

Digital Industries

Klaus Helmrich, CEO Jan Mrosik, COO Maria Ferraro, CFO Walden C. Rhines, Mentor Graphics Siemens Capital Market Day | Munich, May 8, 2019

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Notes and forward-looking statements



This document contains statements related to our future business and financial performance and future events or developments involving Siemens that may constitute forward-looking statements. These statements may be identified by words such as "expect," "look forward to," "anticipate" "intend," "plan," "believe," "seek," "estimate," "will," "project" or words of similar meaning. We may also make forward-looking statements in other reports, in presentations, in material delivered to shareholders and in press releases. In addition, our representatives may from time to time make oral forward-looking statements. Such statements are based on the current expectations and certain assumptions of Siemens' management, of which many are beyond Siemens' control. These are subject to a number of risks, uncertainties and factors, including, but not limited to those described in disclosures, in particular in the chapter Risks in the Annual Report. Should one or more of these risks or uncertainties materialize, should decisions, assessments or requirements of regulatory authorities deviate from our expectations, or should underlying expectations not occur or assumptions prove incorrect, actual results, performance or achievements of Siemens may (negatively or positively) vary materially from those described explicitly or implicitly in the relevant forward-looking statement. Siemens neither intends, nor assumes any obligation, to update or revise these forward-looking statements in light of developments which differ from those anticipated.

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Customer needs drive our business – We support them in leveraging unique growth and profit opportunities



Flexibility

Time to market

Productivity

Our comprehensive end-to-end portfolio meets core customer demands



Example Aerospace 2.5 instead of six years development time for airplanes



Example Machine Building

Up to 25 percent shorter machine commissioning times

Example Chemicals

Individualized color batches of 100 liters instead of 5,000+ liters

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Market-leading Business Units focus on customer needs – with software, automation and services





Software (industrial)

#1 market position

- Integrated portfolio of industrial software
- Cloud-based, open IoT operating system
- Rapid application development platforms



Factory Automation

#1 market position

- Automation products
- Engineering software
- SCADA software
- Systems for production machines
- Industrial Edge



Motion Control

#1 market position

- Drives
- Motors
- Machine Tool Systems
- Additive Manufacturing
- Digitalization and Edge Computing for machine tools and drive technology



Process Automation

#3 market position

- Automation systems & software for process industries
- Process instrumentation & analytics
- Industrial communication & identification
- Power supply systems



Customer Services

- Lifecycle services
- Digital services
- Digital Enterprise consulting and integration

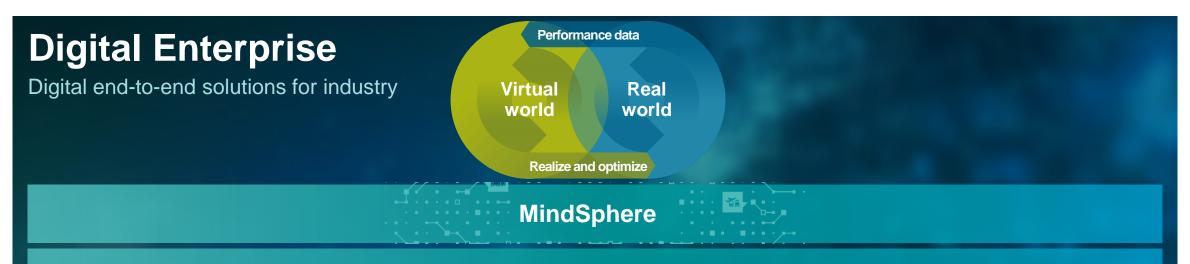
Solutions for focus Industry Verticals

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Digital Enterprise offering integrates virtual and real worlds – leading to unique competitive advantage of our customers





Automation and industrial software for process and discrete industries



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Digital Industries is uniquely positioned – with automation and software driving digital transformation



Loyal and constantly growing customer base	180,000+ customers 7,500 partners
2 Strong market position of our businesses	<pre>#1 in industrial software, factory automation & motion control</pre>
3 Ever-expanding global installed base	>10,000 PLCs shipped per day
4 Growing industrial software business	>60% recurring share in software revenue
5 Unique end-to-end portfolio in software and automation	<pre>>10bn M&A executed >10% R&D investment</pre>
6 Global network of domain experts	<pre>>12,000 industrial software engineers >20,000 automation engineers</pre>

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Dedicated sales channel approach has widened customer reach from small and medium enterprises to global corporations





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Close to customers around the globe



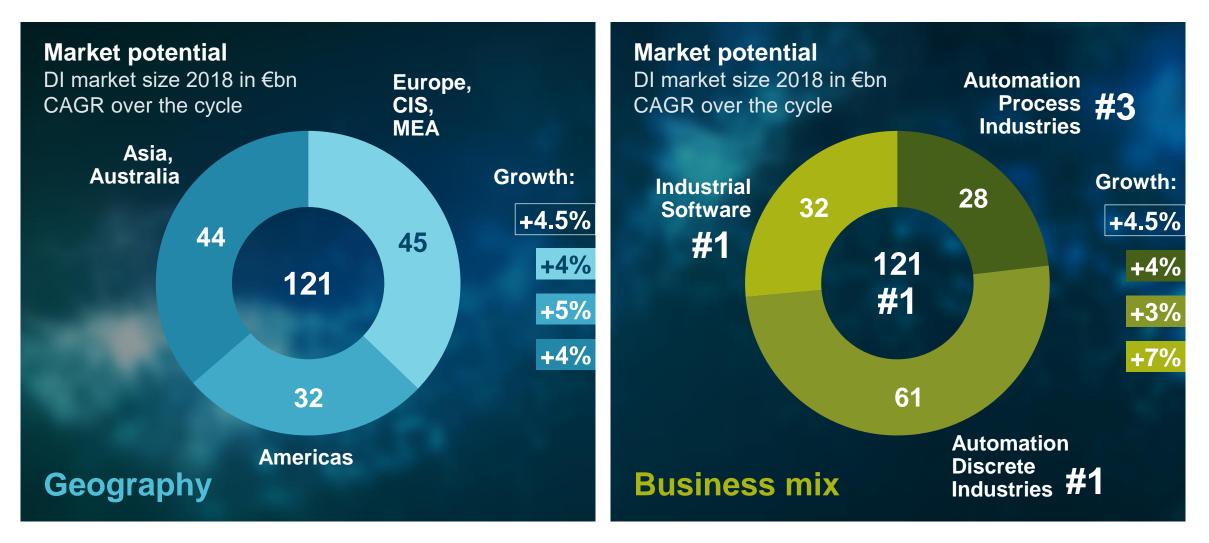


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Focused on fast-growing end-markets



