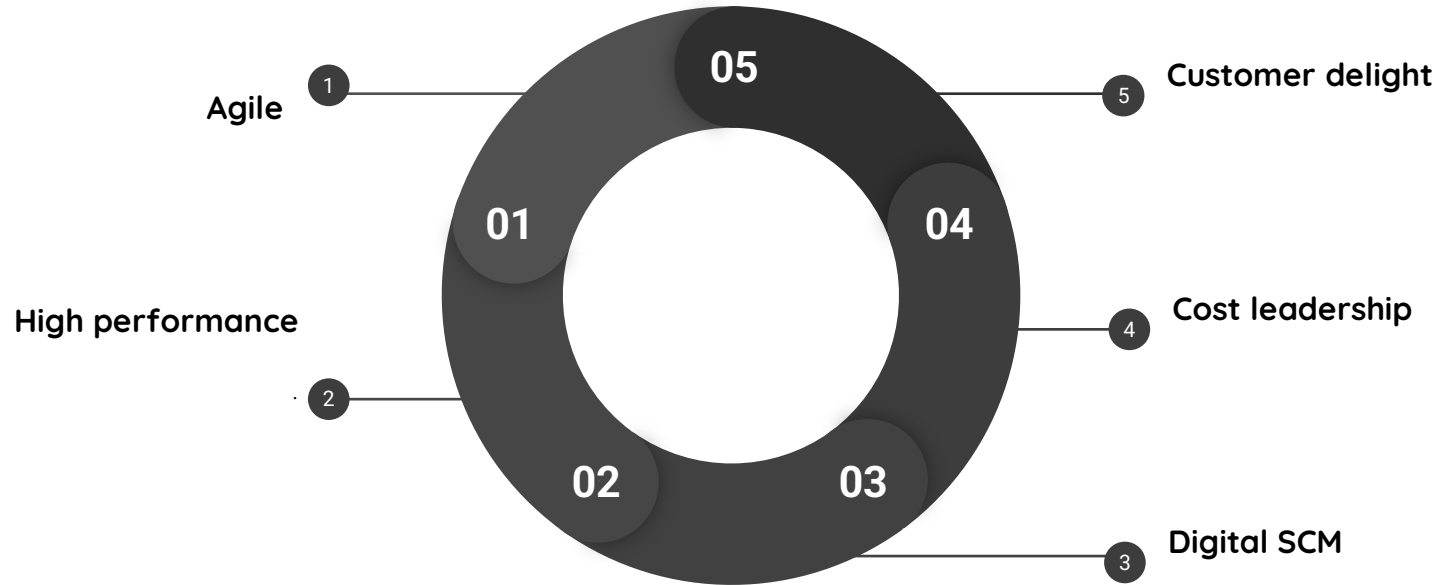


- Supply chain management involves **optimizing the operations / resources to maximize both speed and efficiency.**
- Speed is important because customers value **low delivery times.**
- Increasing speed, however, can cause costs to skyrocket, thus **maximising efficiency** becomes imperative.

