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Ingenuity for life

Digitalization changes everything



Simcenter Event – Gothenburg May 3rd – 4th, 2018



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Siemens and Digitalization – What's it all about?

Ola Janson - Director Automotive & Transportation, Aerospace & Defense, Test & Simulation

Siemens PLM Software AB

2018-05-03

siemens.com

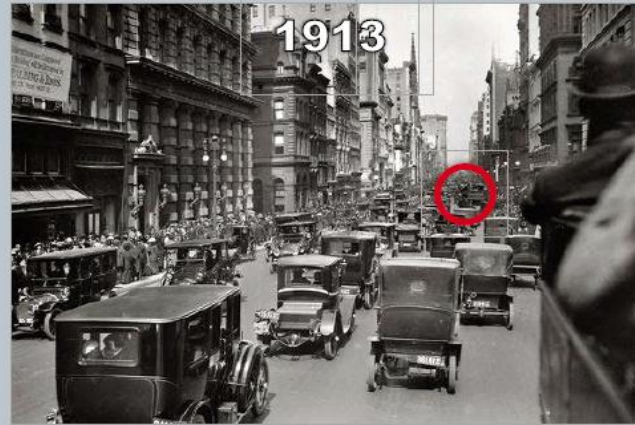
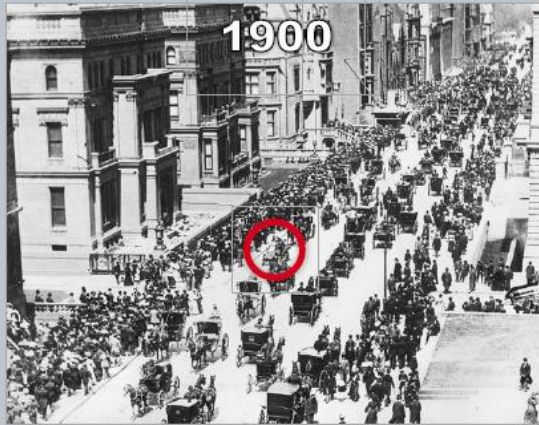
Digitalization changes everything



Disruptive Technologies Change!

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EASTER PARADE NEW YORK CITY – FIRST CAR, LAST HORSE



POPE ANNOUNCEMENT ST PETER'S SQUARE



Siemens to be a disrupter

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Digitalization
Automation
Electrification



Digitalization is not a buzzword – It's reality!

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US\$1.2 Trillion

Spending on Digital
Transformation
Technologies
in 2017

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



Digitalization changes everything

Siemens - Driving the Digital Enterprise for the Industry

A decorative graphic at the bottom of the slide consisting of multiple overlapping, wavy lines in a light teal color, creating a sense of motion and digital connectivity.



How did Sony miss the
IPOD?



Mechanical Engineering



Electrical Engineering



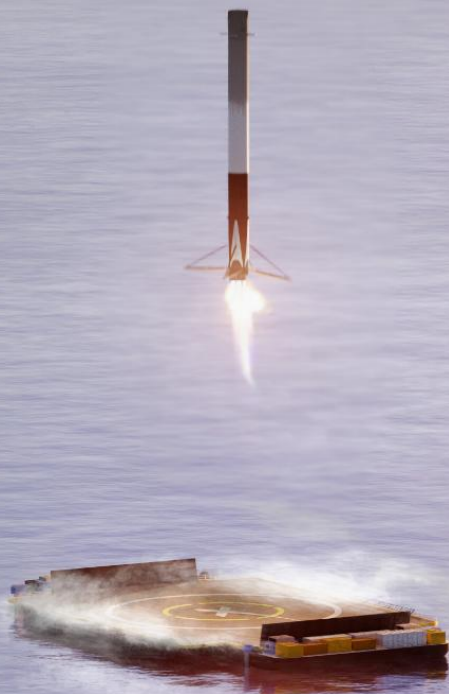
Software Engineering



Manufacturing Engineering

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SpaceX – “Grasshopper Technology”
Commercializing Space





“My goal is to hand over electric propulsion to the next generation in order to make aviation continue on this planet. “

Dr. Frank Anton, Head eAircraft

Siemens eAircraft **Transforming Propulsion**



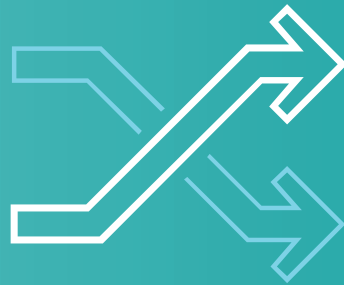
Manufacturers have essential requirements throughout the industry