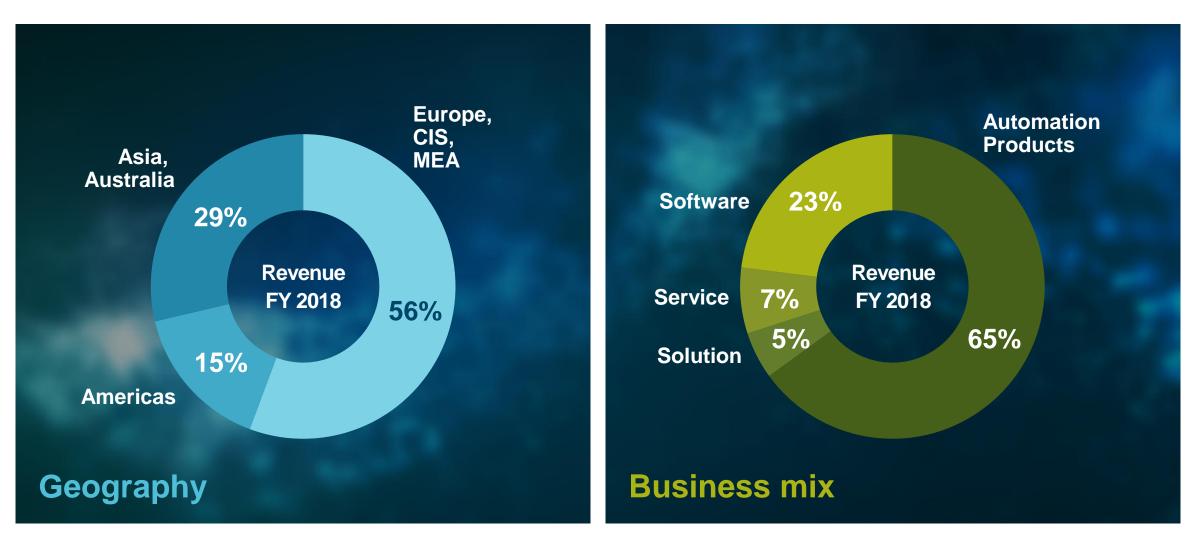


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Achieve growth across businesses and regions to further increase resilience



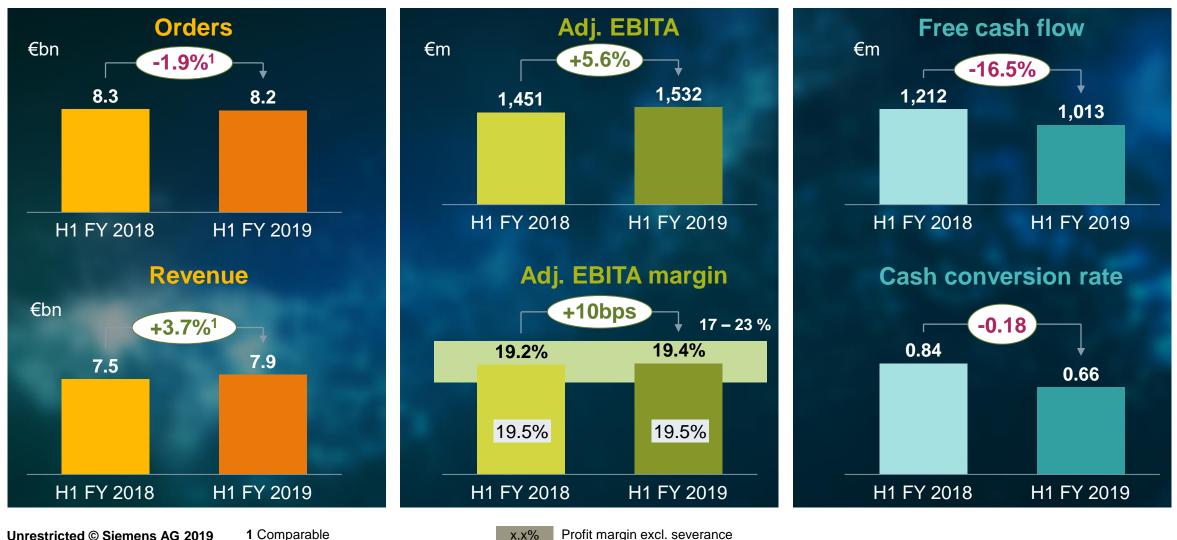


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DI Q2 results show continued proven financial performance





Profit margin excl. severance x.x%

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Vision2020+ fosters entrepreneurial focus to maximize customer value and profitable growth for DI





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Consumer demands and technological development increase challenges for industries