Strategic direction



Goal alignment



Manufacturing Engineering

Challenging engineering implications to balance



Expectation



Regulation



Differentiation



Production



Profitability



Quality



Cost

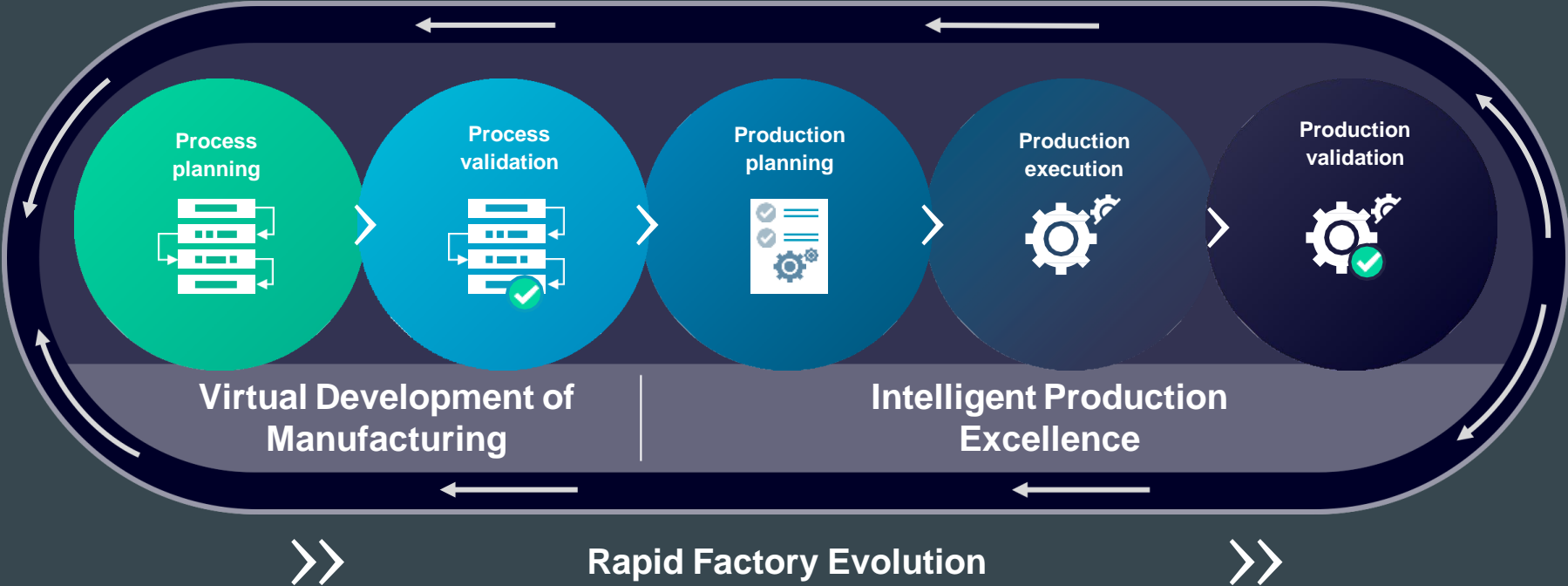


Time-to-market

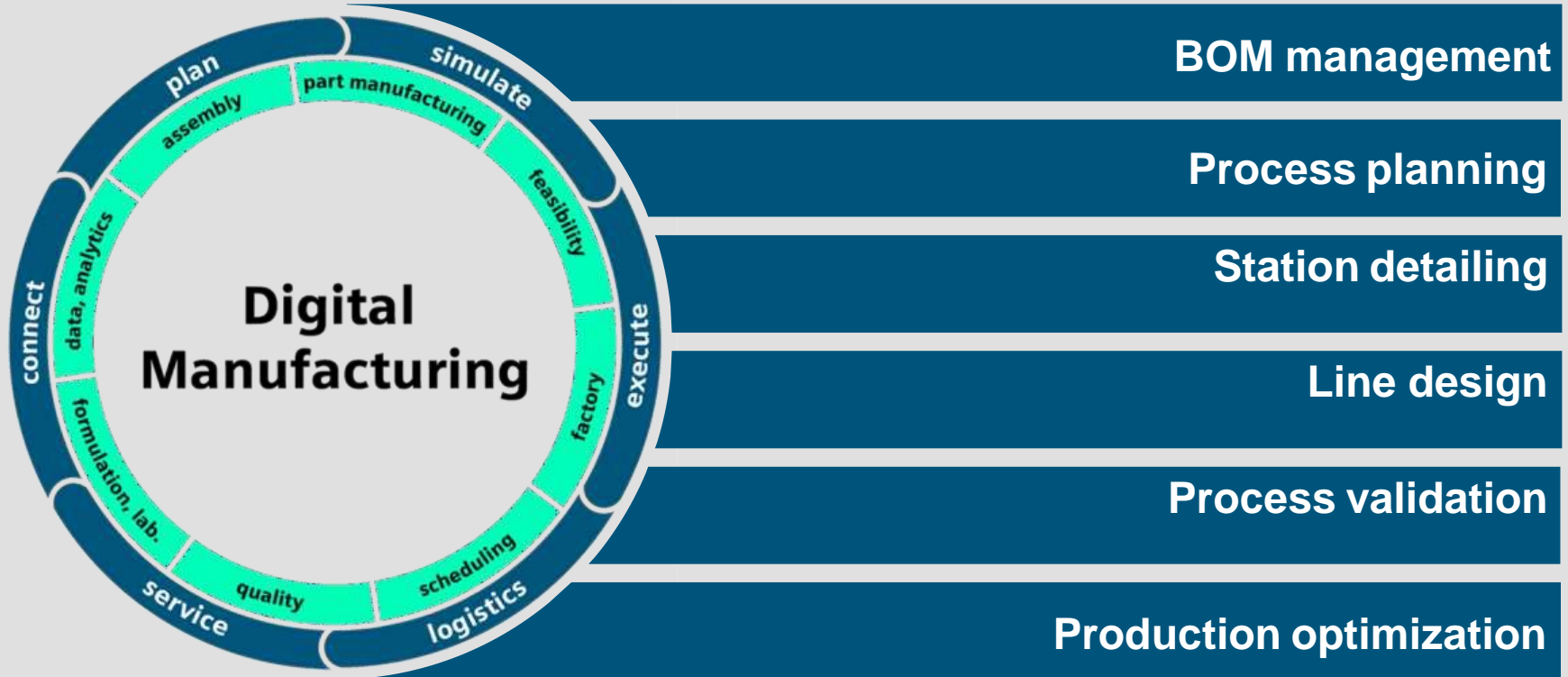
Driving the Digital Enterprise, Turning data into value – Reduce risk, cost and time-to-market.

