



# Building the bridge to infinity

The Backbone of Digital Transformation



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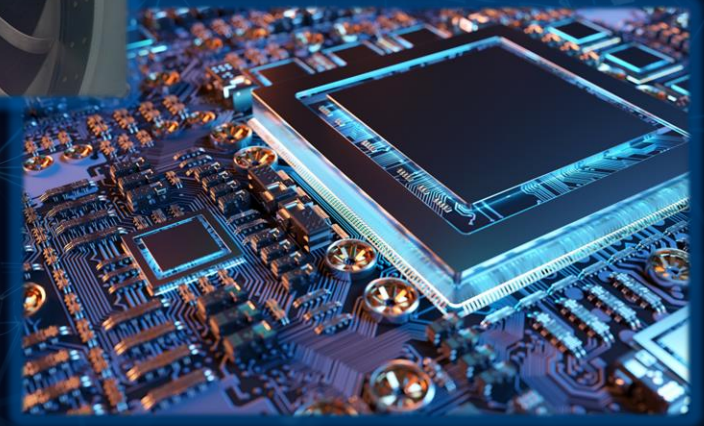
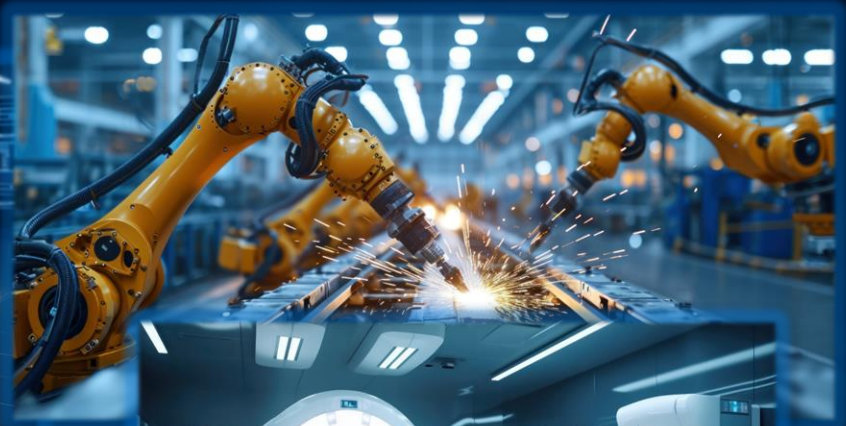


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“*Fast-changing* markets & increasingly *complex* consumer demands are driving companies to quickly react. However, the increasing complexity of products requires an *evolution* in the *product development process*, thus making it *digital*, *connected*, and entirely based on *models & data*”





# Unlocking efficiency and innovation: The Strategic advantages transforming companies into beacons of Digital Continuity



**MASTERED PRODUCT CONFORMITY & TRACEABILITY** to comply with increasing requirements regarding sustainability & circularity

**REDESIGNED DEVELOPMENT CYCLES** for innovative & intelligent connected products & complex infrastructure

**IMPROVED INFORMATION SHARING & COLLABORATION** through the establishment of extended cross-industry ecosystems

**IMPROVED INNOVATION CYCLES** required to reduce delivery lead time & streamline costs

**MORE SUSTAINABLE ENGINEERING** thanks to E2E collaboration – mass production vs. mass personalization

## BENEFITS OF MIRRORING THE DATA: WHAT COMPANIES WHO IMPLEMENTED IT SAY ABOUT IT

.....  
**30%**

reduction on time-to-market

.....  
**40%**

increased productivity and efficiency

.....  
**20%**

reduction of quality costs

.....  
**25%**

reduction of engineering costs

.....  
**85%**

faster design changes

“**Digital continuity** is the bedrock of an organization, connecting products, industrial systems, and services under development, executing strategic plans, and establishing systems and infrastructure ultimately playing a crucial role in **delivering value** to clients”



**Jacques Bacry**  
Executive Vice President –  
Digital Continuity



# In our view, 4 factors are crucial for a successful transformation to an intelligent Value Chain & Closed-Loop Operations





