SIEMENS
Ingenuity for life

Andy Hodgson | Siemens UK

Britain‘s 4th Industrial (R)evolution

Vision to Reality


Digitalisation
changes
everything

Our customers have essential requirements – throughout the manufacturing industry

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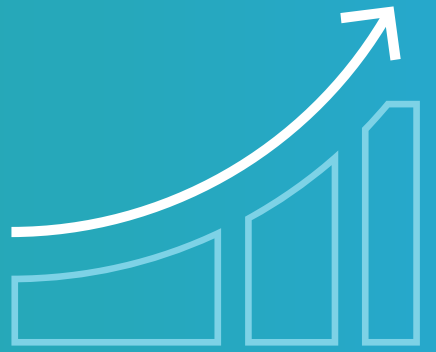
Speed

Flexibility

Quality

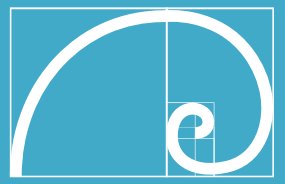
Efficiency



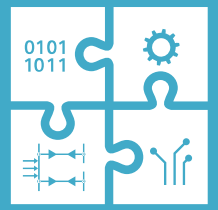
Security

Technological forces transforming industry

Changing the way products come to life

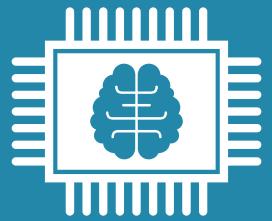


Generative design



Intelligent models

Changing the way products are realized

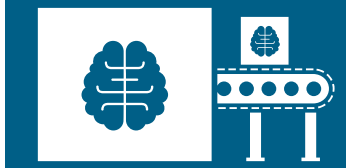


Intelligent automation