Smart Manufacturing

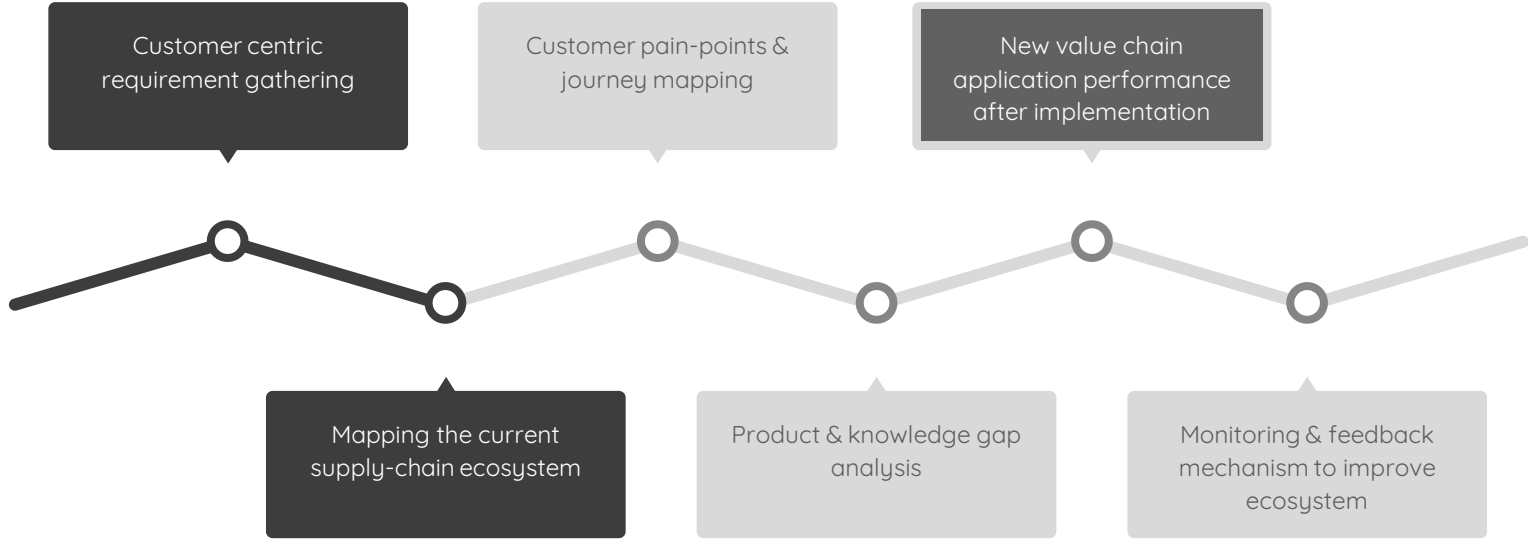
Solution scope



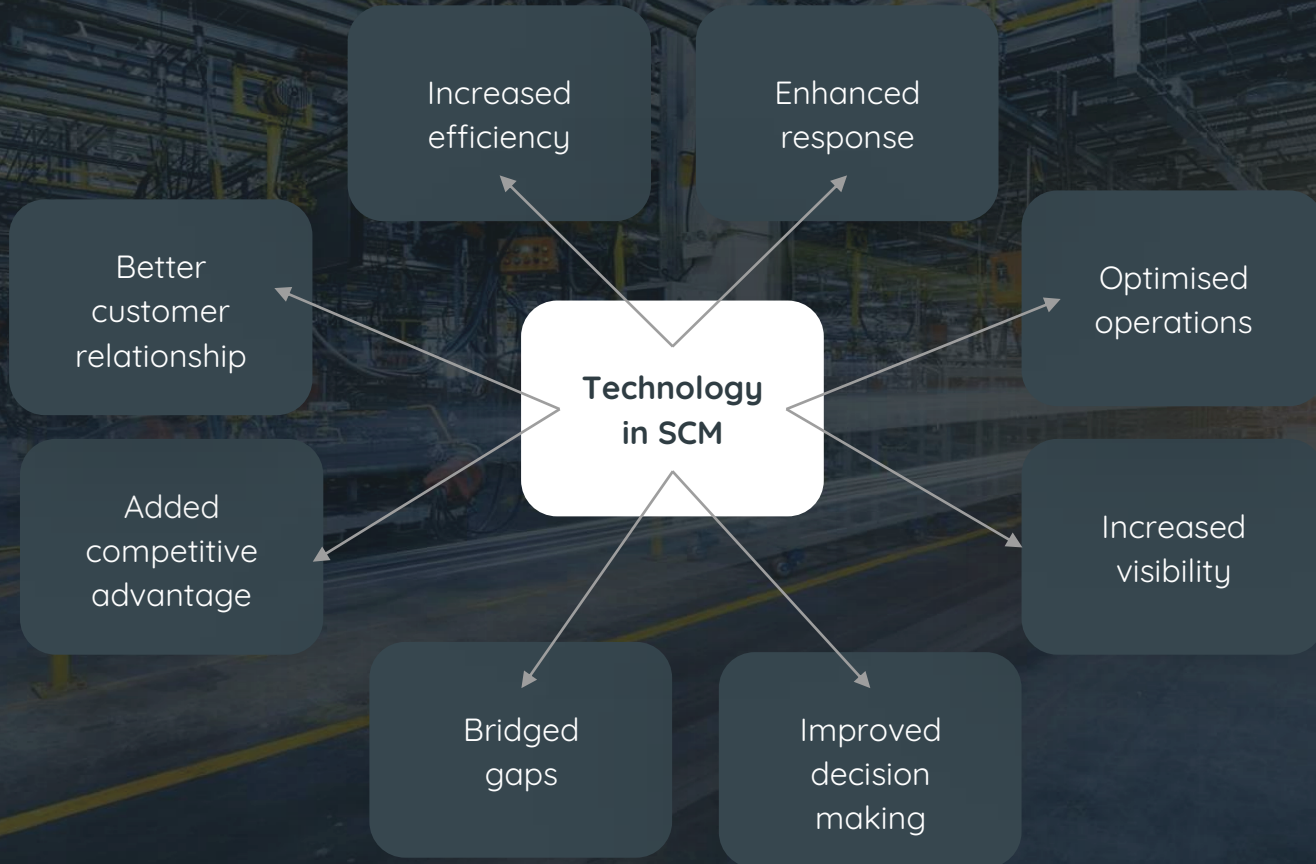
Integrated general assembly solution