# Our vision for Digital Continuity is an intelligent & adaptive value chain leveraging data-driven excellence

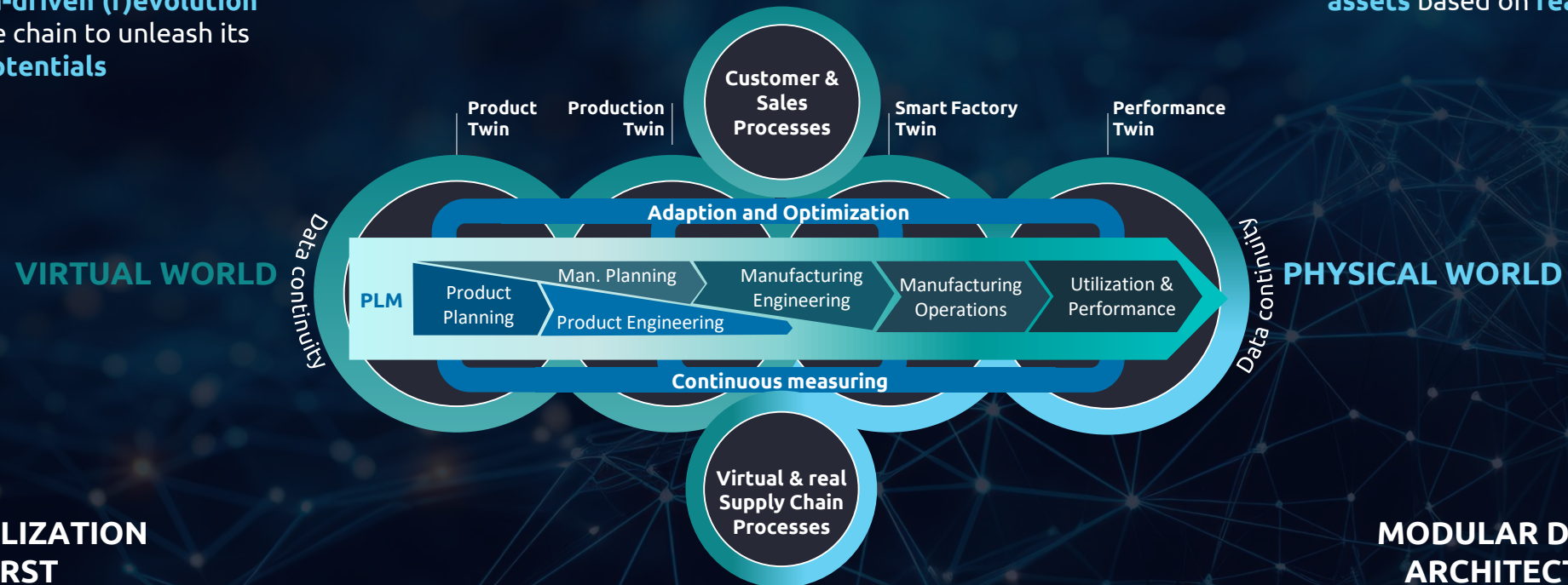


## DATA CONTINUITY

E2E data availability, analytics & AI empower the **data-driven (r)evolution** of the entire value chain to unleash its **full potentials**

