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# Driving the Digital Enterprise for discrete industries

Hakan Mavruk, 06.07.2017

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# Digitalization changes everything

**The next trillion dollars will be earned with data – for our customers and for our industries.**

*Michael Dell, founder of Dell Inc.*

**Digital is the main reason just over half of the companies on the Fortune 500 have disappeared since the year 2000.**

*Pierre Nanterme, CEO Accenture*

# Our customers have essential requirements – throughout the manufacturing industry

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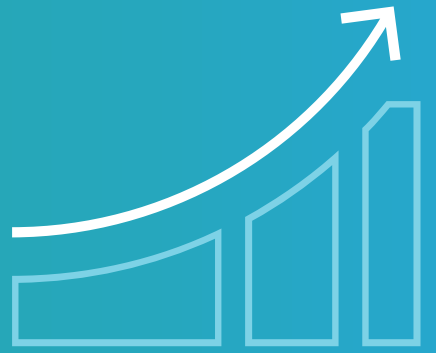
Speed

Flexibility

Quality

Efficiency



Security

# Digital Enterprise is our portfolio of solutions for the digital transformation – in both discrete and process industries

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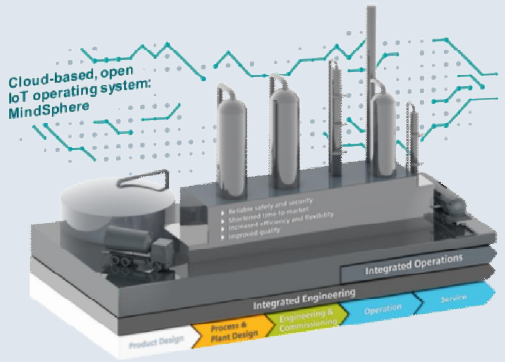
## Digital Enterprise

### Process Industries

Product design → Process and plant design → Engineering → Operation → Services

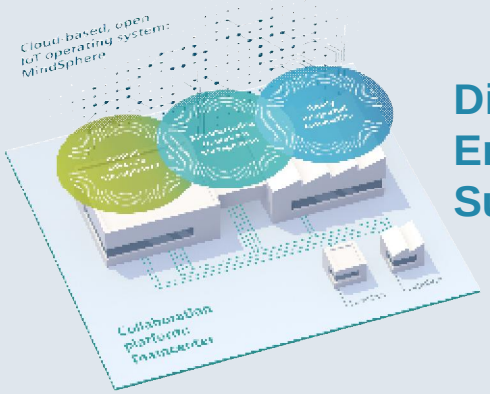
**Industrial Software and Automation for process industries**




### Discrete Industries

Product design → Production planning → Production engineering → Production execution → Services

**Industrial Software and Automation for discrete industries**




**Digital Enterprise Suite**

### Industrial Communication

### Industrial Security

### Industrial Services

# Technological forces transforming industry

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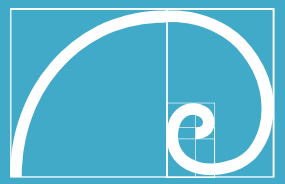
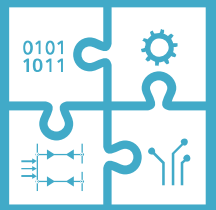
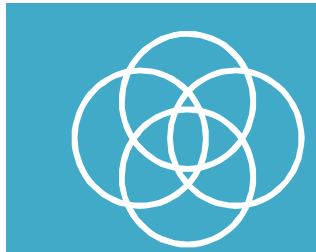
## Changing the way products come to life