Digital roadmap



Digital SCM key benefits

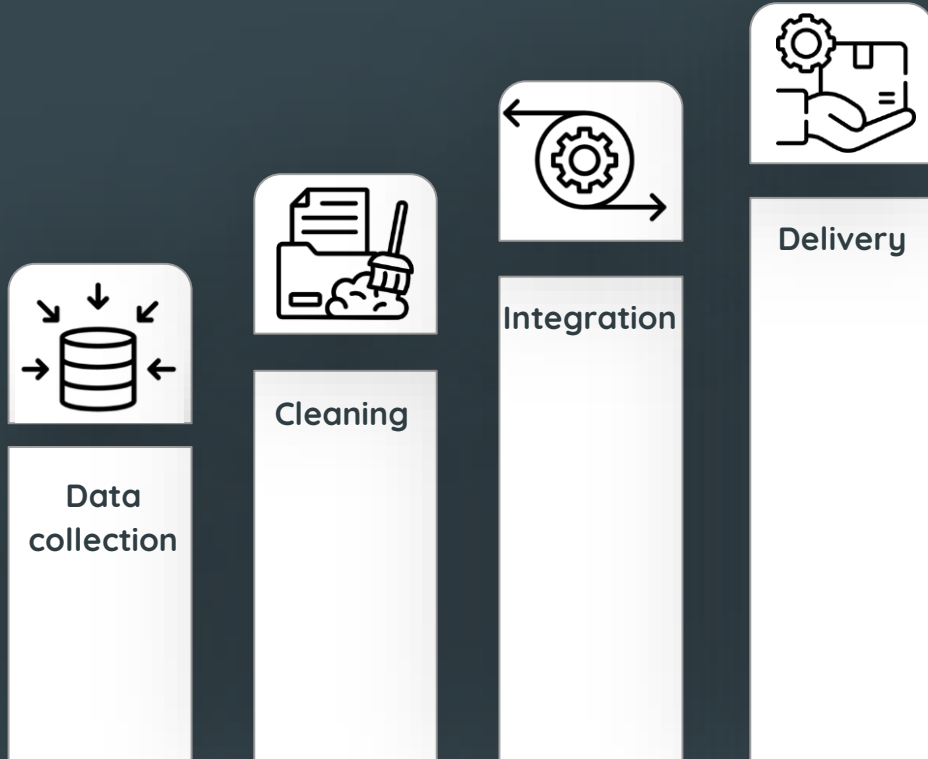


Supply chain 4.0 approach