## CLOSED-LOOP OPERATIONS

Self-optimizing operations and assets based on **real-time data**



## VIRTUALIZATION FIRST

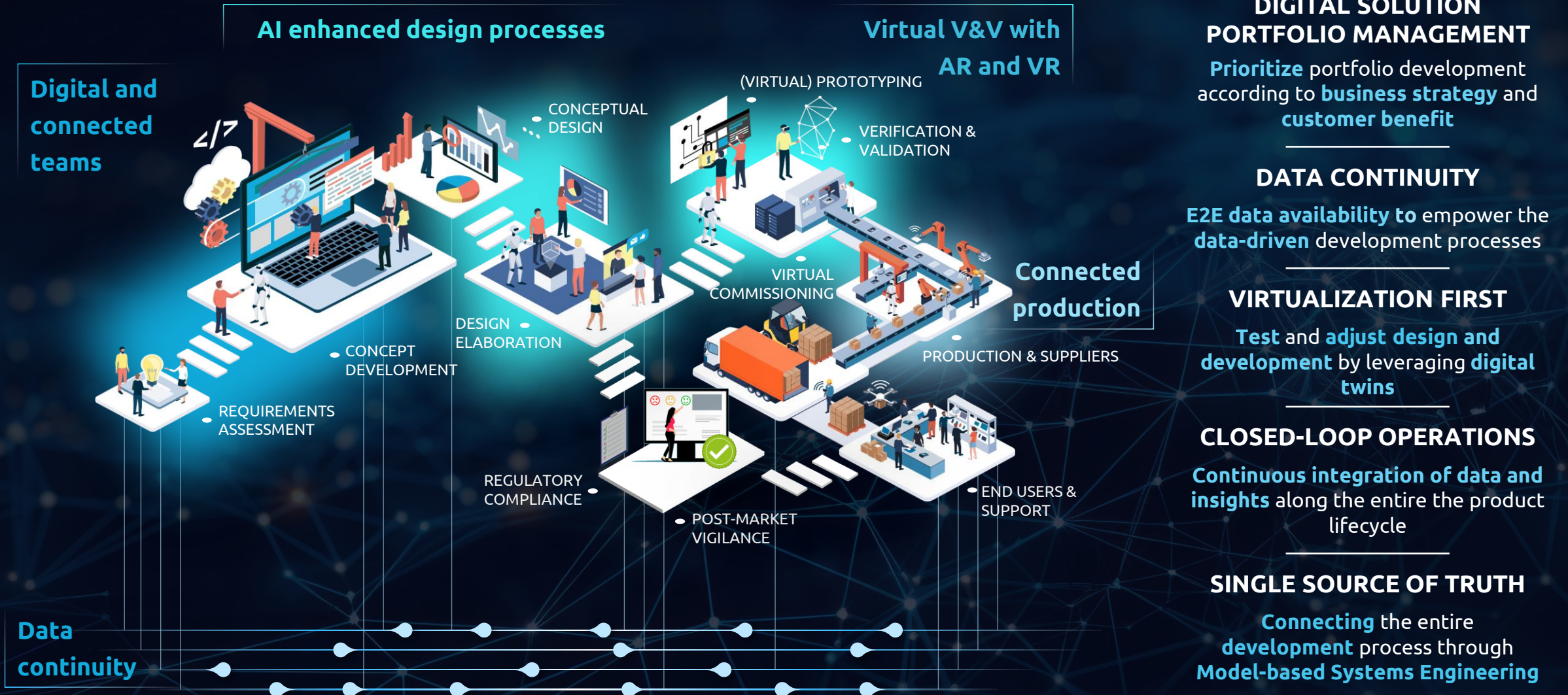
**Parallel Co-Design** drives **best products in best value chains** delivered

## MODULAR DIGITAL ARCHITECTURE

A **microservice-based** modular architecture enables a **step-by-step Implementation** & agile **adaption**



# We support our clients with establishing an E2E Digital Continuity across their product lifecycle





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“ *In today's rapidly evolving digital landscape, embracing digital continuity is not just an option but a necessity for companies looking to thrive. Adapting to paradigm shifts and seizing the opportunity to drive change is crucial for sustaining growth and maintaining competitive edge in the future.* ”

“ *Integrating AI and digital twins in digital continuity journeys offers companies the strategic leverage to innovate and optimize operations in real-time. This crucial adaptation not only drives efficiency but also ensures businesses stay ahead in the ever-evolving digital landscape, future-proofing their operations and seizing market leadership.* ”

**UDO LANGE**

Global Head of Digital Engineering and R&D Transformation



**VERENA GERTZ**

Head of Digital Engineering & Lifecycle Management



**GOING INFINITE**



# Going Beyond: Digital Continuity takes control of enterprise data harnessing the value of generative AI



up to **25%**

**Revenue Increase**



Business models are changing: It is expected that OEMs realize a fifth of their total revenue by data-driven services generating new revenue streams.

up to **40%**

**Cost Reduction**



A leading manufacturer of packaging and paper leveraged our AI-solutions to reduce costs for the processing from inquiry to cash by 40%.



**Faster product development**

**>10X**

Faster Time-to-Market

Within 3 years a life science company was able to develop an mRNA vaccine leveraging Artificial Intelligence. This usually takes multiple years!



**Optimized Production**

up to **40%**

Production Throughput

Artificial intelligent based process management and predictive maintenance enabled an electronics producer to increase production productivity by 140% while managing a twice as high product complexity!