Additive manufacturing

Changing the way products evolve

Cloud ecosystems



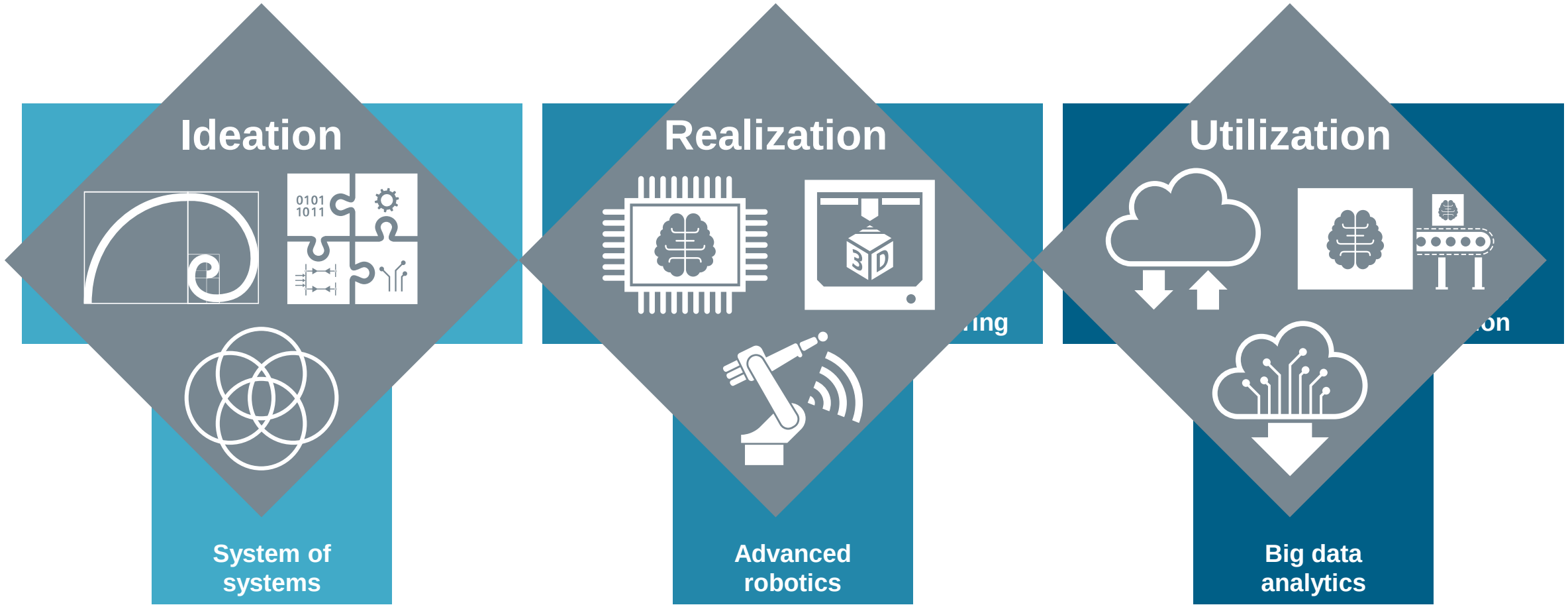
Knowledge automation

System of systems

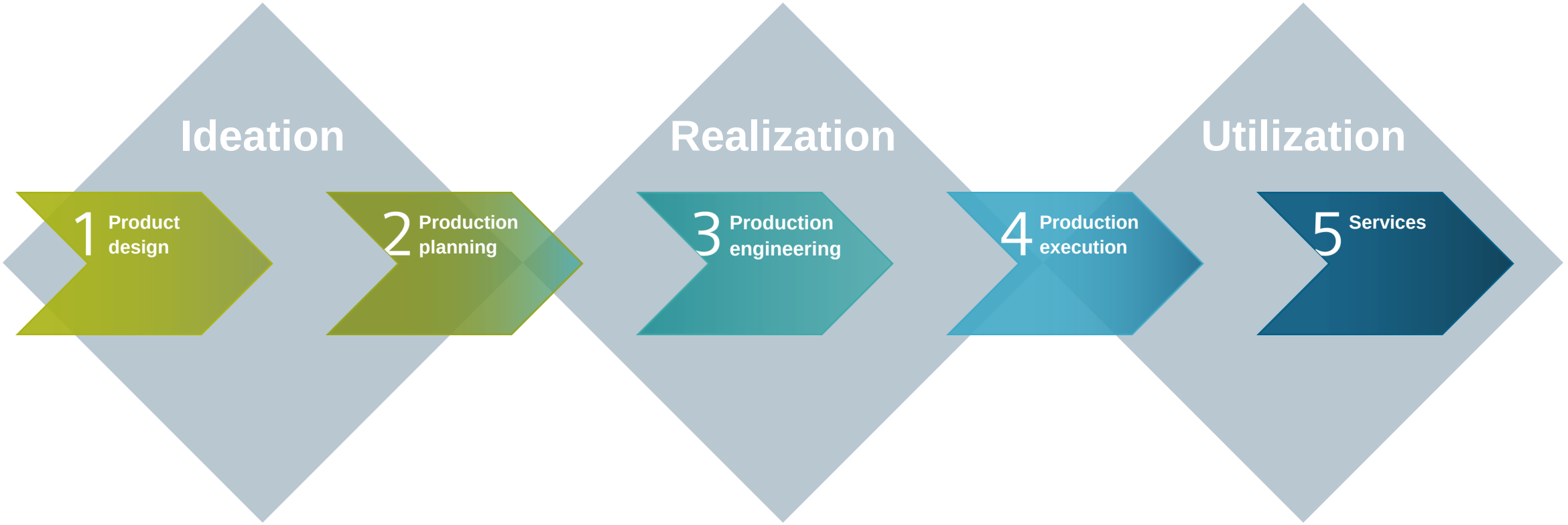
Advanced robotics

Big data analytics

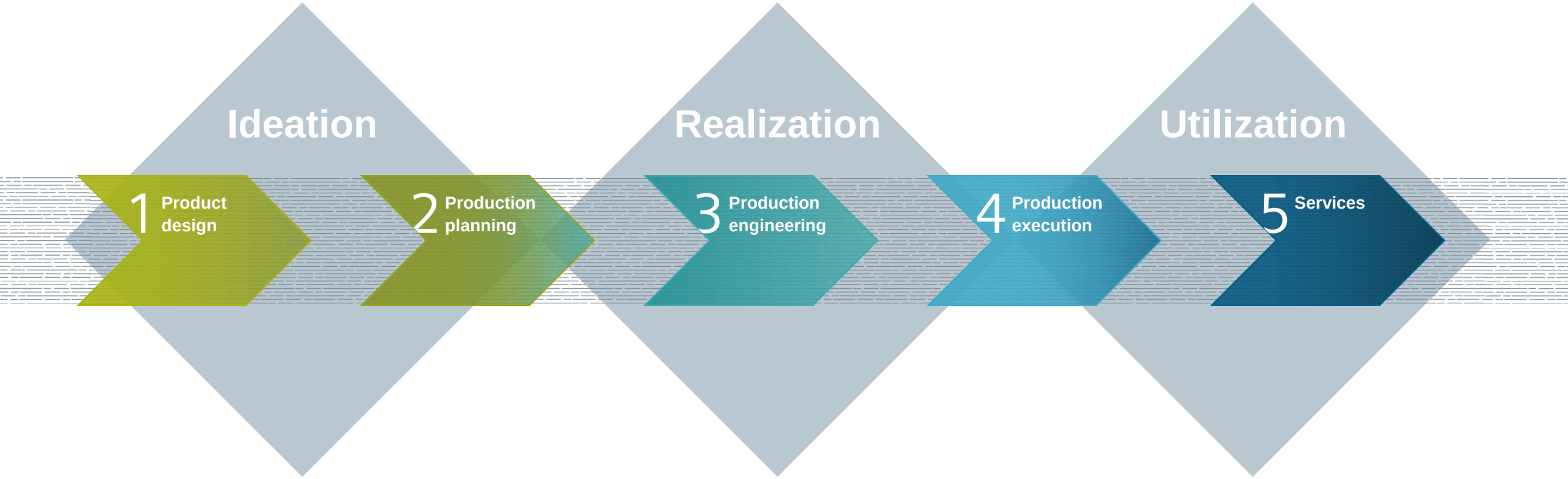
Manufacturers must embrace the technologies and transform their business into a digital enterprise



