



Digitalization changes everything

Digital is the main reason just over half of the companies on the Fortune 500 have disappeared since the year 2000.

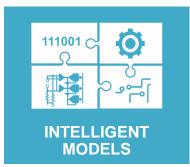
Pierre Nanterme, CEO Accenture

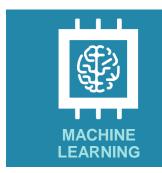
Technological forces transforming industry



Changing the way products come to life Changing the way products are realized Changing the way products evolve





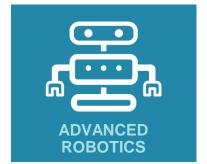










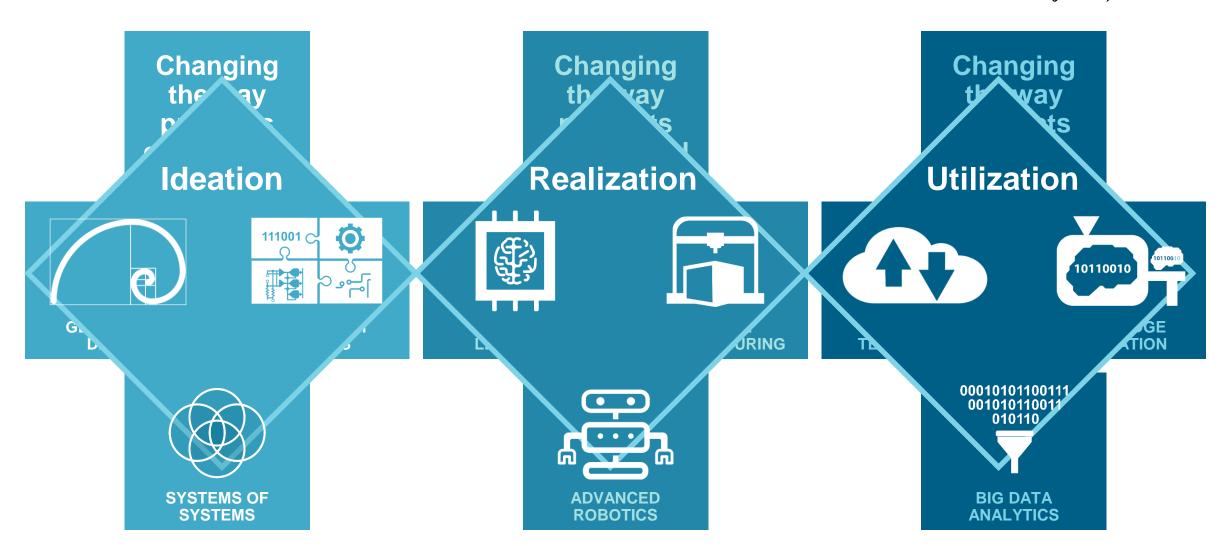




Unrestricted © Siemens AG 2017

Manufacturers must embrace the technologies and transform their business into a Digital Enterprise