Generative design

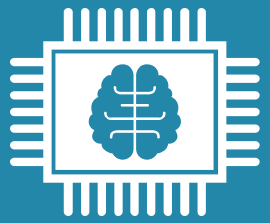



Intelligent models



System of systems

## Changing the way products are realized



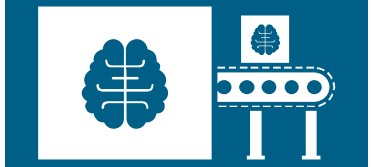
Intelligent automation

Additive manufacturing

Advanced robotics

## Changing the way products evolve

Cloud ecosystems



Knowledge automation

Big data analytics

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

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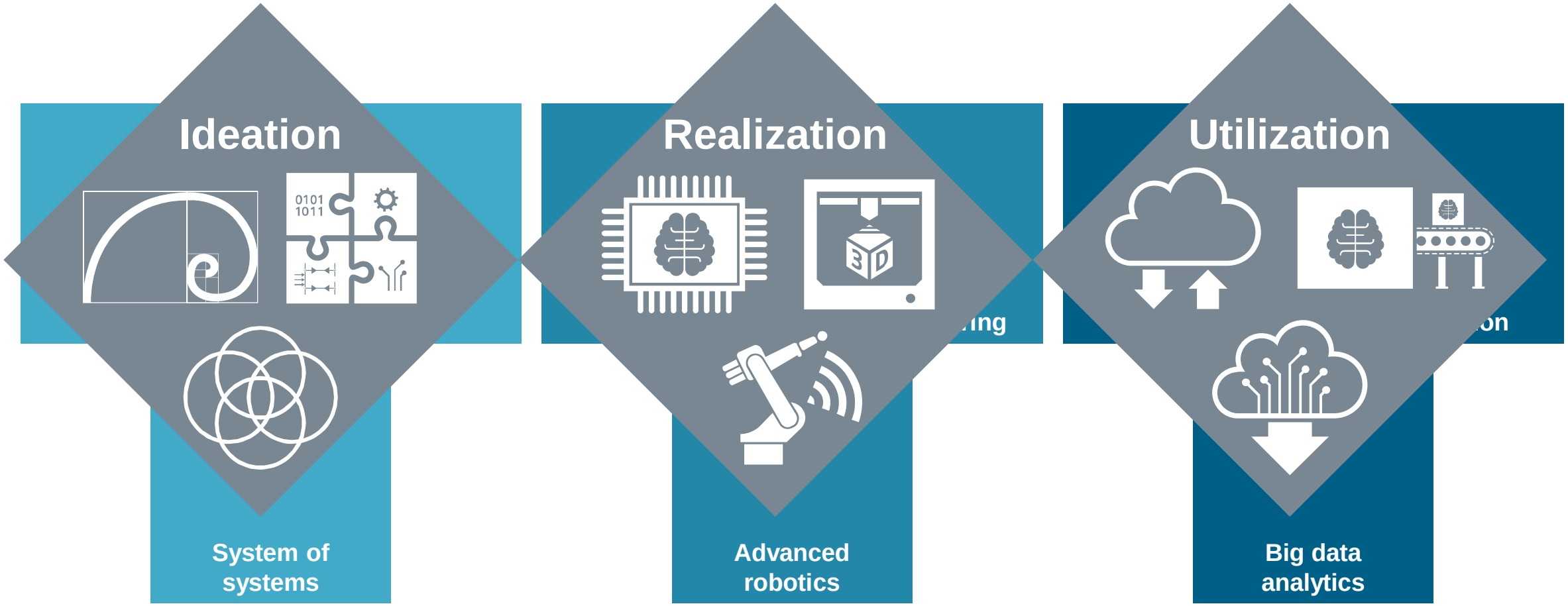