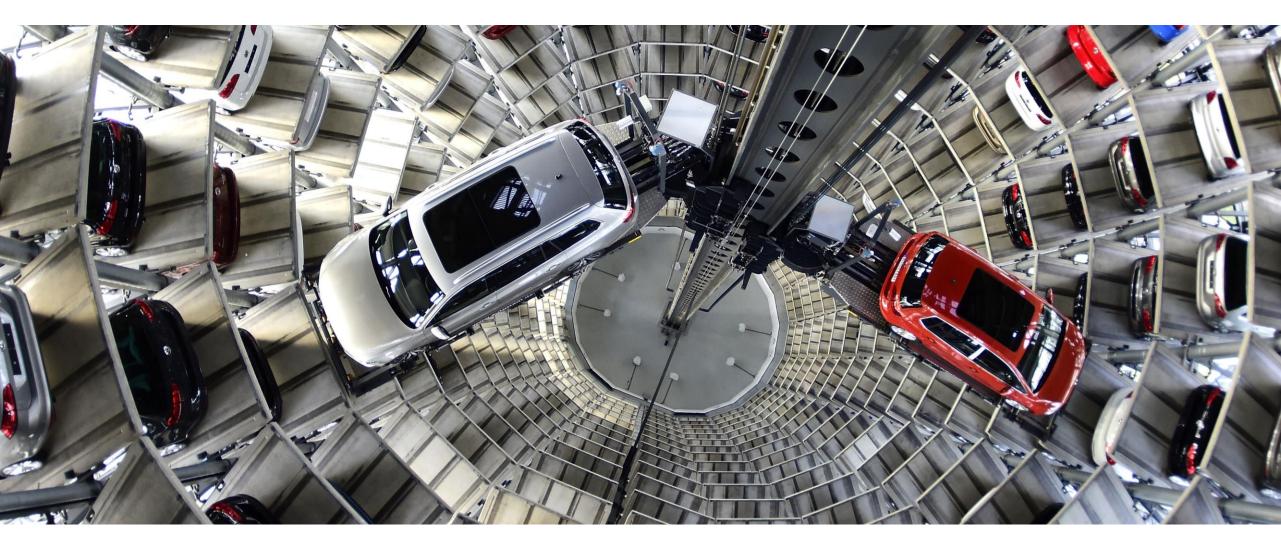


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Example automotive





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Example automotive



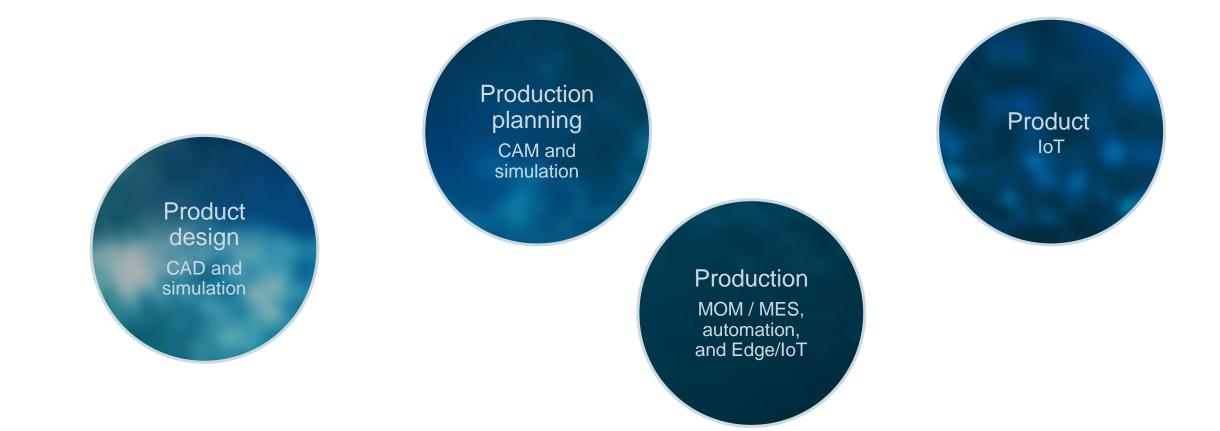
Connectivity Platform sharing Safety Battery development Customization Variety of powertrain concepts Autonomous driving Battery production Regulatory pressures Modularity

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Powerful automation platforms and industrial software already provide first-level benefits





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Maximum benefit of Digital Enterprise is leveraged only through integration of the entire value chain

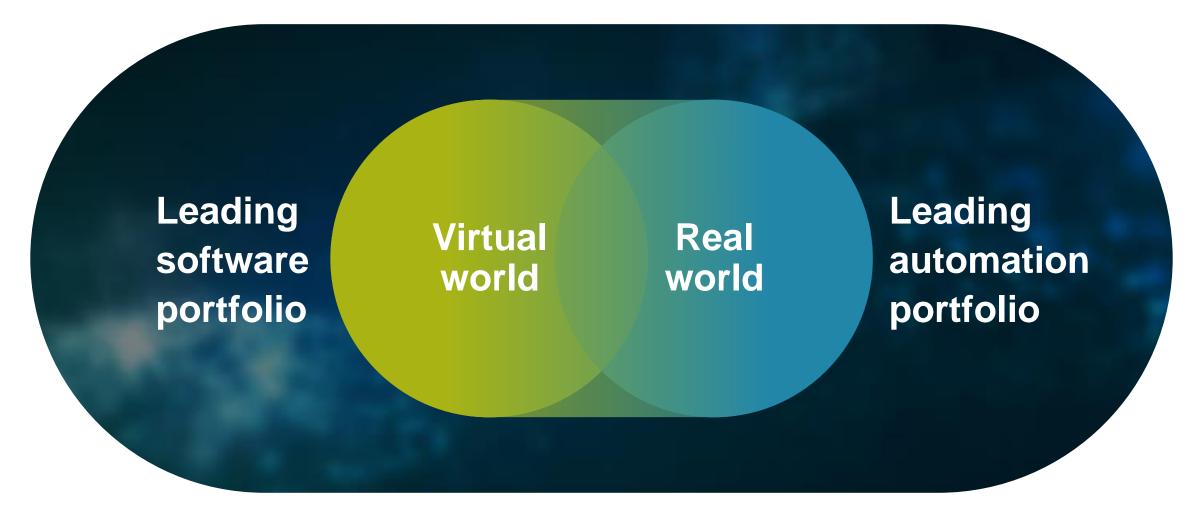




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Digital Enterprise provides unique competitive advantage to customers by integrating virtual and real worlds





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Systematic expansion of our portfolio: >€10bn invested in M&A since 2007



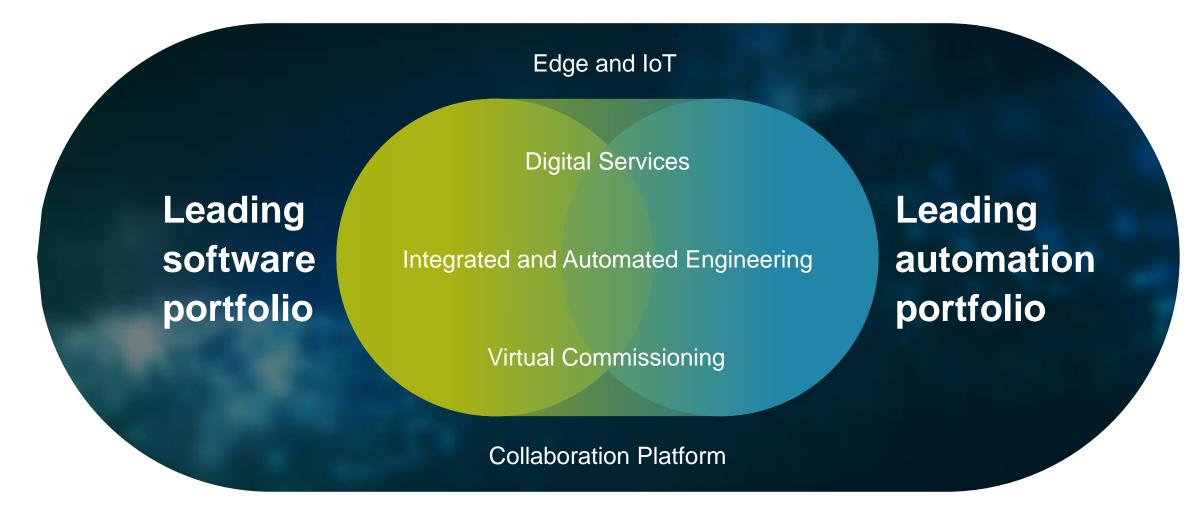


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Innovations through integration of software and automation, based on deep domain know-how