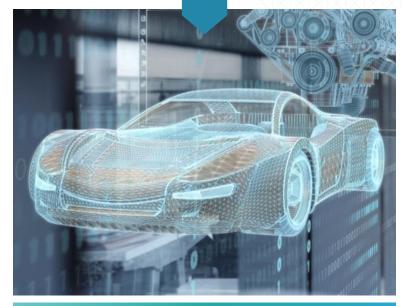


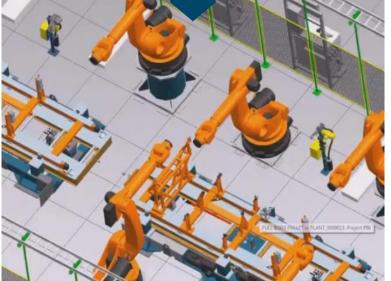
Digital Twin





feed back insights to continuously optimize product and production



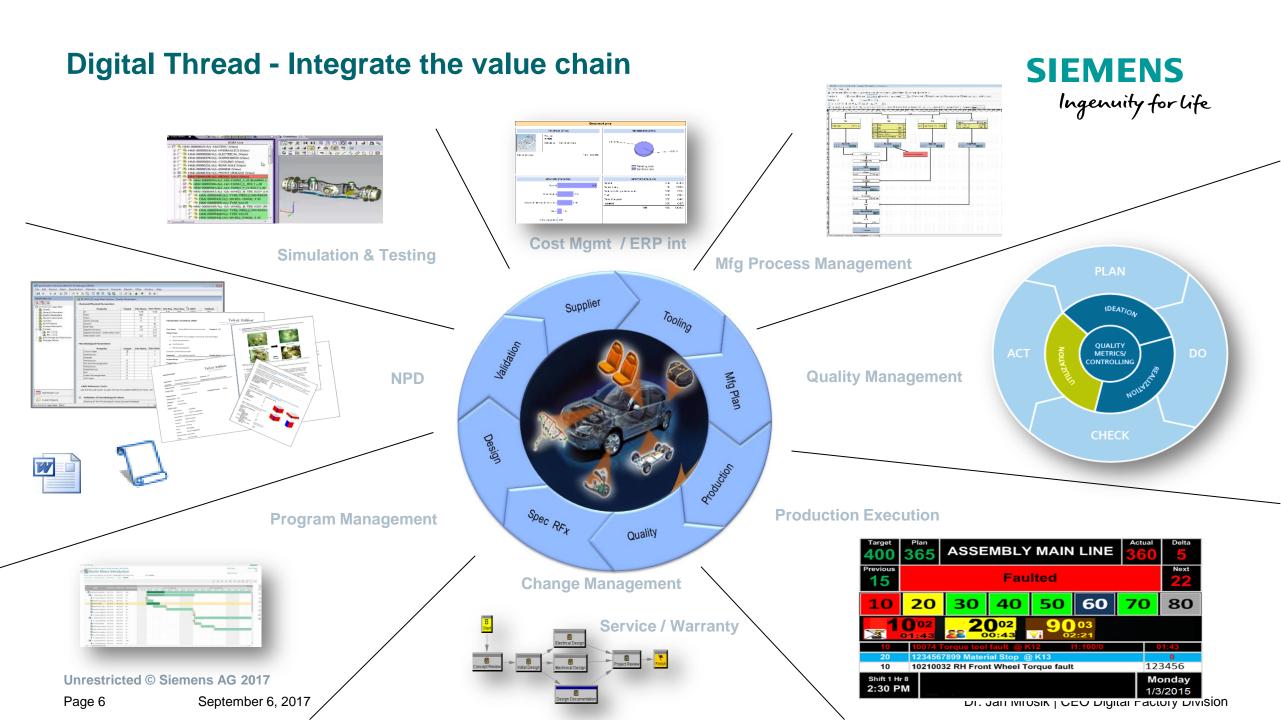




Digital Twin of the product

Digital Twin of the production

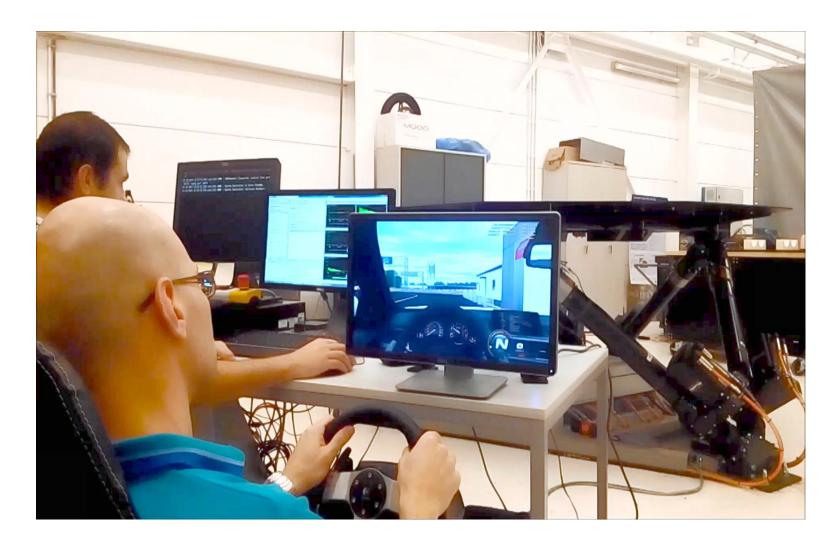
Digital Twin of the performance





Model Based Systems Engineering

