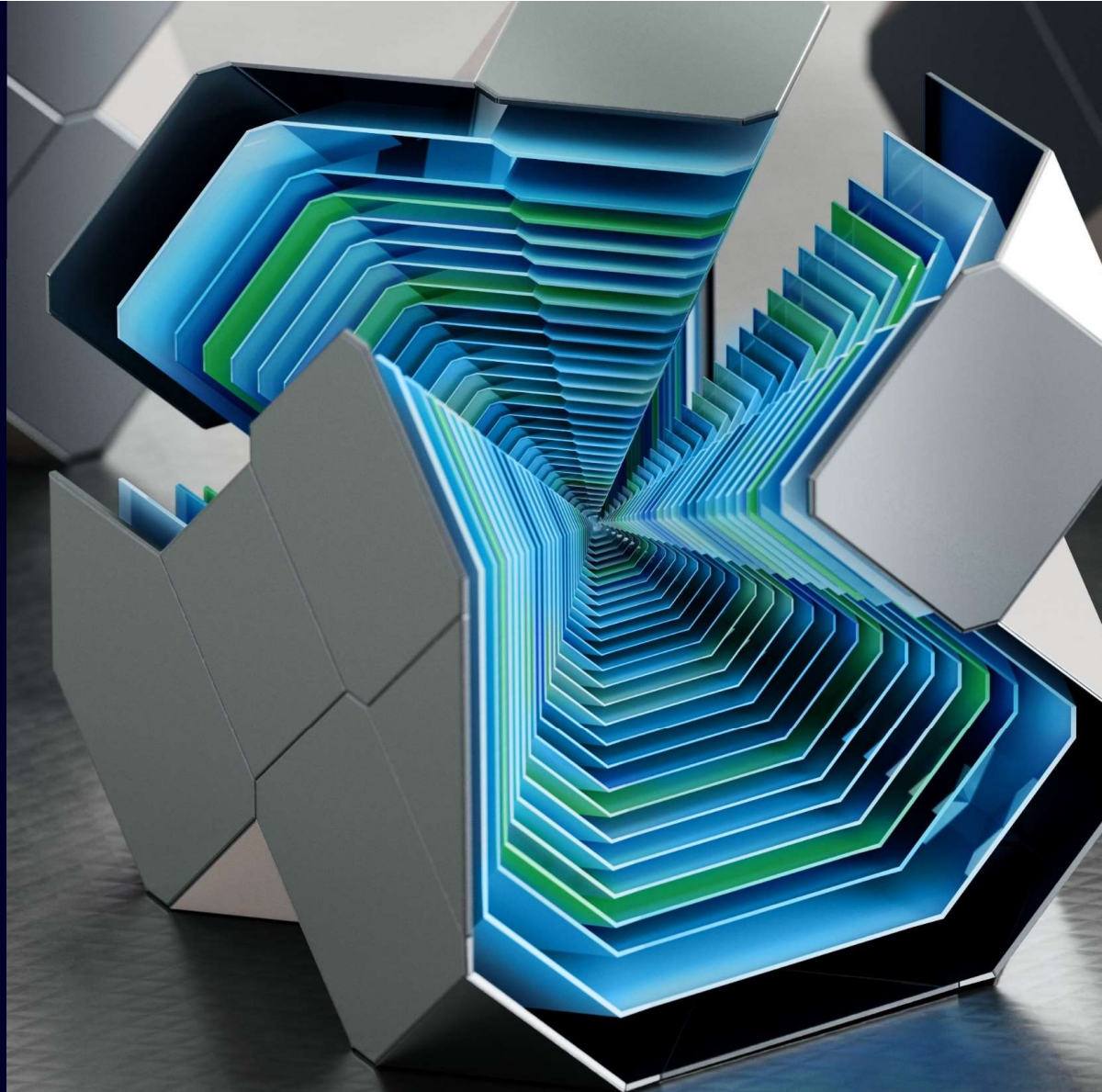


SIEMENS | Capgemini

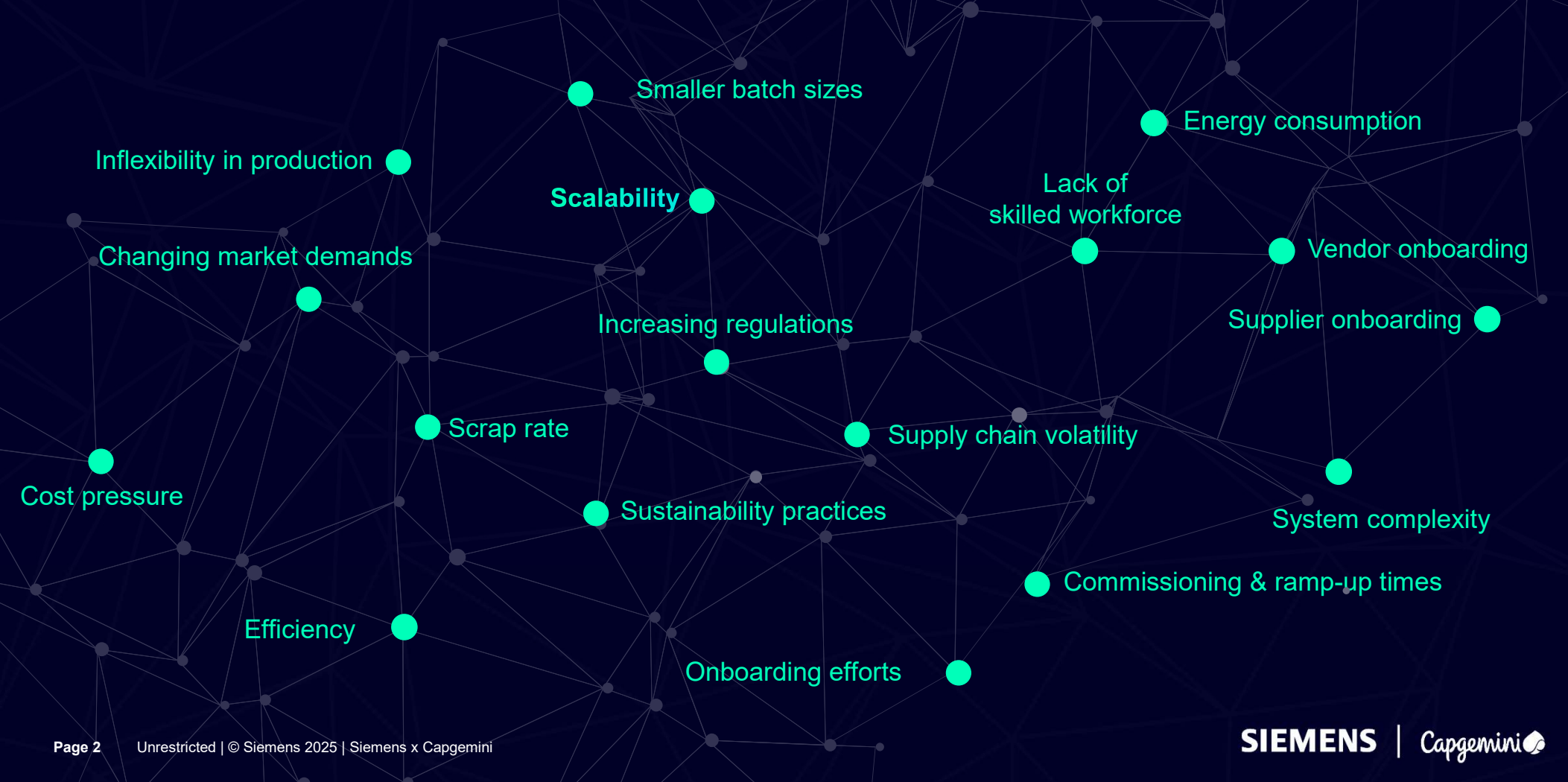
E2E framework for *engineering and validation of production lines*