# Applied across the entire value chain

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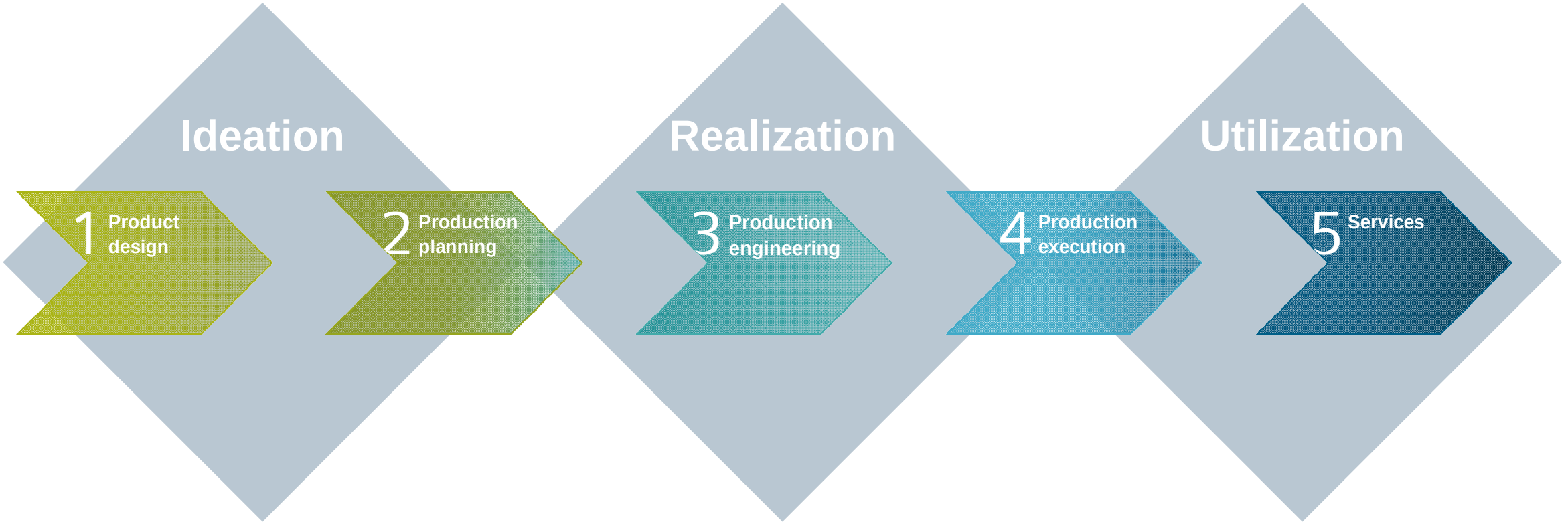

# A common digital thread enables continuous business transformation

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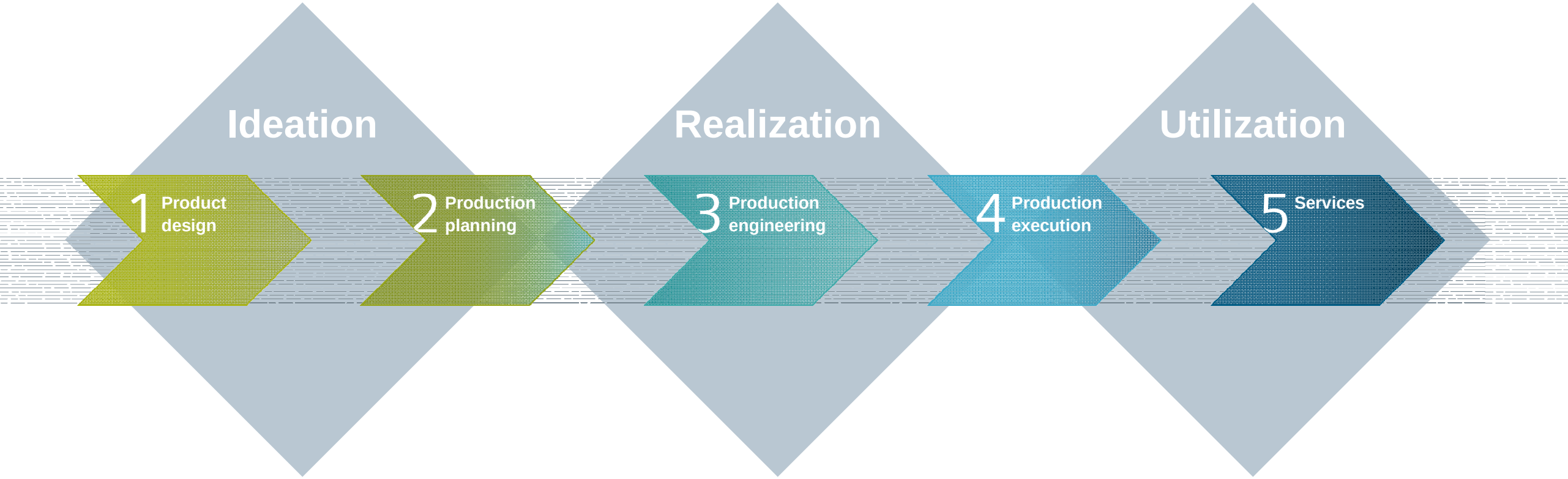