“ Capgemini Invent provides a unique strategic approach to leverage data and Artificial Intelligence to deliver value to our clients. ”





# Our extensive service portfolio covers all aspects of Digital Continuity

## bundled in different focus topics



### FUTURE INTELLIGENT BUSINESS MODELS

### DIGITAL CONTINUITY STRATEGY & VALUE CASE

**Agile Collaboration Model**  
(Decentralized, Modular, Flexible, Boundless)

#### MODEL-BASED ENTERPRISE & E2E CONFIGURATION AND CONNECTED LIFECYCLE

##### Innovation & Development

Model-based Systems Engineering

Data-driven development

##### Sales & Experience

Product & Portfolio Excellence

Variant Configuration Management

##### Supply Chain Collaboration

Extended enterprise collaboration

Product costing & value engineering

##### Manufacturing & Operations

Manufacturing Eng. & Virtual Commissioning

Verification & Validation

##### Service Performance

Installed-base Management

Service and Closed-loop excellence

#### SUSTAINABILITY & CIRCULARITY

**Physical & Digital Convergence**  
(Powerful, Secure, Reliable, Scalable)

### TECHNOLOGY ENABLERS

Internet of Things



Digital Twin



Cloud Computing



GenAI & Analytics



AR/VR



3D Modelling



Simulation



People, Leadership & Change

Governance & Processes



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# To set the stage for Digital Continuity for our clients, we can build on our deep experience in Digital Transformation



## Industry Expertise

With our in-depth industry knowledge and skills, we support our clients in Automotive, Manufacturing & High-Tech, Life Sciences, Energy & Utilities and other industries in discrete and process business & operating models.



## Digital Transformation Roadmapping

We work with clients around the globe defining their digital roadmaps and enabling transformations based on our Business & industry know-how, e2e technology competence and change capabilities.



## Platform Architecture

We design sustainable, reusable, scalable and modular platforms, driven by strong practices with a throughput countless projects every year with our interconnected, globally acting platform specialists.

## Digital Continuity

We support clients in all industries defining their digital continuity journey. Our experienced team of manufacturing specialists is equipped with E2E experience in intelligent value chain & digitalization levers and roadmap design.