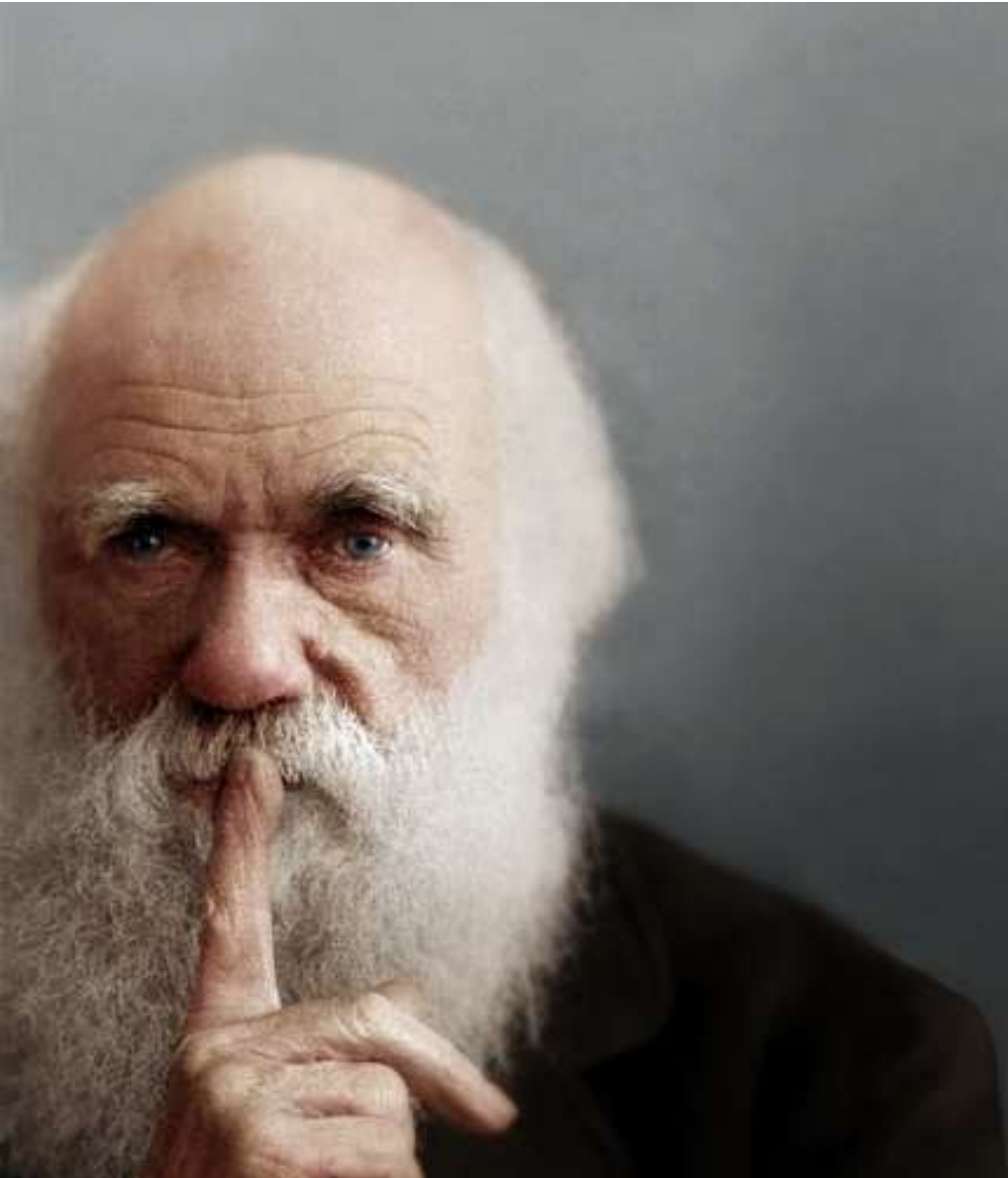
How Capgemini and Siemens can help
you scale-up your operations and
outpace your competition