# By compressing the innovation lifecycle

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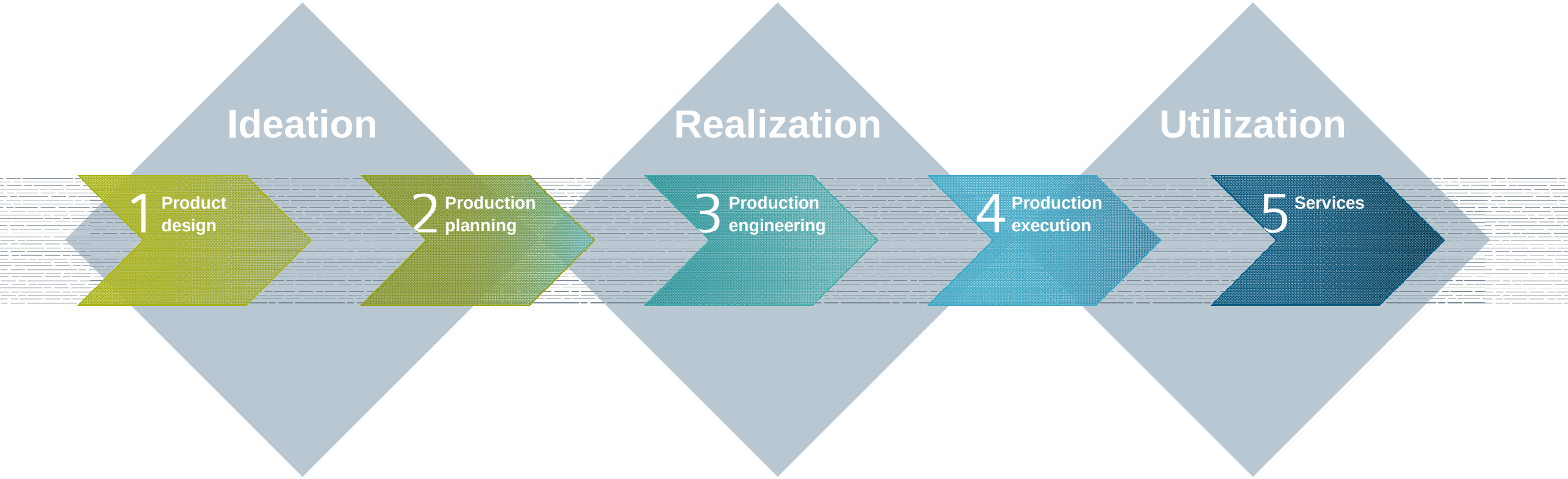

# Analyze assets as they perform with MindSphere and feed back insights to continuously optimize the value chain

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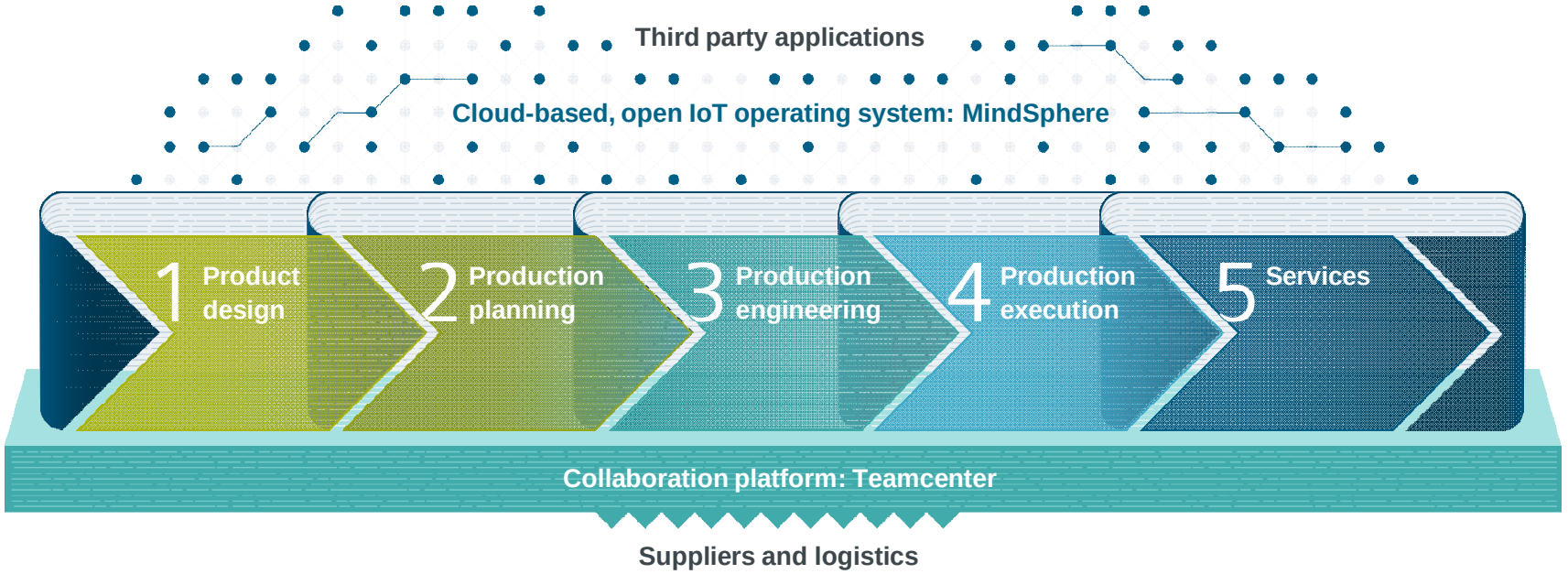