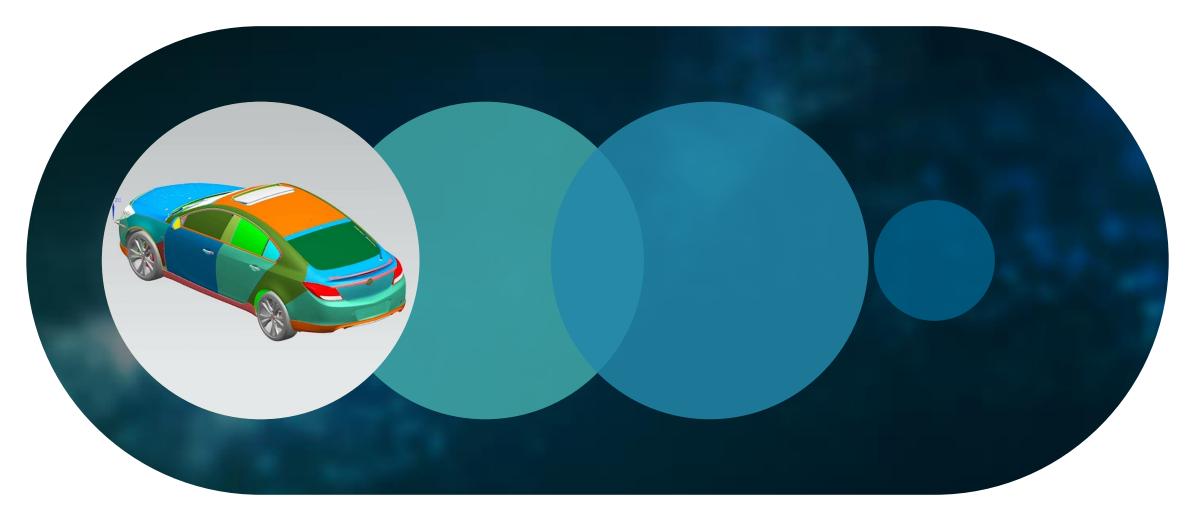


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The Digital Twin of the product reduces time to market





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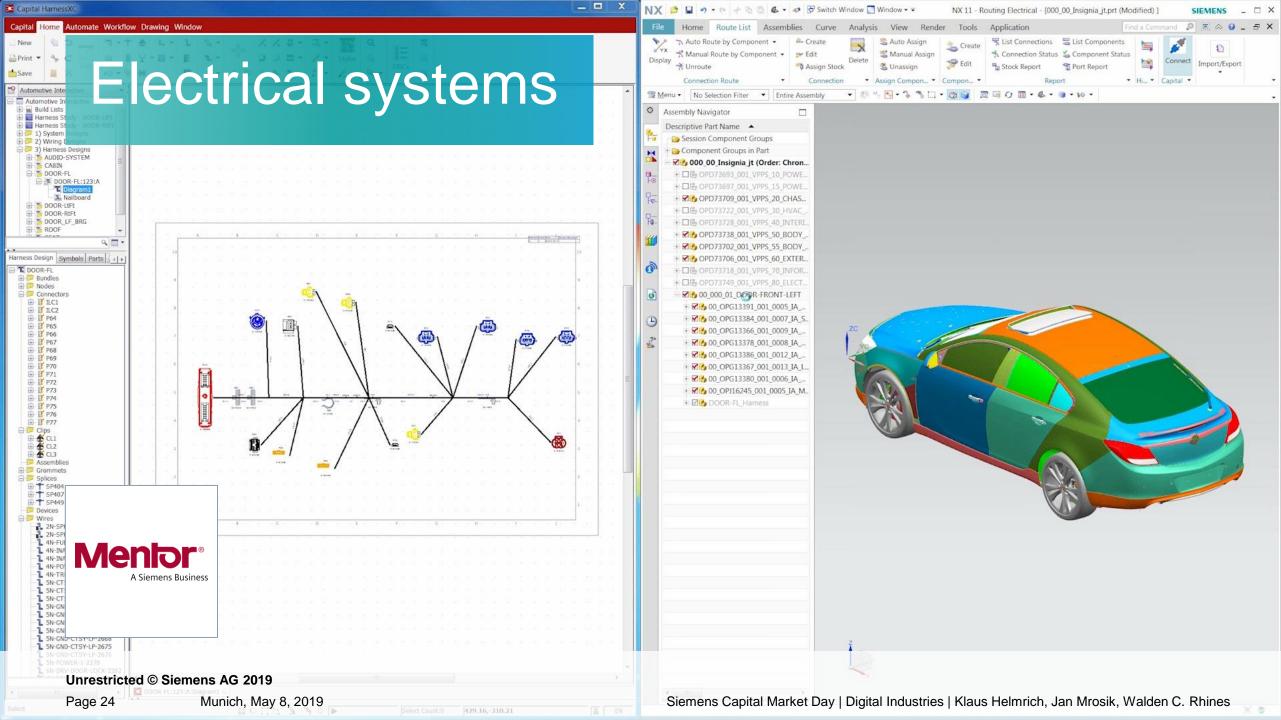
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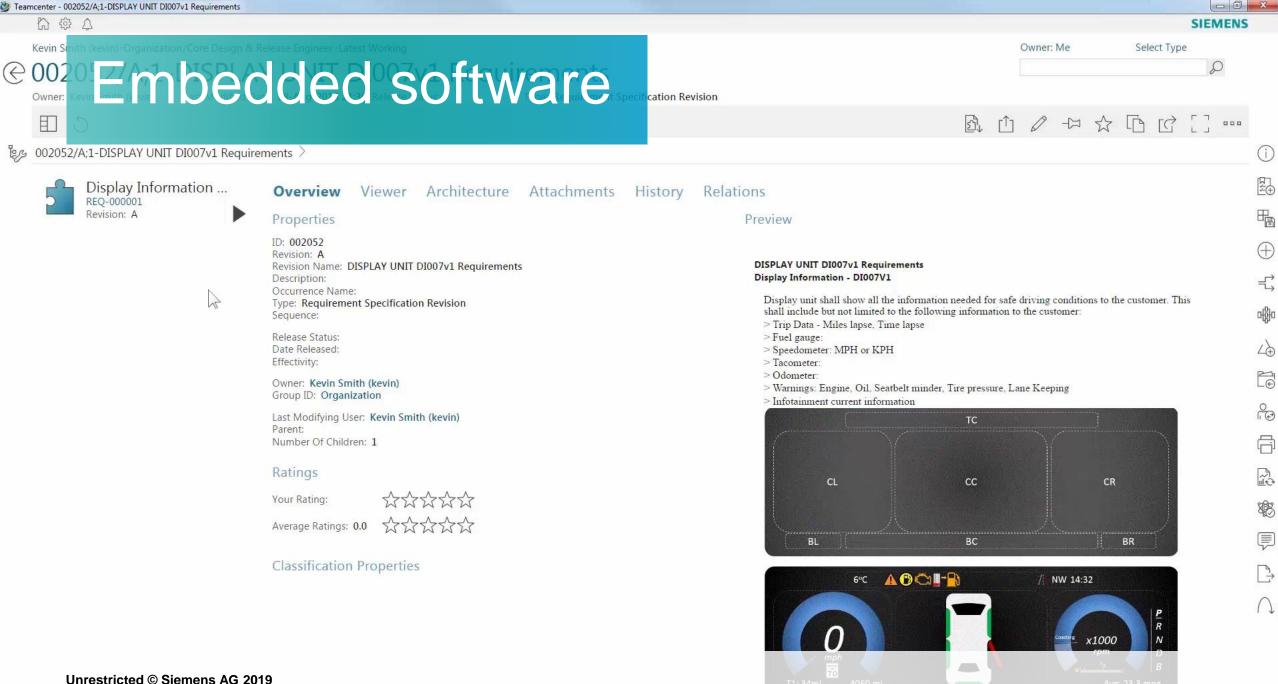
Mechanics and multi-physics