Unrestricted | © Siemens 2025 | Siemens x Capgemini



Multidimensional challenges force Manufacturers to continuously adapt their businesses





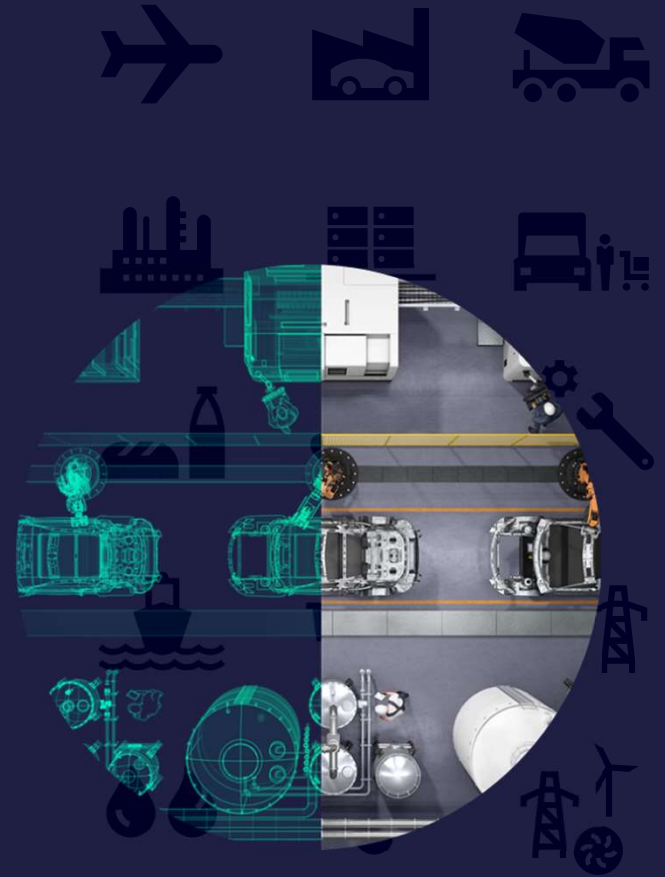
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It is not the strongest of
the species that survives,
nor the most intelligent
that survives.

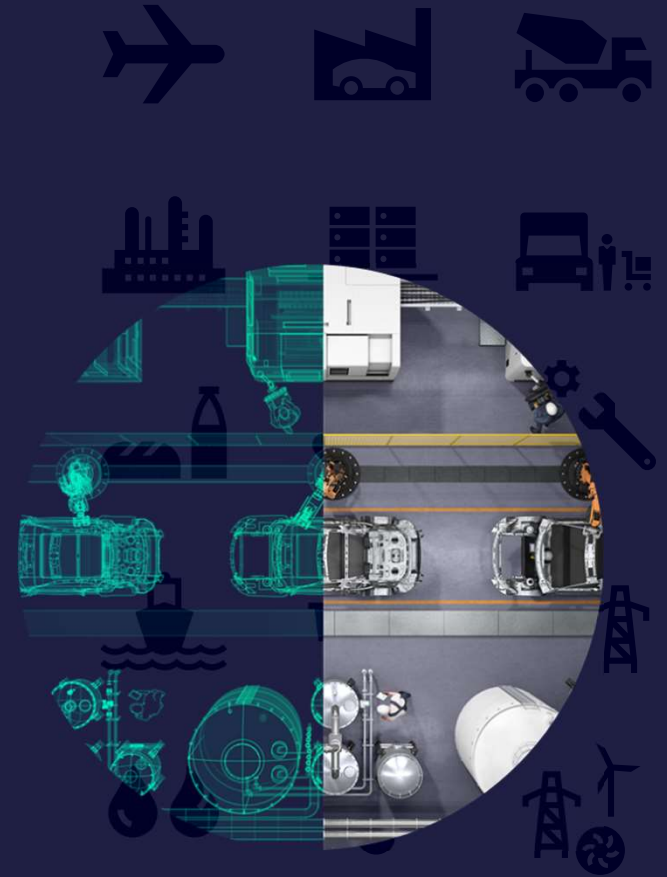
It is the one that is **most
adaptable to change.**

– Charles Darwin

Can you **profit from simulation** to optimize your business?