# Create a powerful Digital Twin of the entire value chain

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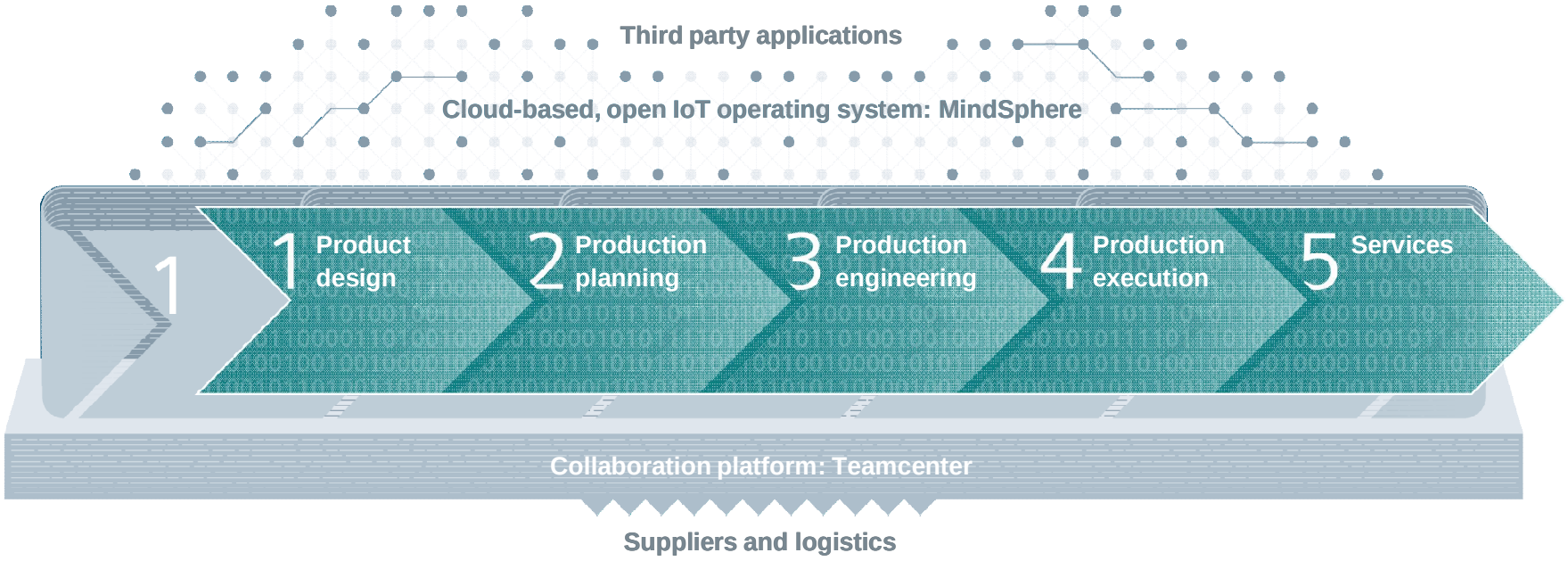