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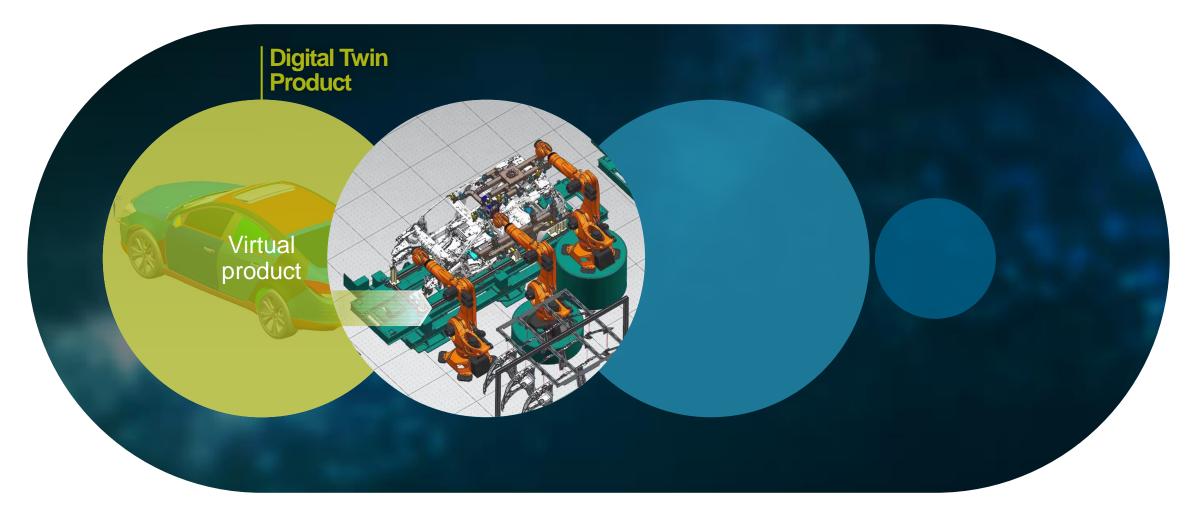




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The Digital Twin of the production accelerates planning, setup, and optimization