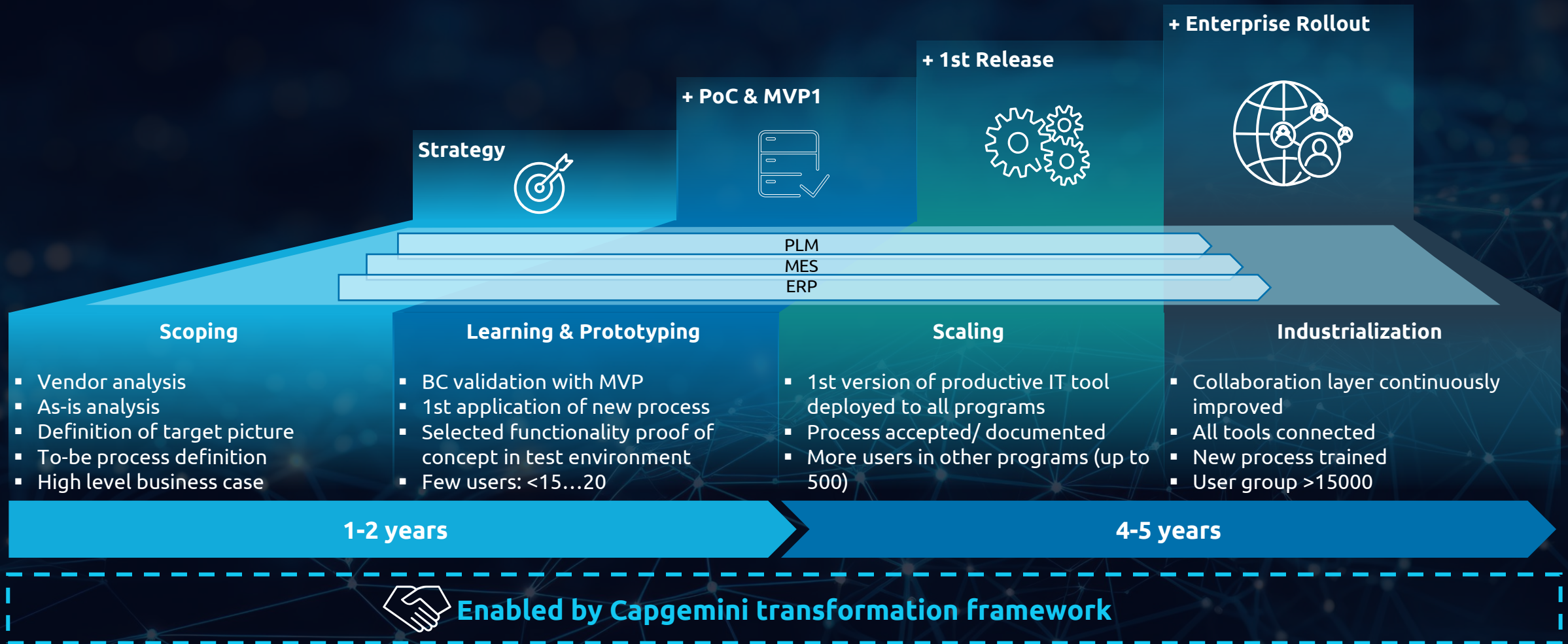
## Sustainability

High complexity due to regulations & sustainability dimensions is not just a challenge but also provides great benefits. We enable engineers to develop state-of-the-art sustainable products by leveraging the potential of digitization and digital continuity.