ERP system integration with SaaS products to improve the supply chain velocity

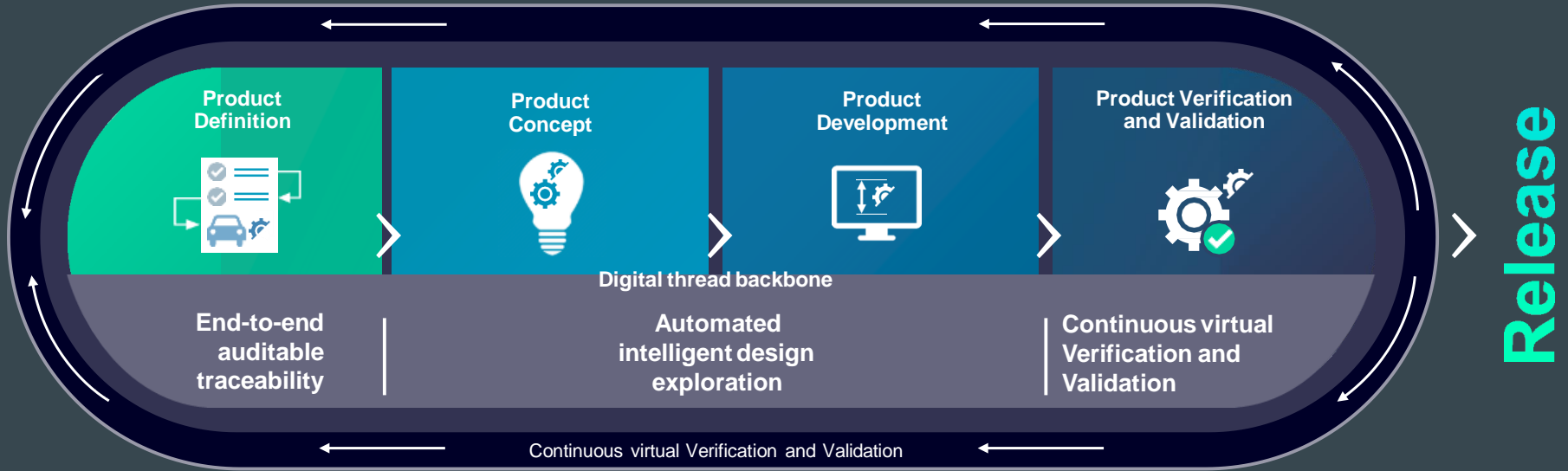
Program management for faster market reach