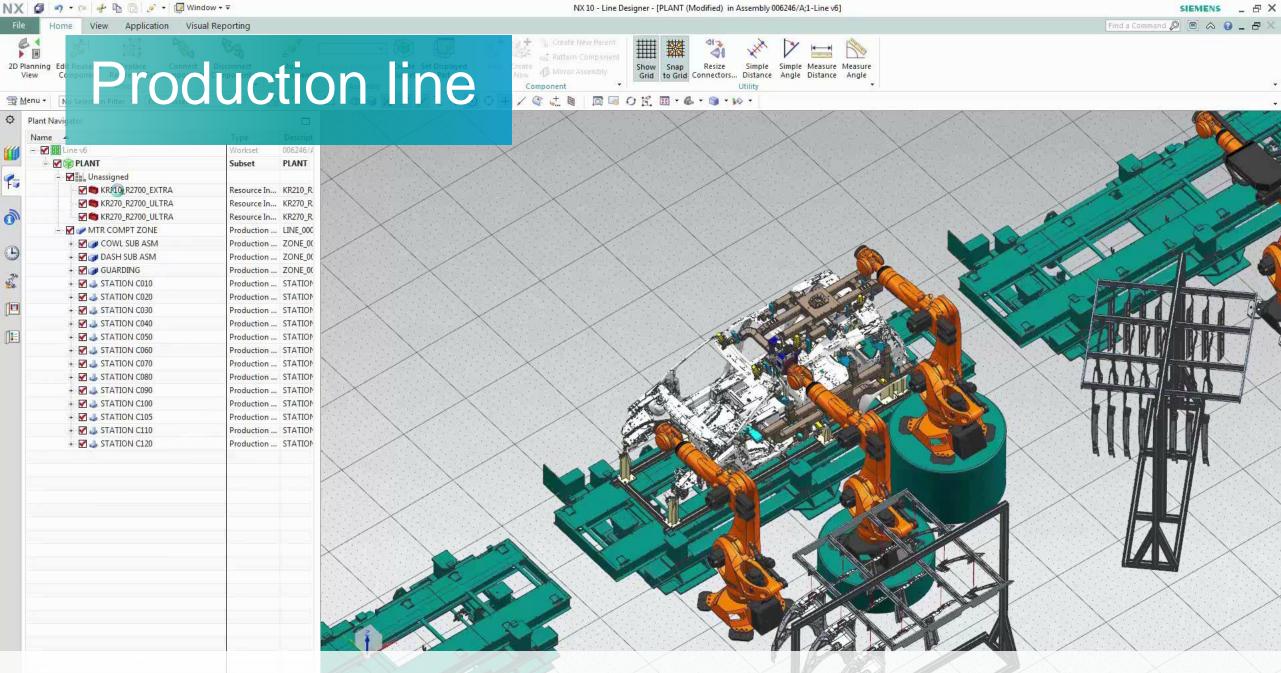


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Production process

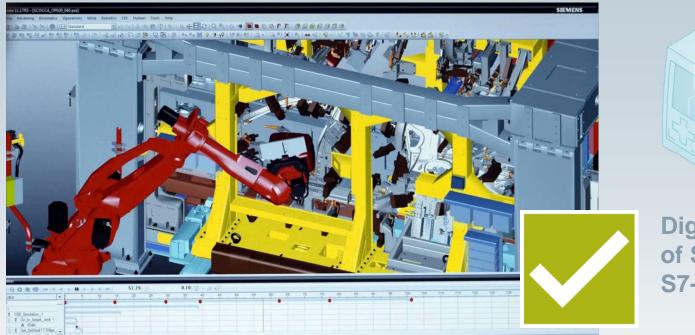
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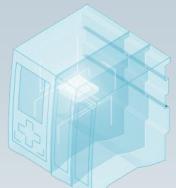


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Entire factory

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Digital Twin of SIMATIC S7-1500

Virtual Commissioning

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SIMATIC S7-1500



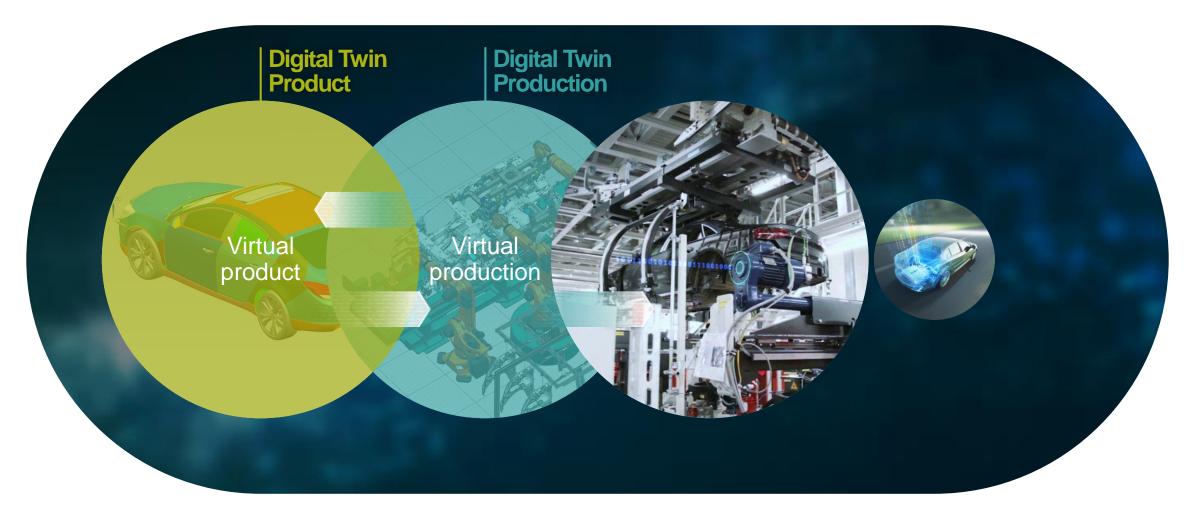
Real Commissioning

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Holistic automation portfolio increases productivity on the shop floor





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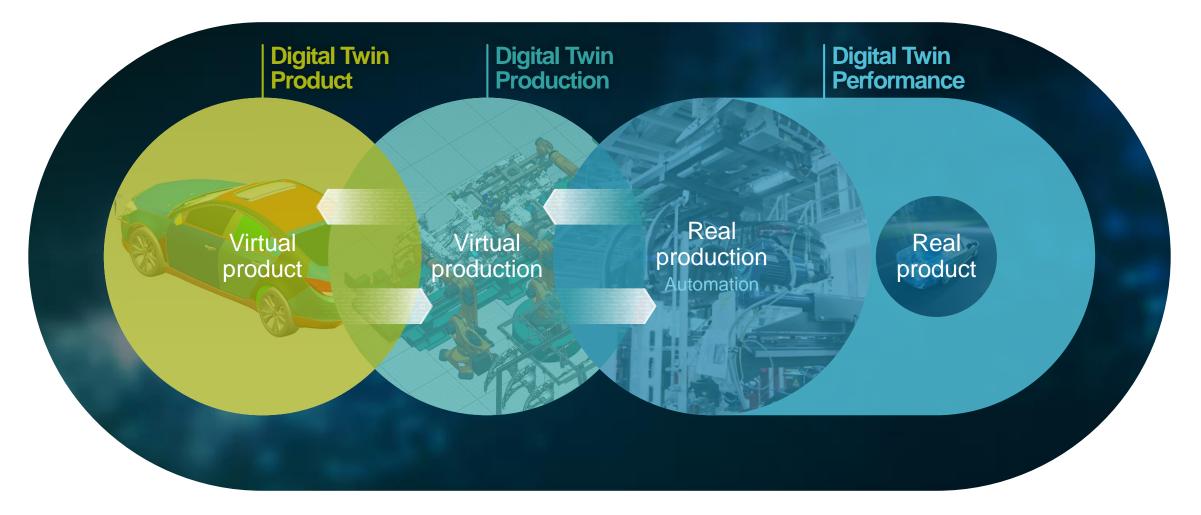
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Real production

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The Digital Twin of the performance enables continuous analysis of both product and production