# Digital Twin

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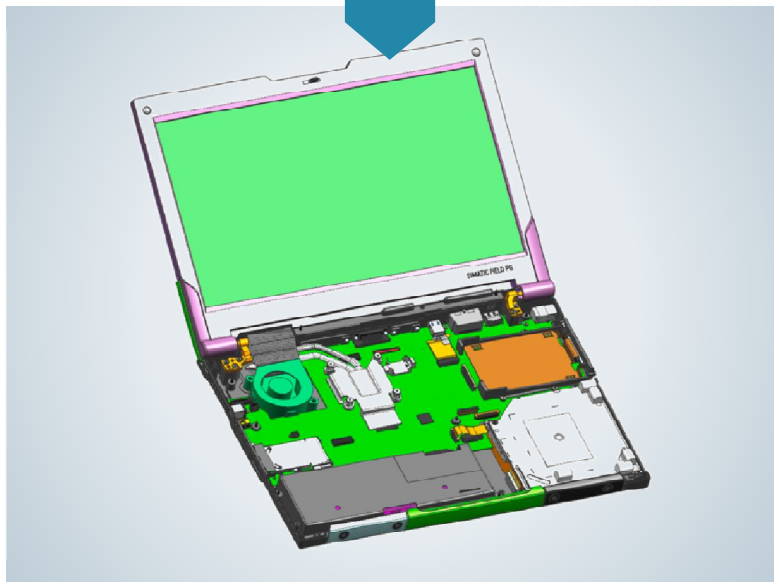
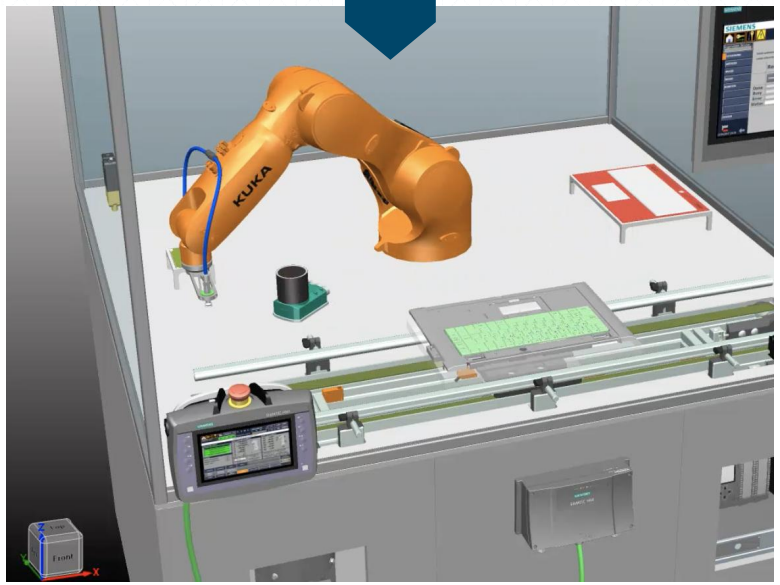
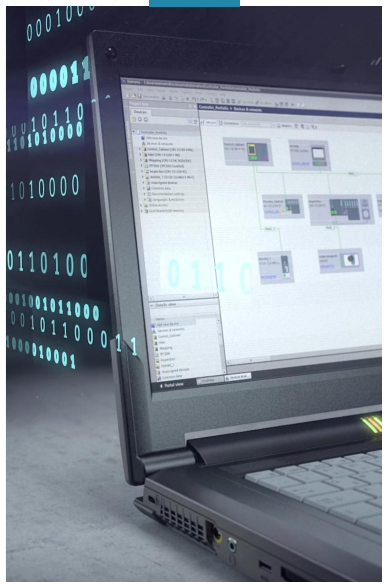
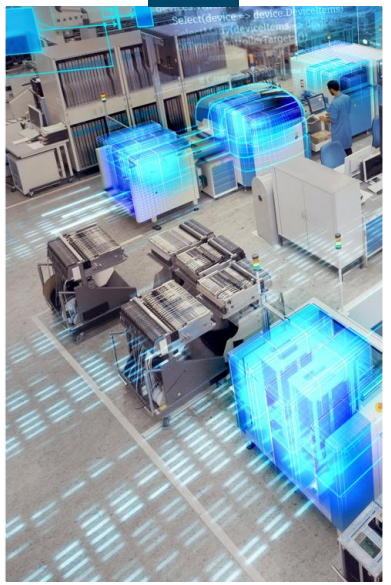
MindSphere