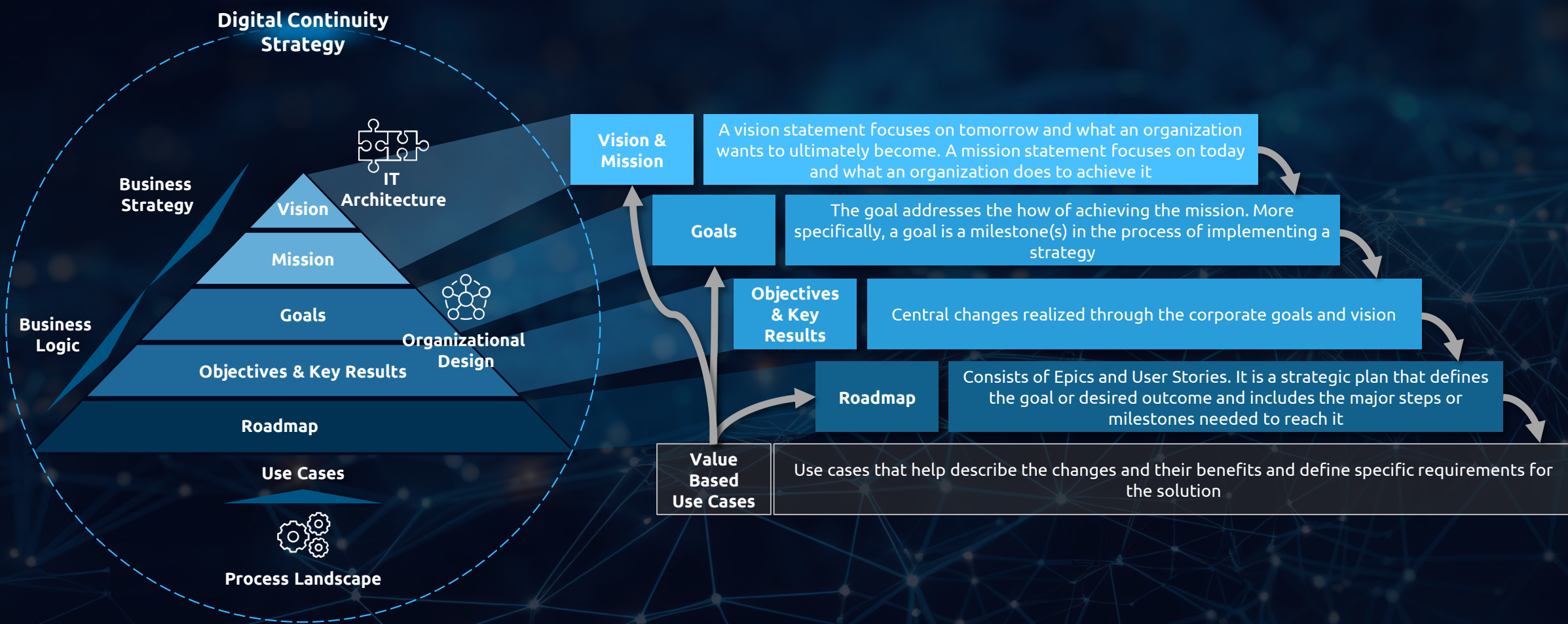


# A stable ecosystem needs to be established to realize a value-driven business transformation



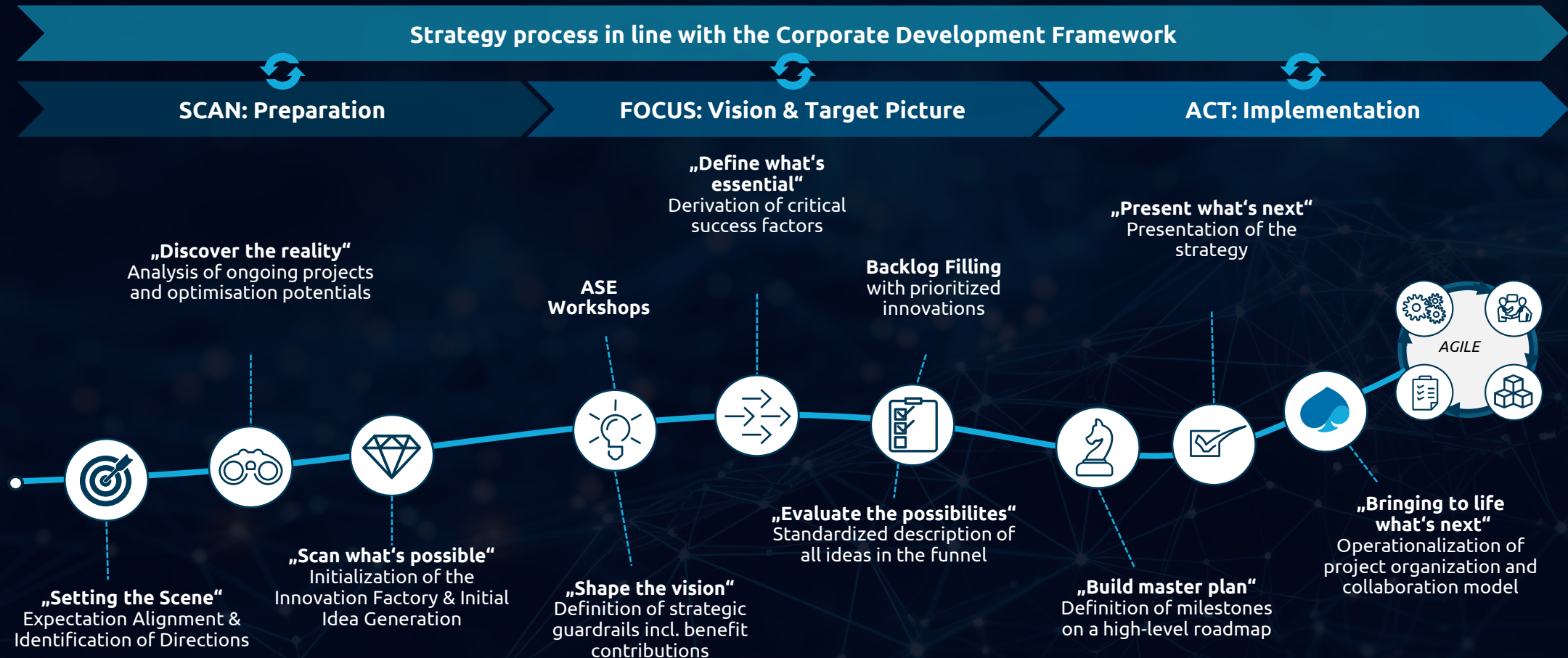


# The strategy pyramid builds the framework for realizing a Digital Continuity transformation and provides guidance



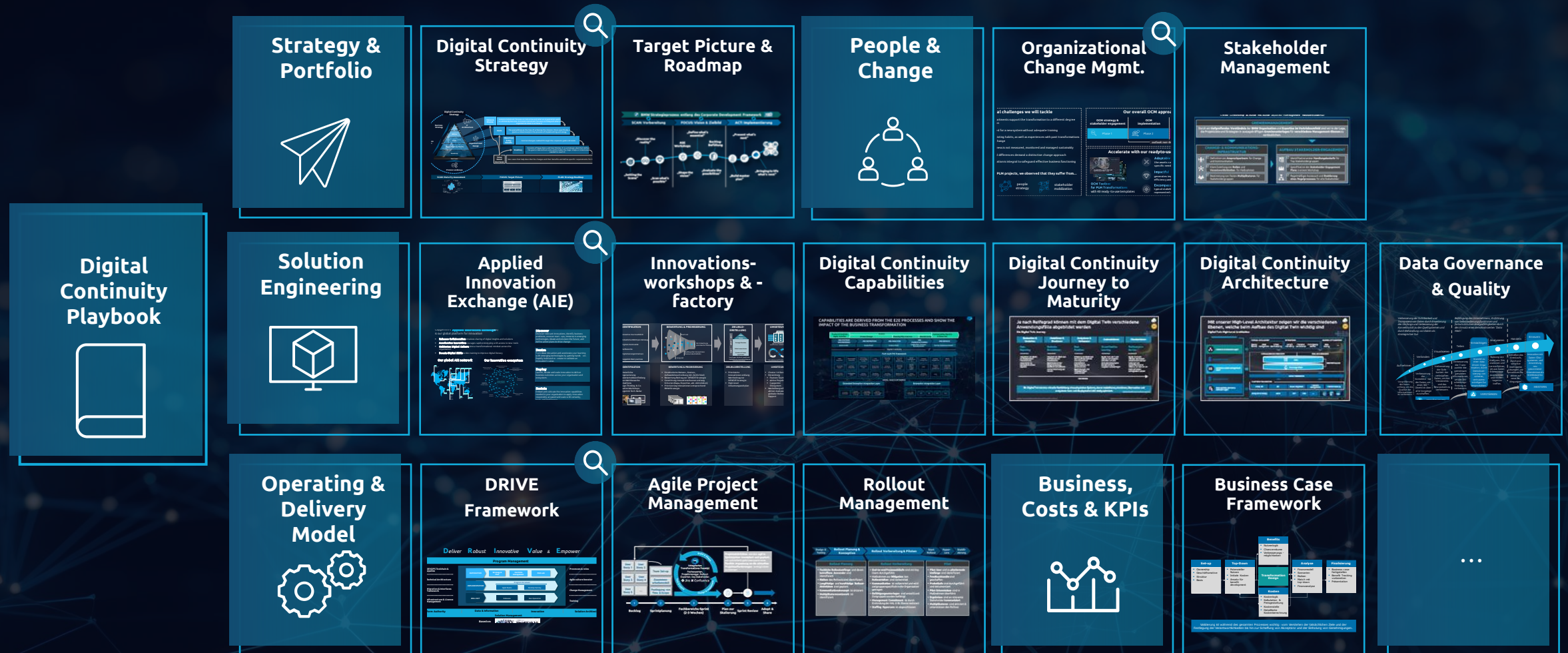


# Strategically aligned innovation by applying in close coordination with customer strategy for enhanced success





# With the DC Playbook, we provide a holistic toolset for a successful operationalization during the digitalization journey







**Verena Gertz**  
Vice President  
Head of Digital Continuity

mail: [verena.gertz@capgemini.com](mailto:verena.gertz@capgemini.com)  
Mobil: +49 151 4025 1468



**Dr. Thomas Vollmer**  
Director  
Digital Engineering and R&D  
mail: [thomas.vollmer@capgemini.com](mailto:thomas.vollmer@capgemini.com)  
Mobil: +49 151 2772 9292

## About Capgemini Invent

As the digital innovation, design and transformation brand of the Capgemini Group, Capgemini Invent enables CxOs to envision and shape the future of their businesses. Located in over 30 studios and more than 60 offices around the world, it comprises a 12,500+ strong team of strategists, data scientists, product and experience designers, brand experts and technologists who develop new digital services, products, experiences and business models for sustainable growth.

Capgemini Invent is an integral part of Capgemini, a global business and technology transformation partner, helping organizations to accelerate their dual transition to a digital and sustainable world, while creating tangible impact for enterprises and society. It is a responsible and diverse group of 340,000 team members in more than 50 countries. With its strong over 55-year heritage, Capgemini is trusted by its clients to unlock the value of technology to address the entire breadth of their business needs. It delivers end-to-end services and solutions leveraging strengths from strategy and design to engineering, all fueled by its market leading capabilities in AI, cloud and data, combined with its deep industry expertise and partner ecosystem. The Group reported 2023 global revenues of €22.5 billion.

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