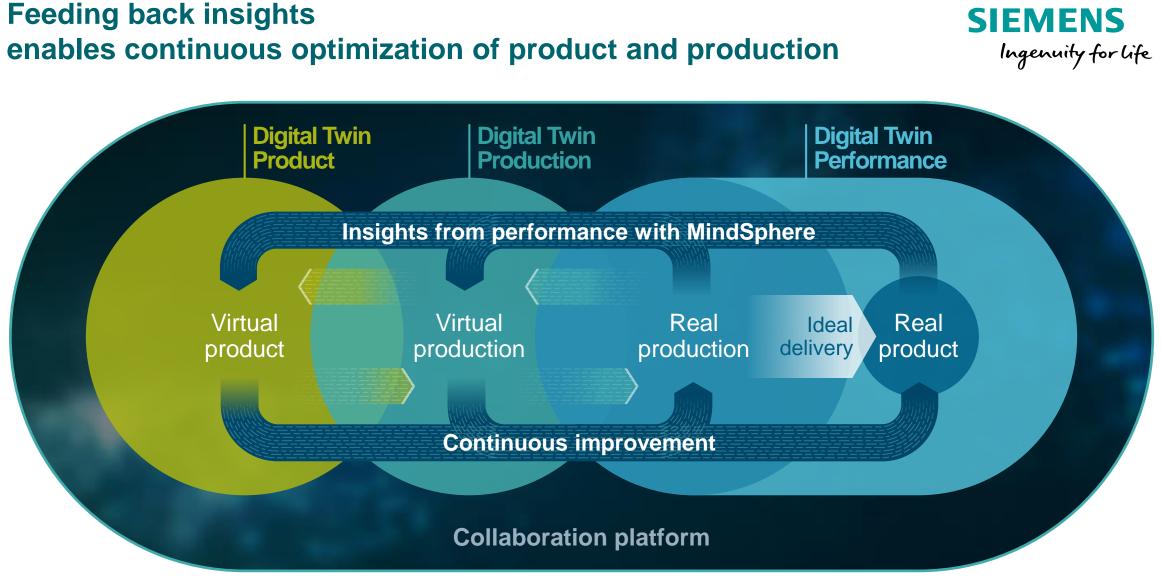




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Internet of Things

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Industrial Security

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Mentor, a pioneer in Electronic Design Automation and a natural expansion for Siemens Digital Industries Software





Critical design software is used to create the world's electronic systems.

Comprehensive product portfolios address all levels – from integrated circuit to electronic systems.

- One of top 3 Electronic Design Automation companies
- Global footprint as part of Siemens organization
- 6,500 employees worldwide

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Mentor integration brings synergies to existing customers and opens opportunities to create value for new customers

Design



Integrated Systems Design



Best-in-class interoperability for integrating electrical assemblies into mechanical environments. Product integration of Mentor Xpedition and Siemens NX and Teamcenter executed in active sales campaign.

Electronic Systems

Integrated Circuit Design



Cypress Semiconductor demonstrates value of using Mentor verification & Siemens ALM software together.

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Mentor's expertise in integrated circuit design and verification adds significant value to Siemens' software offering





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Siemens follows through on initial investment commitments, and our customers react positively





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50000 productivity gain designing 10M gate video decoder



Source: NVIDIA white paper (go.mentor.com/4N9cP)

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Fewer re-spins and improved quality through automated system synchronization



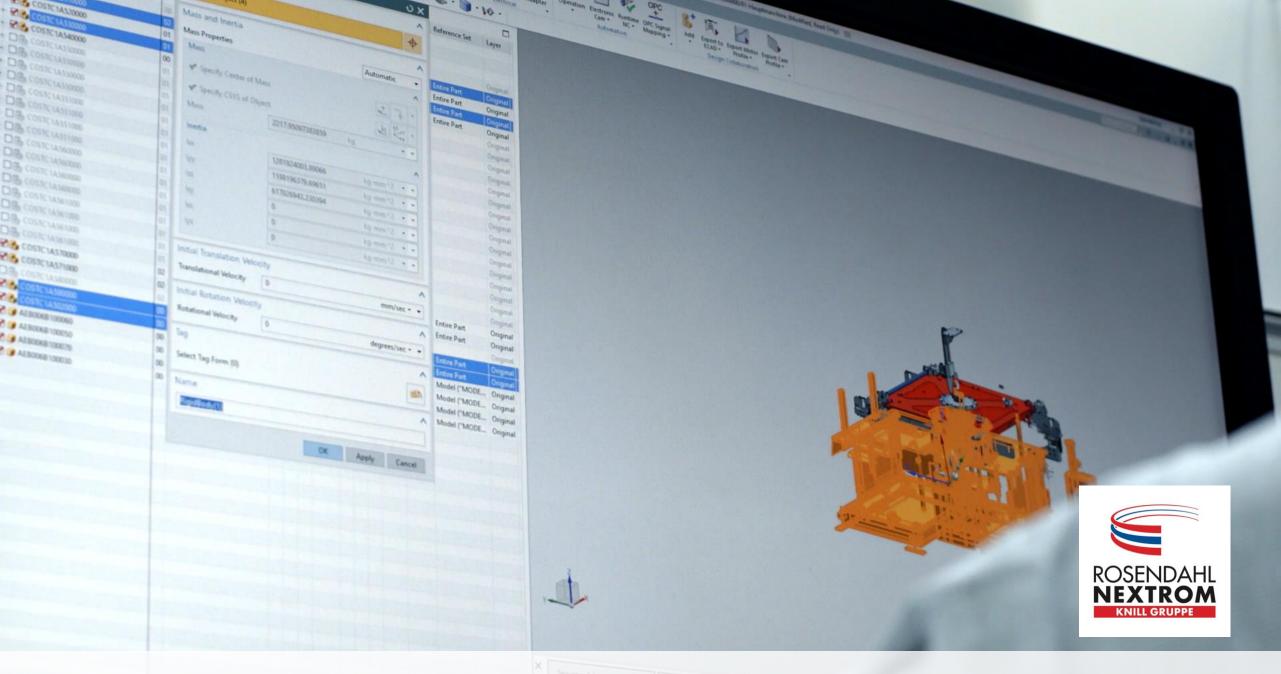
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We achieve a totally new level of output, quality, and performance. None of this would be possible without a digitalized and digitally controlled workflow in the factory.