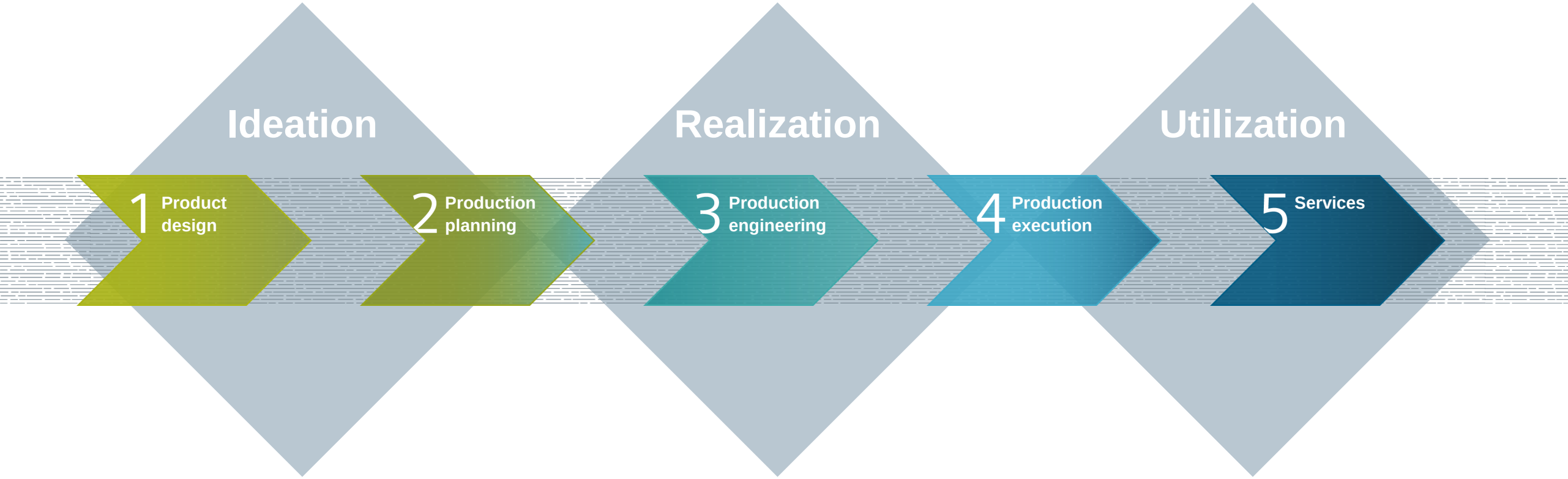
Applied across the entire value chain



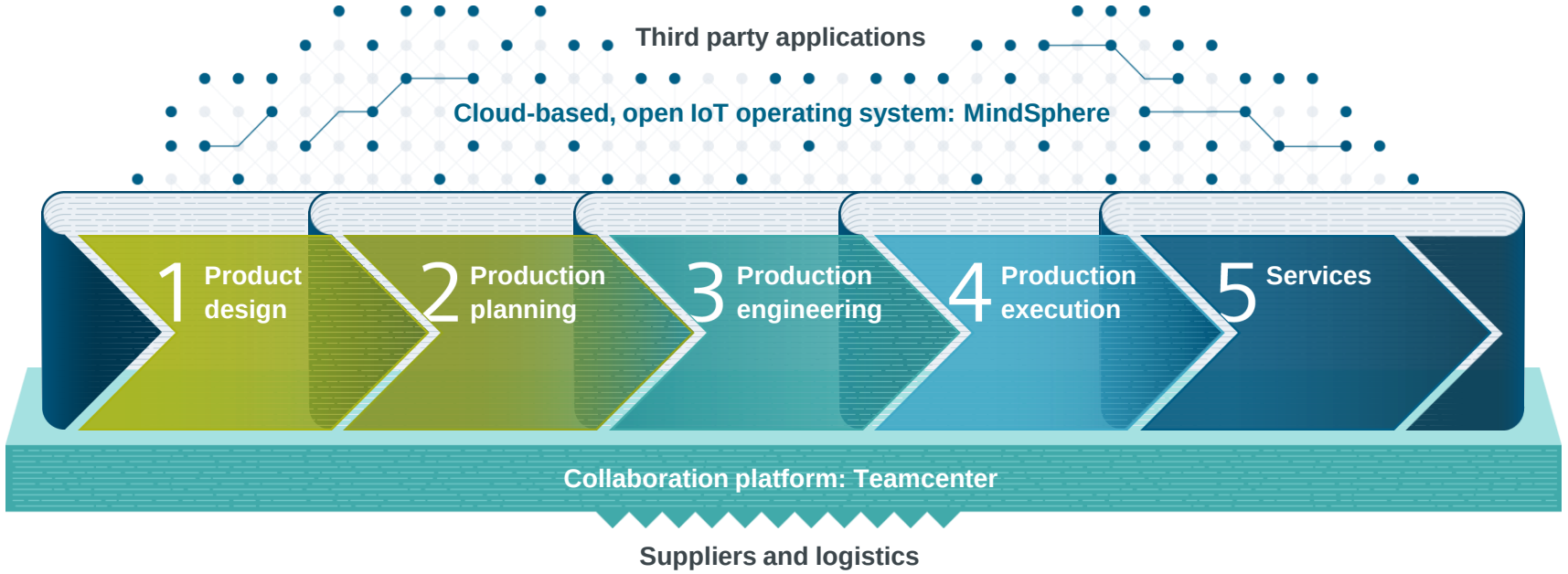
A common digital thread enables continuous business transformation