feed back insights to continuously optimize product and production







**Digital Twin of the product**

**Digital Twin of the production**

**Digital Twin of the performance**

# Digital Twin

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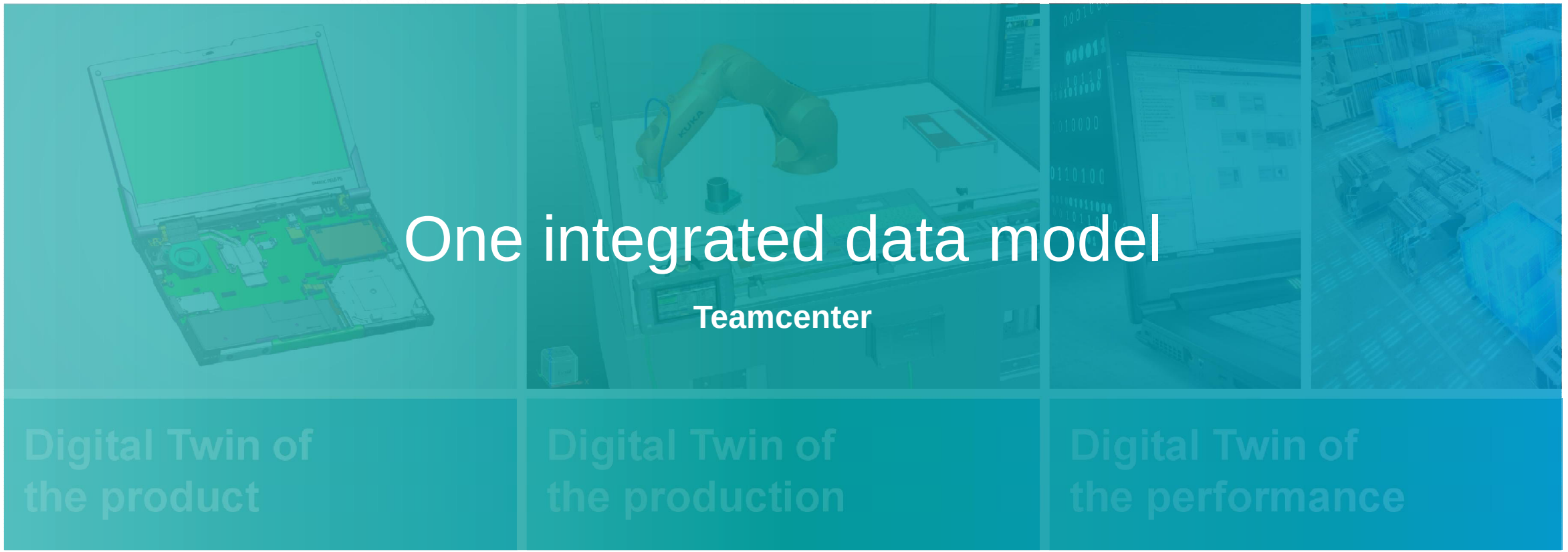
MindSphere