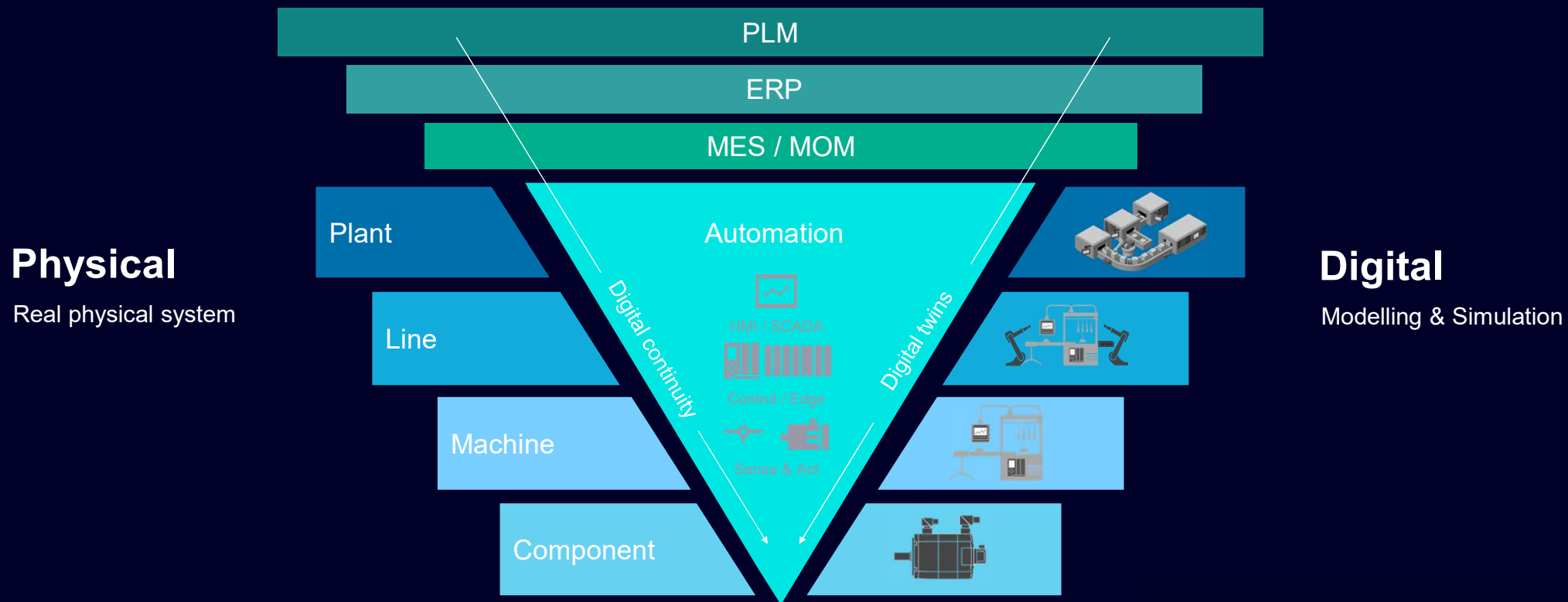


Yes – by using modern E2E industrial simulation technologies and digital twin approach to connect the real and physical world, coupled with solid industry knowledge and best practices.