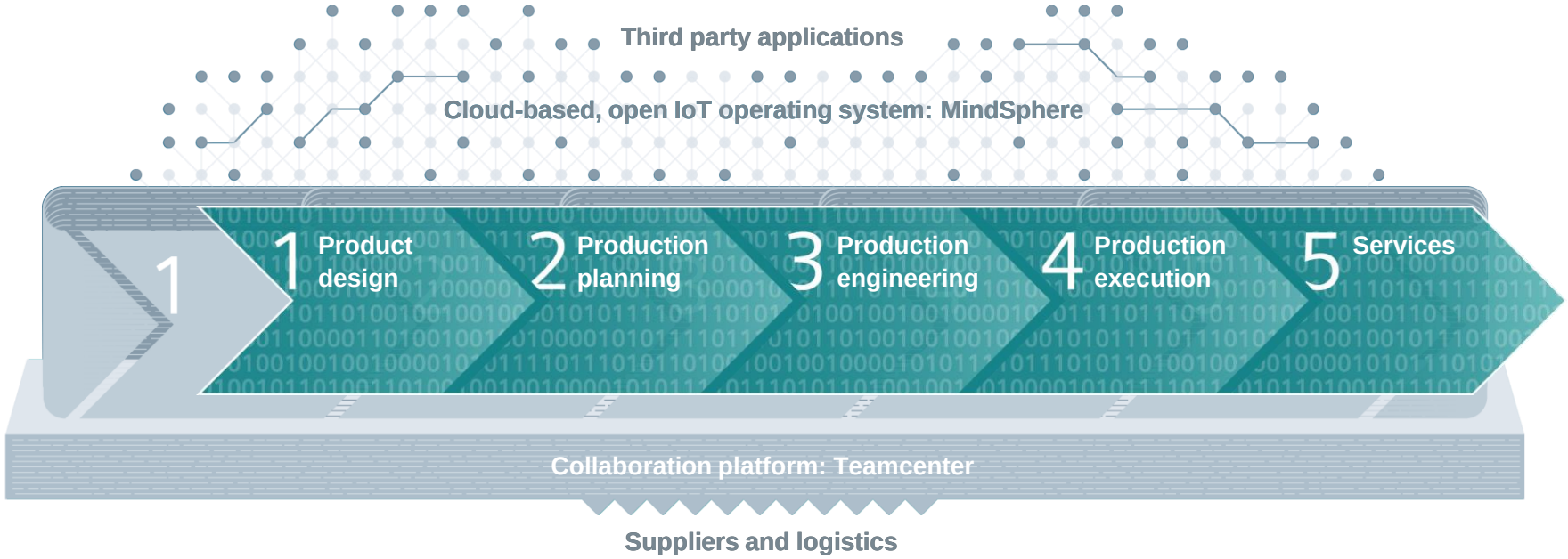
By compressing the innovation lifecycle



Analyze assets as they perform with MindSphere and feed back insights to continuously optimize the value chain