## One integrated data model

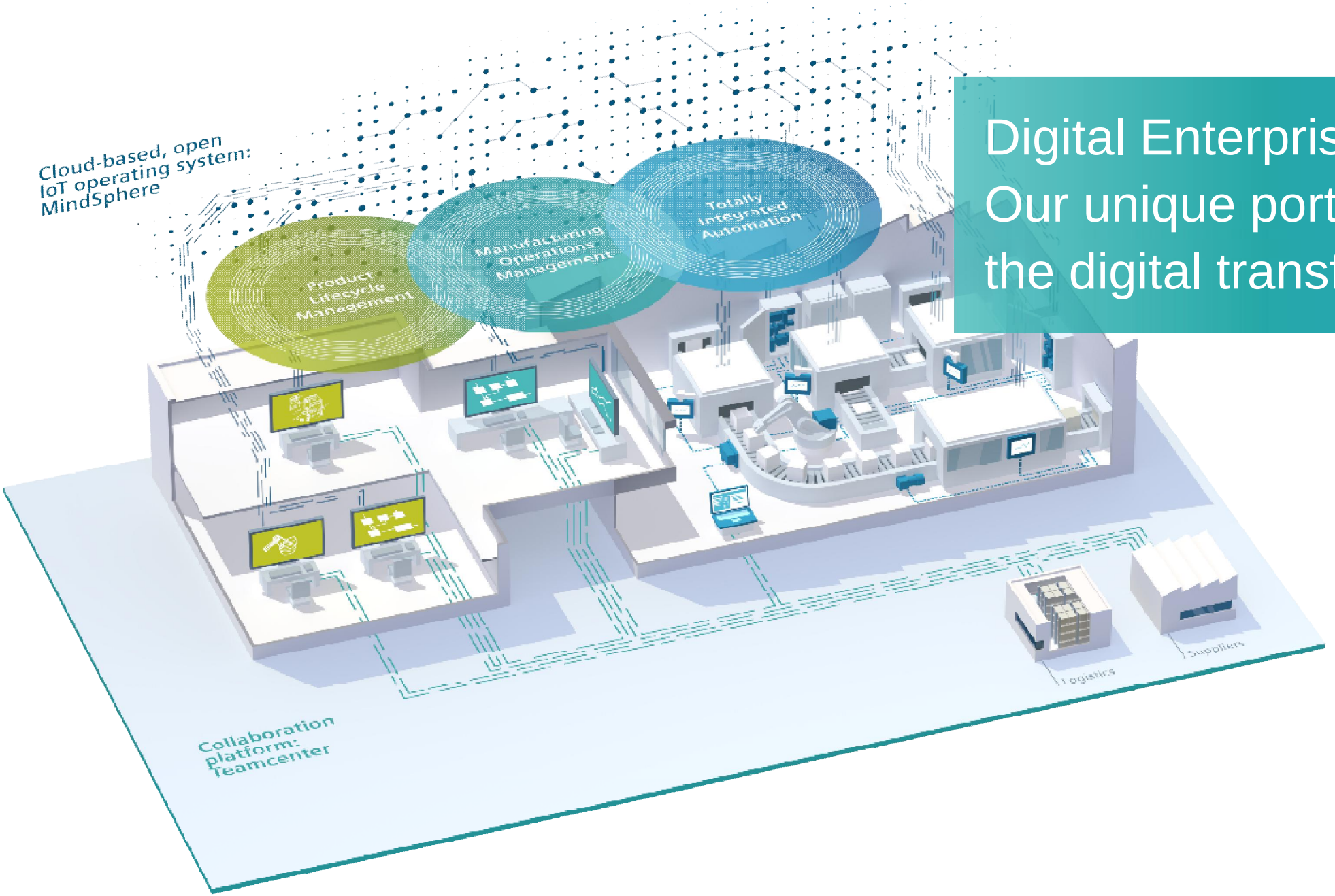
**Teamcenter**

Digital Twin of the product

Digital Twin of the production

Digital Twin of the performance

# Digital Enterprise Suite – Our unique portfolio for the digital transformation



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

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## 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

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# Realize your digital transformation with the Digital Enterprise Suite

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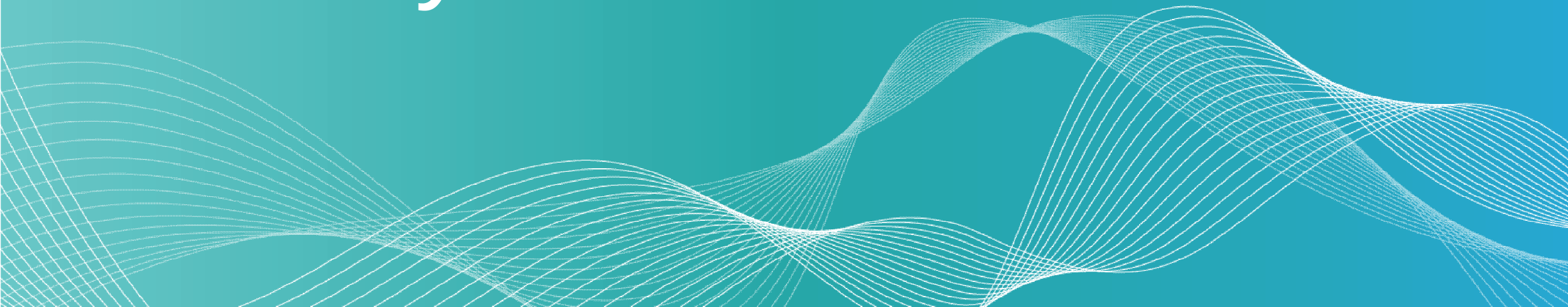
# Make the future yours.



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# Thank you.

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