Product Development Cycle



Accelerated Product Development-approach

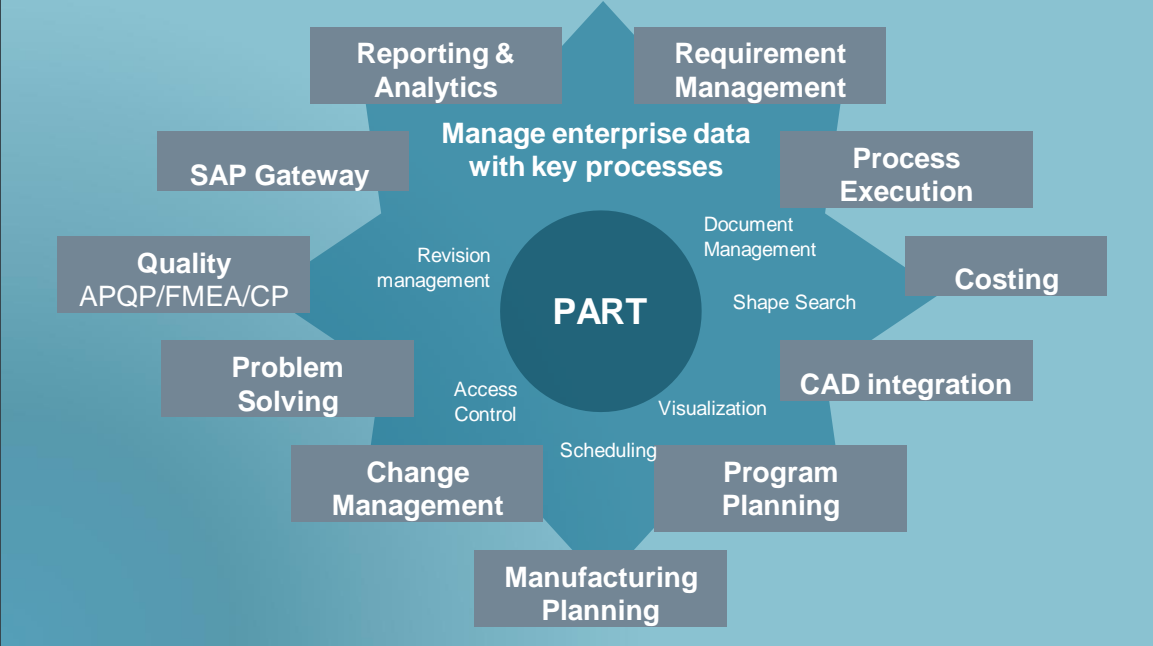


Transition to a digital enterprise may help answer many of the questions.

Accelerated Product Development

How to drive efficiency & enhanced visibility into business processes across organization ?

One system for engineering and manufacturing to improve quality, increase productivity, and decrease costs

