

**The Siemens answer to
Industrie 4.0 requirements**

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Driving the Digital Enterprise – with the Digital Enterprise Software Suite

The Siemens answer to Industrie 4.0 requirements

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Digital Enterprise Software Suite

Discover the Siemens answer to Industrie 4.0 requirements

The business of customers is more and more impacted by the Internet.

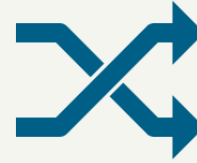
End customers are increasingly able to tell their manufactures directly - via the net - exactly what they want and when. Alternatives can often be found easily and potential business can be lost quickly.

Manufacturers need to respond with significant reduction in their time to market, with massively improved flexibility to enable individualized mass production and all that at reduced energy and resource consumption.



Reducing the time to market

Shorter innovation cycles
More complex products



Enhancing flexibility

Individualized mass production
Volatile markets



Increasing quality

Closed loop quality process
Traceability and integrated genealogy



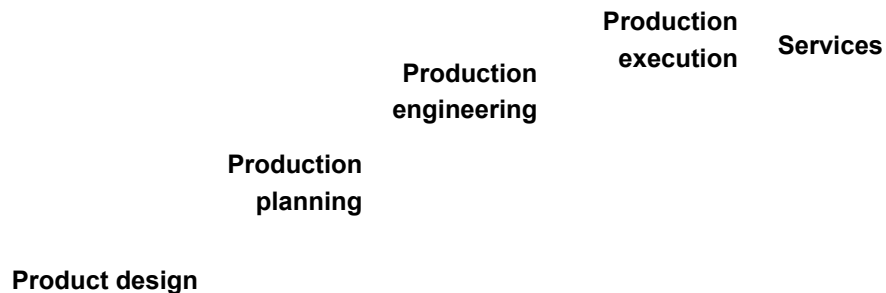
Increasing efficiency

Energy and resource efficiency as key competitive factors

Solutions to address these challenges are developed by initiatives better known under buzz words like the Internet of Things and Industrie 4.0.

Holistic approach to optimize the entire value chain

By simply focusing on the automation of manufacturing processes, it is not possible to meet the mentioned requirements. A holistic approach, stretching over the complete value-add chain and of course, including suppliers, is necessary.

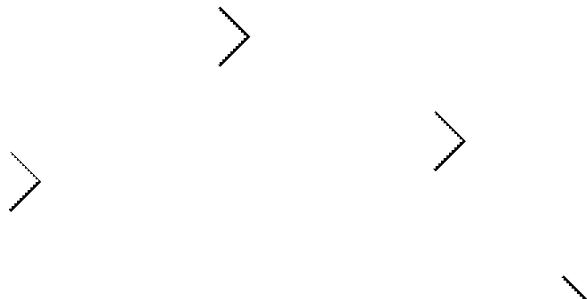


The manufacturing industry has definitely entered the stage where the automation of their complete workflow is the only way to ensure a long-term defendable competitive position.

Digital Enterprise Software Suite

Over the past 15 years, Siemens has developed an extensive suite of software products and is now in a position to offer its customers a holistic automation solution covering all major Industrie 4.0 requirements - the Digital Enterprise Software Suite.

The back-bone of the Digital Enterprise Software Suite is Teamcenter, our collaborative product data management platform.



Digital Enterprise Software Suite – comprehensive suite of Siemens Industry Software

The Siemens product portfolio already smoothly connects major parts of the product and production lifecycle today. Powerful Product Lifecycle Management (PLM) software, for example, allows the development and optimization of new products on an entirely virtual basis. In the real manufacturing world the Totally Integrated Automation (TIA) concept, which has proven its worth for about 20 years now, ensures the efficient interoperability of all automation components. The Totally Integrated Automation Portal (TIA Portal), for example, already enables significant time and cost savings in engineering.

The Siemens way to the Digital Enterprise

To start realizing the Digital Enterprise today, Siemens focuses on four core elements: Digital Enterprise Software Suite, Industrial Communication, Industrial Security and Industry Services.

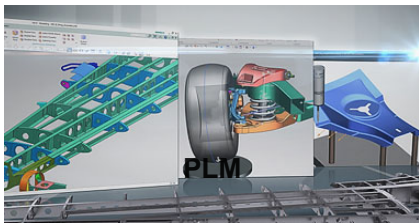
**Digital Enterprise
Software Suite**

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Anton S. Huber on the Digital Enterprise



Interview with the CEO of the Siemens Digital Factory Division. Contribution to the magazine "advance" 01/2015

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Partner for a sustainable transition to Industrie 4.0



Interview with Dr. Bernhard Quendt, CTO Digital Factory Division, Siemens AG – published in the "advance" magazine 02/2015

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Security note

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions only form one element of such a concept. For more information about industrial security, please visit > www.siemens.com/industrialsecurity