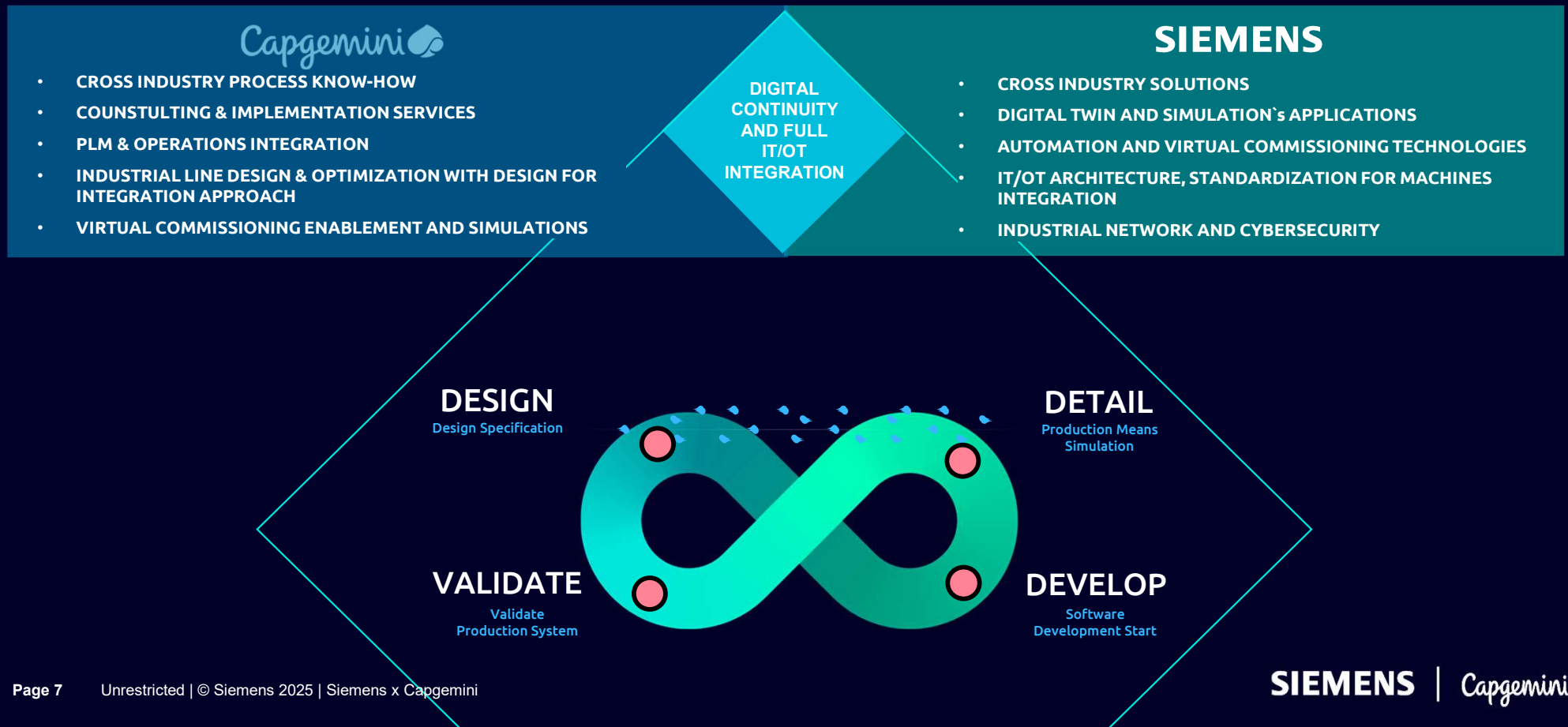


Digitally unified enterprises using simulation assure seamless integration of IT and OT resulting in optimal process set-up

Digital Twin: functional representation of planned/operational physical system behavior