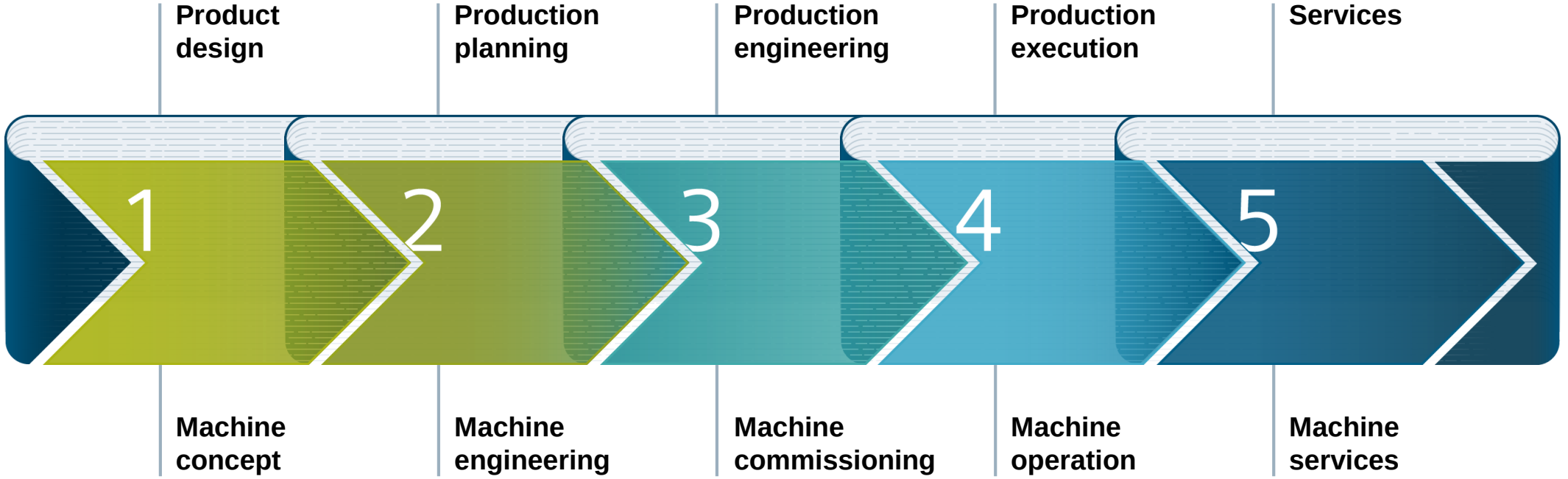


Create a powerful Digital Twin of the entire value chain



Our holistic approach
Specific for product manufacturers and machine builders

Product manufacturer perspective



Machine builder perspective

MindSphere – the cloud-based, open operating system for the Internet of Things from Siemens

MindApps

Asset transparency and analytical insights into machines, plants, fleets and systems

MindSphere

Various cloud infrastructures: Public, private or on-premise

MindConnect

Secure plug and play connection of Siemens and third-party products

MindSphere and MindApps to increase business value for equipment suppliers and operators

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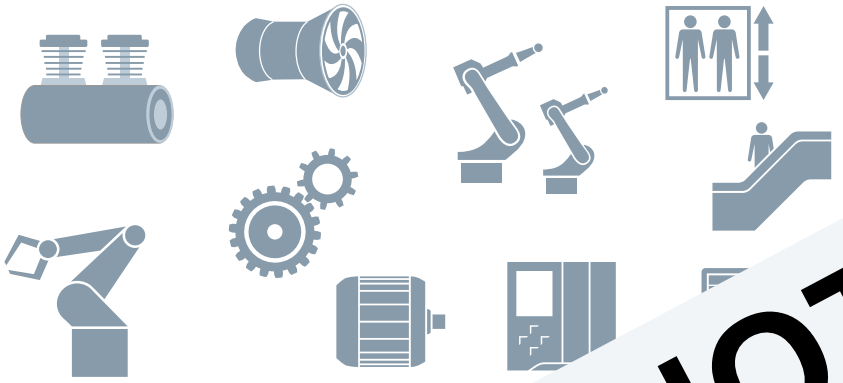
Equipment supplier



Bus

- **Increase servic** **ity expenses**
  - Visuali- wide
  - alarming
- **ices and new business models**
  - ability guarantees
- **ce products via feedback loop to R&D**
  - Use operational data to verify and optimize simulation & engineering

Equipment operator

- **Increase uptime / asset availability**
  - Predict failures to run in-time maintenance and reduce / prevent unplanned downtime of machines
- **Optimize assets**
  - Identify optimal configuration for your equipment to reduce energy consumption, peak loads, etc.
- **Increase maintenance efficiency**
  - Prolong maintenance cycles over product lifetime

The Why NOT the How

When?

The future is already here – it's just not evenly spread

"William Ford Gibson"

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Thank you