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Speed



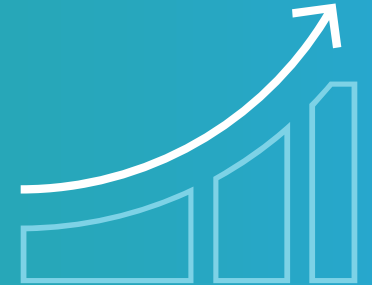
Flexibility



Quality



Efficiency

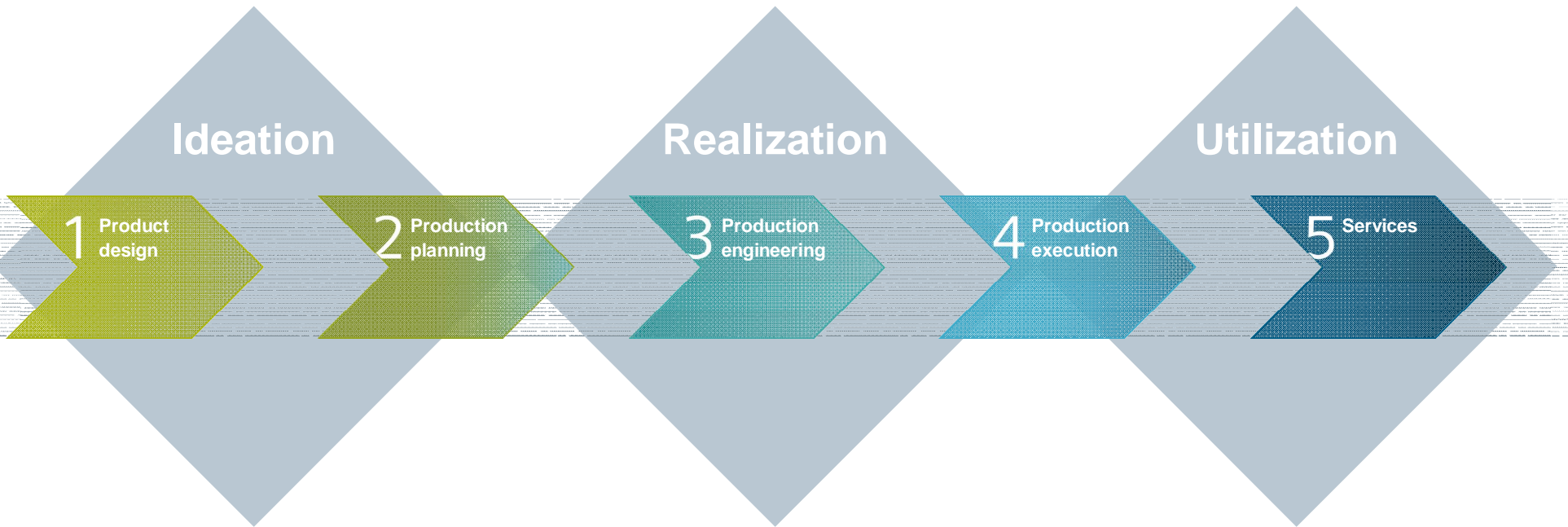


Security



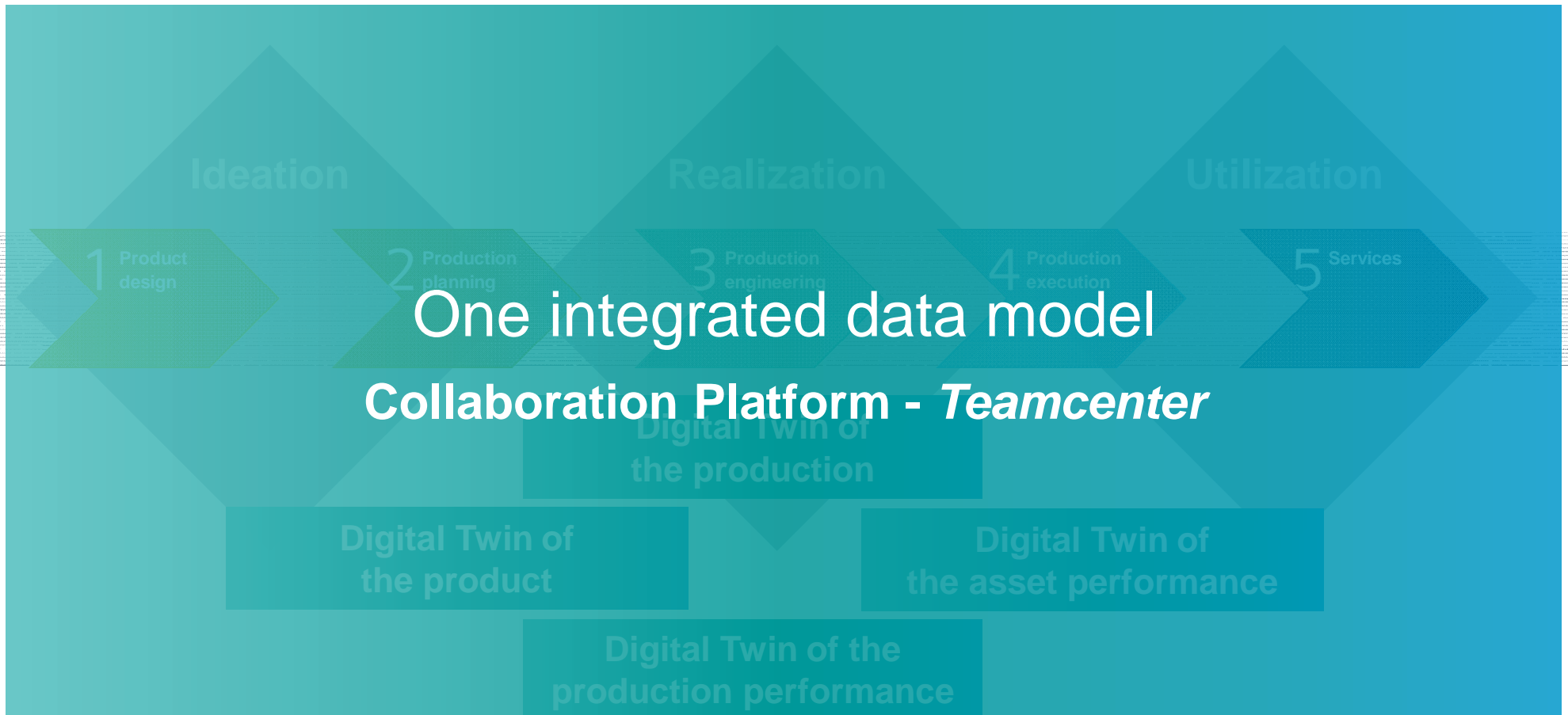
**A common digital thread enables
continuous business transformation**