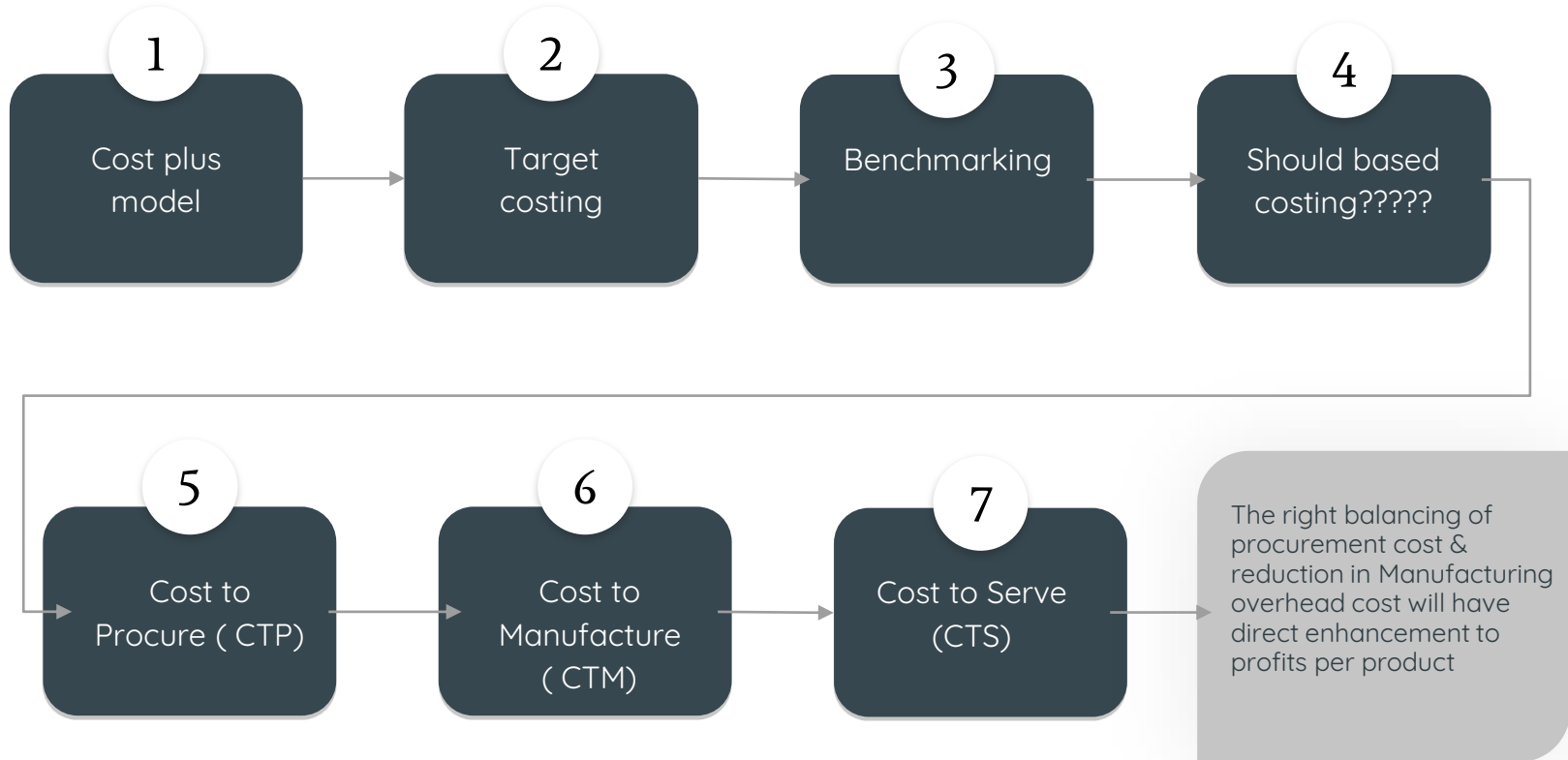


Flexibility - WHAT you need, WHEN you need it and paying JUST for that



**Break the barriers of
innovation and collaboration**

Cost management



Implementation Approach

Sales & Operations Supply Chain

- e sourcing
- ERP
- TMS
- WMS
- AI & ML

- Kaizen
- Gemba
- TQBM
- DM
- PM
- SPC
- 5S

Project Set-Up and Solution Design

Mobilization of Resources

Communication Protocol

Change Management and Escalation procedures

Documenting all process work flow to capture all requirements for systems, people and processes

Operations Preparation and Planning

Documenting Standard Operating Procedure for daily Operations

Planning operations and process transition

Review of material availability, material in transit, business demand, and lead times of replenishment

System Configuration and Testing

Integrated process across sub divisions of the logistics function

System Configuration requirement mapping

System configuration

System testing

User Acceptance Test

Roll-Out, Go-Live and Stabilisation

Phased approach to minimize impact to operations and realize cost and service benefits from process standardization early in implementation

Stabilization period at each deployment

Controlled change management

Thank you

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