Two market leaders collaborate to accelerate your time-to-market at reduced cost



Siemens & Capgemini Joint Solutions and Services

E2E Simulation and Technology Solutions



STRATEGY DEFINITION

Vision & Strategy
Portfolio & Roadmap



SOLUTION CONSULTING

AS-IS Analyses
Needs & Requirements Analysis
Solution Design & Architecture
Implementation Planning



SOLUTION IMPLEMENTATION

Project & Program
Management
System Configuration & Setup
Testing & Quality Assurance
Change Management
Go-Live & Hypercare



3RD PARTY INTEGRATION

PoCs
Integration Strategy & Planning
Vendor Coordination &
Management
Security & Compliance
Mapping & Transformation
Testing & Validation



OPERATION & SUPPORT

Training & Enablement
Continuous Improvement,
Optimisation and Support



Our customers¹ and partners² have shared the following results



1 External reference available | 2 Official Siemens Solutions Partners

From Vision to Value : Customer Journeys Toward Smarter Manufacturing



Teamcenter Instance Consolidation & Integration

Oil & Gas Customer

An Oil & Gas customer needed to consolidate all business functions from different users/sites into a single Teamcenter instance to optimize operations, reduce costs, improve reusability, and facilitate skill & knowledge retention. They needed to include +150 users from different locations, amongst them Mexico, Europe, & India.

Capgemini consolidated PDM & PLM systems into a unified Teamcenter platform, where standard business processes for part, document, BOM & change management were implemented and integrated with SAP for exchange of SO and PO. It included server-side extensions for custom-functionality, porting of legacy functionality, and migration of 10 million data with Capgemini migration engine

The customer achieved a **reduction in migration costs of 25%** through the CAPGEMINI Migration Framework. Through the consolidation, a huge reduction in **hardware & license costs** was achieved while **improving the reusability** of components. An **increase in profitability by 20%** was achieved



Strategy, Integration, & Enablement of Virtual Commissioning Capabilities in Industrial Digital Twins

Aerospace Customer

As part of a digital transformation project, the customer needed to explore how the use of Digital Twins could increase productivity throughout production sites. One of the workstreams was virtual commissioning

Capgemini defined architectures to realize virtual commissioning solutions compliant with their PLM environment. Libraries and accelerators were developed to reduce overall lead-time and cost and validated through various projects. Methods and processes were developed to enable users.

The customer measured a **reduction of 30% in commissioning lead-time** for an industrial system in a pilot project. They now use virtual commissioning in new programs, greenfield, and retrofit projects.



Implement a Digital Shadow for Robotic Station and Process Validation

Aerospace Customer

In context of a new program with our customer needed to design a robotic cell concept to manufacture a new product. He was required to use digital technologies to speed up the design studies and secure the robotics design and process.

Capgemini worked with the customer to build the business case for industrializing 3DEXperience capabilities, integrate the simulation & OT-technologies, enable Robotics Off-line Programming capabilities, and integrate the digital shadow of their laboratory cell with multi-vendor technologies

The **digital shadow** was **delivered** and **integrated** with the laboratory's **OT & Cloud infrastructure**. It is now used to **research and design** the production concept and **facilitate collaboration**

Situation

Solution

Benefits



Two market leaders collaborate to help you scale-up your operations and outpace your competition



Engineering

Design and simulation in a Ready-for-Integration Approach **increase** the level of Out-of-the-Shelf components and **avoids** expensive jigs & tools development



Industrialization

Industrial simulations **assure and derisk** **Industrialization** and scale of production capabilities throughout your ecosystem



Operational Excellence

Industrial simulations and virtual commissioning **reduce the time for physical commissioning** and **lower the risk of production losses** through interruptions



Traceability & Compliance

Industrial simulations **minimizes the risk of safety accidents** with **human, infrastructure, or environmental damage or loss** and **improves** your environmental footprint and **sustainability**



Ecosystem Strategy

Digital industrial design, development and **validation** through **simulation** brings **competitive advantages, flexibility** and **adaptability**

More Information and Contact



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