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By compressing the innovation lifecycle

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Digitalization changes everything

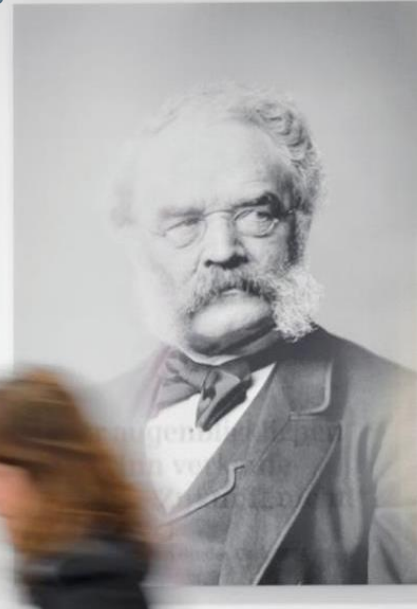
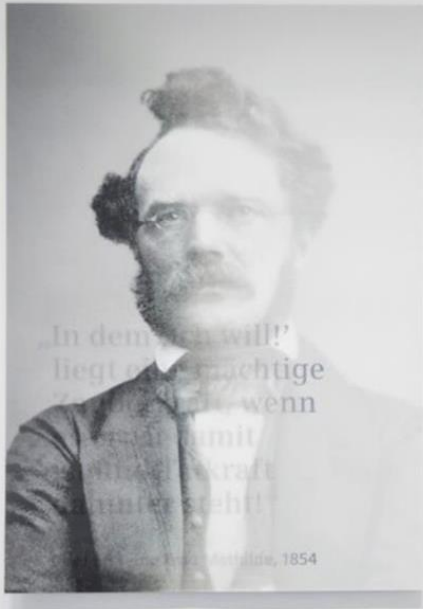
Siemens - Driving the Digital Enterprise for the Industry



How to run a 170 year old company like a Startup?