Siegfried Altmann CEO Rosendahl Nextrom GmbH



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50% shorter development time

25% higher production output



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Reduced engineering time by 1/3

Reduced commissioning times by 500%



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>50% Iess time from testing to paint production

8X faster production process Reduced batch size from 5,000 from 100

Dulux[•]

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Examples from Siemens factories – automation and digitalization lead to greater flexibility and productivity



More flexible automation (Erlangen)

Fully automated electronics production line with handling robots



Reduction of manual efforts by 80%

Artificial intelligence (Karlsruhe) Intelligent planning: asset optimization and greater delivery reliability



>50% more
accurate demand
forecasting

Edge Computing (Amberg) Quality control via algorithm: higher output



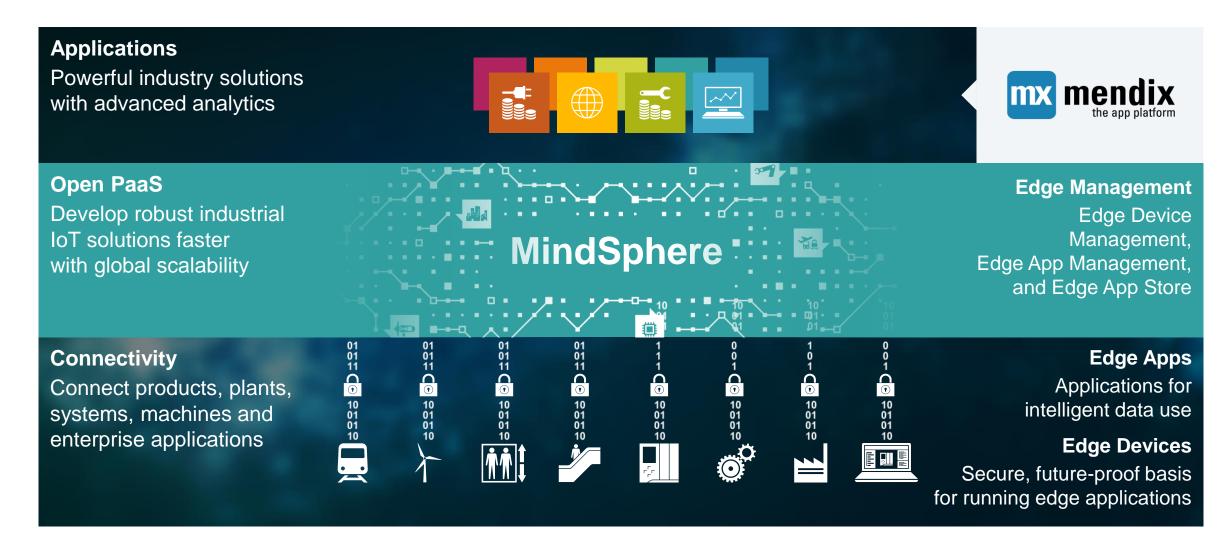
30% reduction in x-ray inspection for PCBs

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Our IoT operating system MindSphere – enhanced by Edge and Mendix low code app development





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Using our track record to expand end-to-end domain reach



Process Industries

Hybrid Industries

Discrete Industries



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Profitable growth sustained by cost optimization program of €320m in addition to base productivity





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Ingenuity for life

Cash Management initiative ensures cash conversion rate of 1 – growth rate over the cycle





Key measures

- 33% of DI senior management bonus linked to DI CCR
- Measures in execution to address central and regionspecific optimization
- Continuous improvement of turns up to 0.2 in operating working capital planned

Total supply chain (inventory reduction 2% to 5% p.a)

Drop Shipment piloted in the US, creating leaner supply chain and resulting in reduction of local inventories by 20%; further rollout planned

Digital Inventory Management improves inventory efficiency in Source and Deliver through data analytics

Order to Cash

Continued focus on Overdue Receivables to remain at a very low level(> 90 days <4%)

Implementing digital twin of order management process will further optimize days sales outstanding (DSO)

Purchase to pay (improve turn rate 5% p.a)

Extending payment terms of suppliers, e.g. using external Financing solutions without recourse to Siemens

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Driving a high-performance culture ensures profitable growth



Passion for industry and high performance culture	 DI targets cascaded to all senior managers Frequent employee engagement pulse checks 50% of employees with company for 10+ years
New competencies and new way of thinking through Mergers & Acquisitions	 7,500 people successfully integrated over last three years 98% talent retention after acquisitions
Systematic succession planning for key functions with focus on diversity	 Continuous pipelining for level 1+2 leadership Pool of >1,000 participants from selective leadership excellence and development programs

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We deliver flexibility and productivity, resulting in customer wins and awards





* Exemplary selection

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DI global management team kickoff Munich, March 11-12, 2019



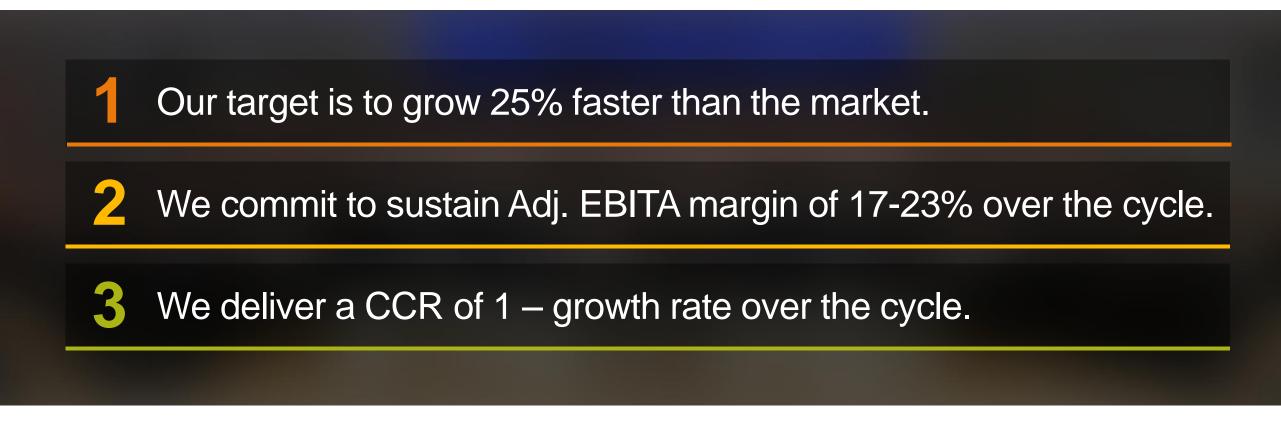


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Commitment of global leadership team





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