“I’m not going to be the one who turns out the last lights of the last conglomerate”

Joe Kaeser, CEO of Siemens AG



**170 years
of Siemens**

Siemens company structure

We make real what matters

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Power and Gas



Building Technologies



Digital Factory



Siemens Healthineers



Energy Management



Mobility



Process and Drives



Siemens Gamesa Renewable Energy



Siemens Digital Factory paving the way for the Digital Enterprise

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Digital Factory Division

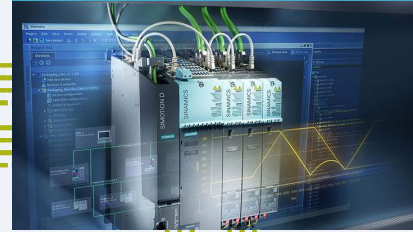
Product Lifecycle Management



Factory Automation



Motion Control



Control Products



Customer Services



Integrated product portfolio



Siemens Amberg plant



Fast!

~1 Million monthly production of SIMATIC products



Flexible!

1,200+ products shipped to
60,000+ customers worldwide each year
24 hour lead time for new orders (From 1 unit)



Efficient

75% Overall Equipment Effectiveness (OEE) plus
20% buffer for overcapacity



Quality!

~11 dpm means near perfect quality – every time

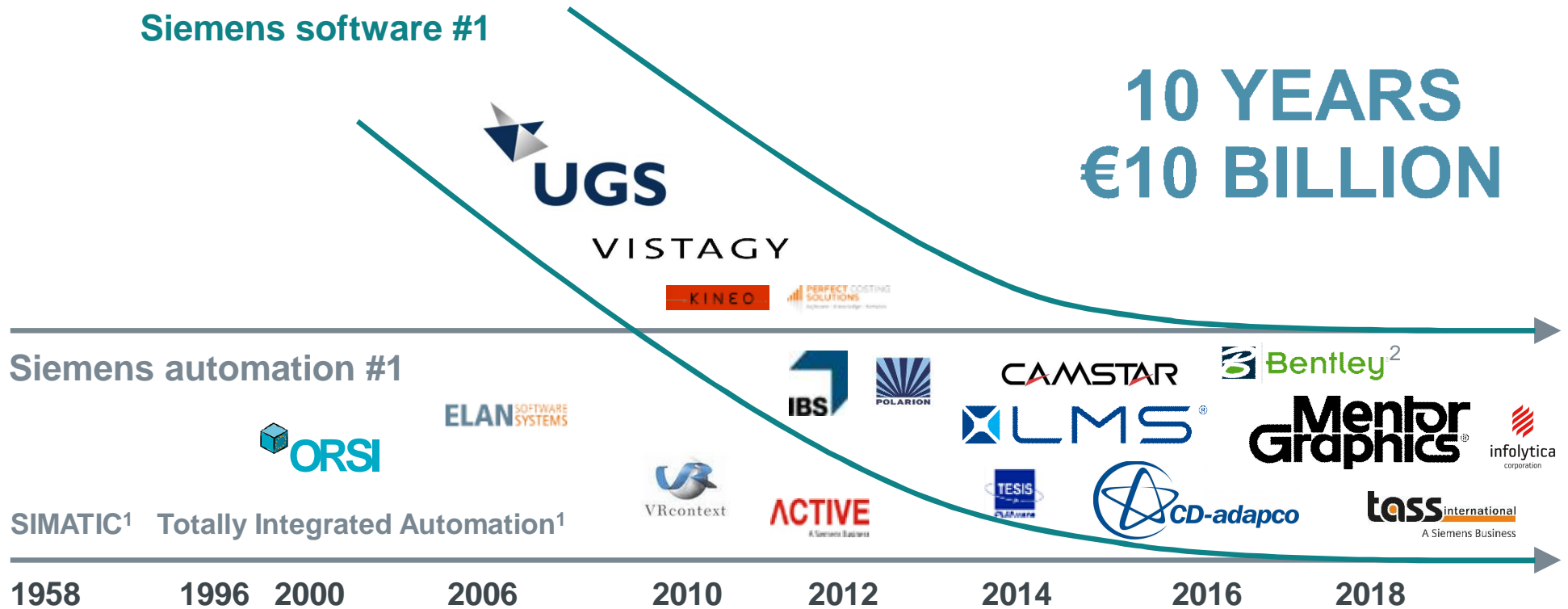


Proven through the systematic expansion of our portfolio

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Siemens software #1

10 YEARS
€10 BILLION



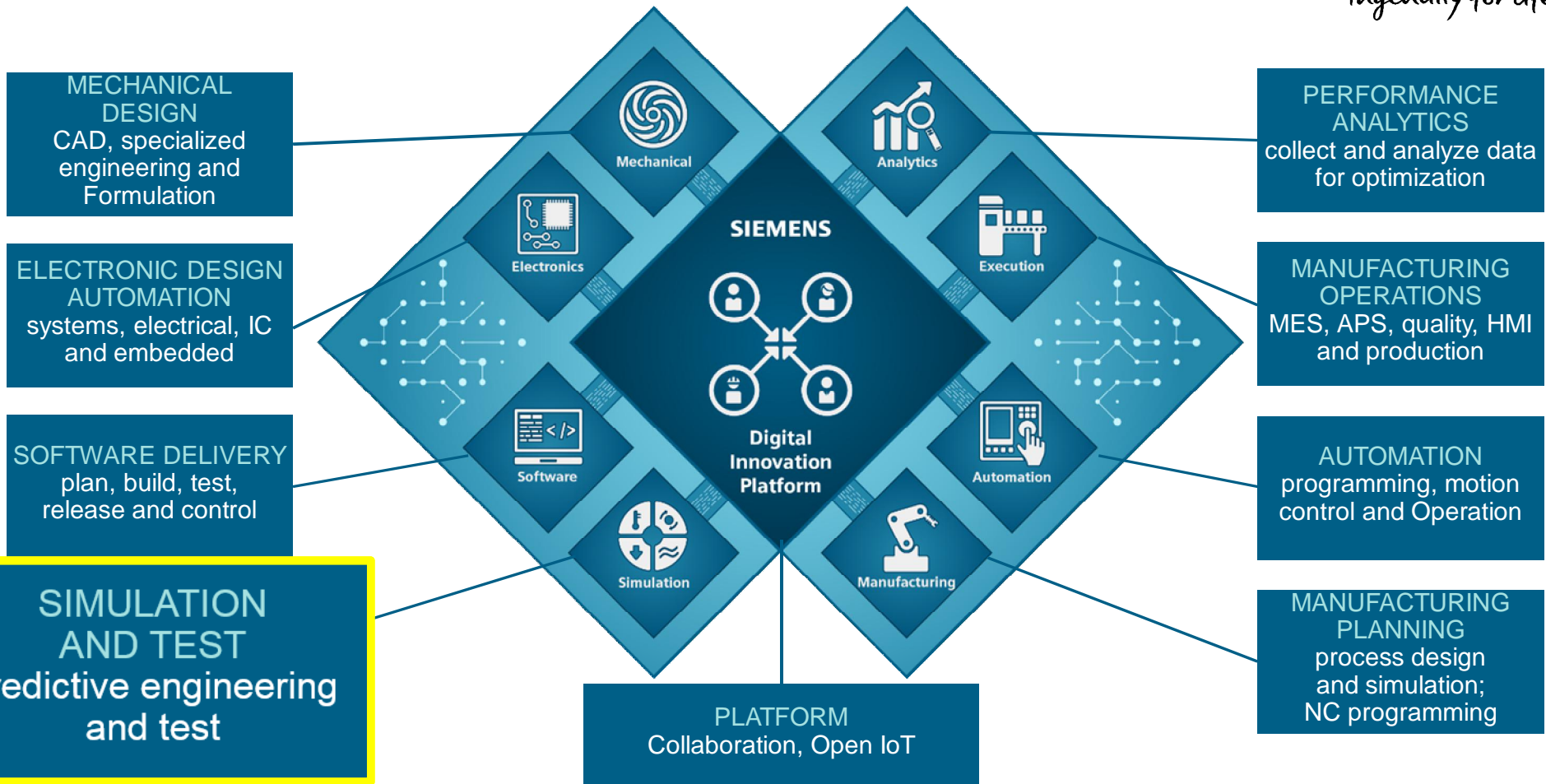
1 In-house developments/digital upgrades 2 Cooperation

The world's leading supplier of industrial software for the Digital Enterprise



The broadest portfolio for digital innovation

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THANK YOU!



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