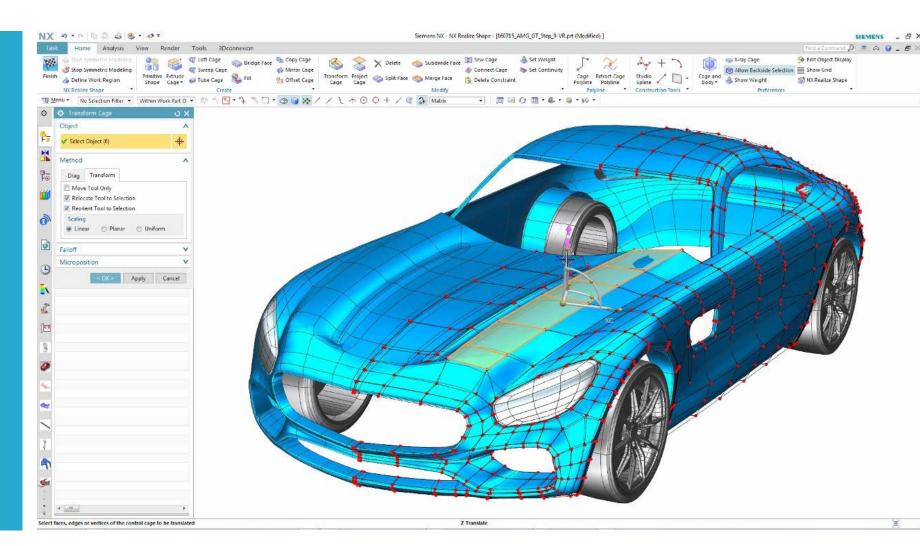
Simcenter



SIEMENS Ingenuity for life

Design the product NX CAD

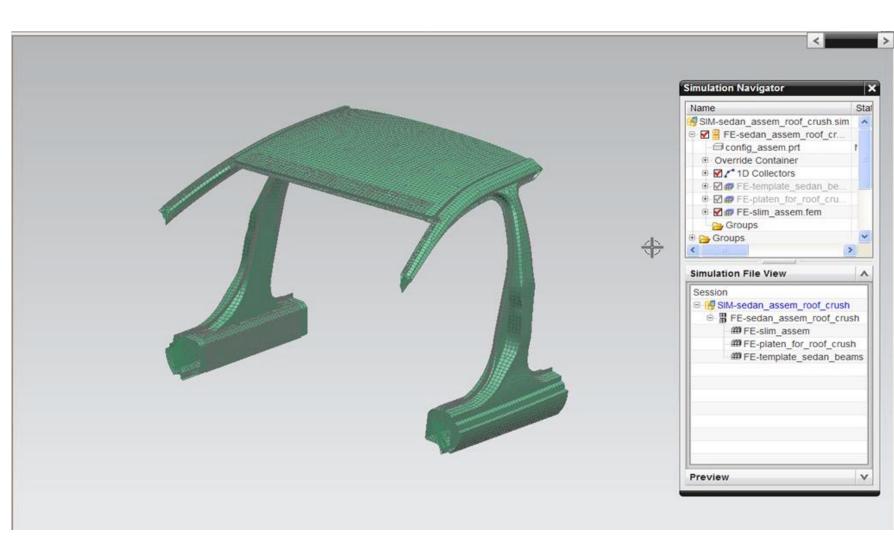
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Simulate the physical behavior

Simcenter

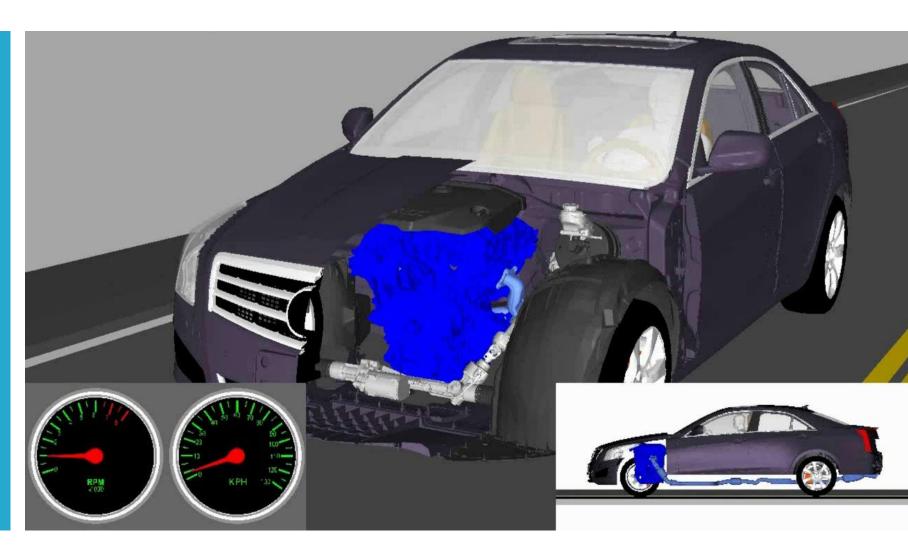




Simulate the product

Simcenter

1 2 3 3 4 5

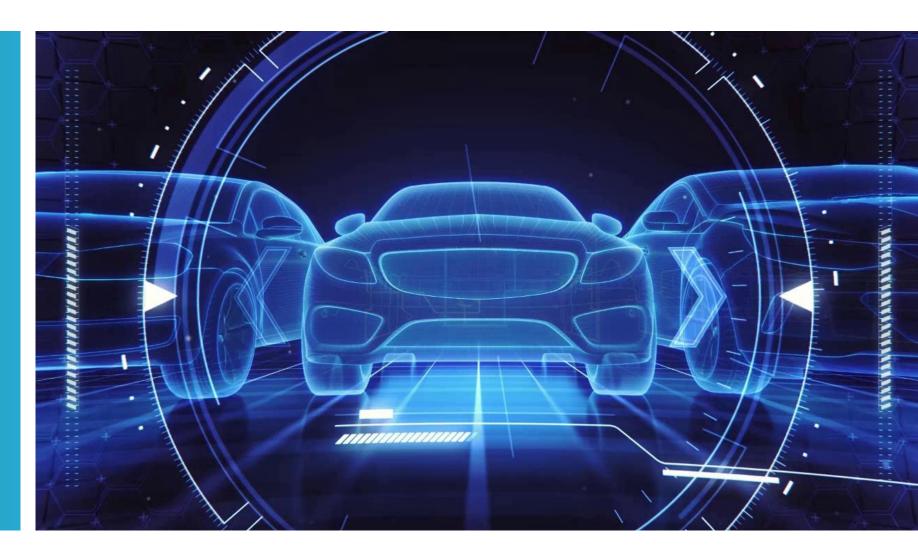




Design and simulate electronic systems

Mentor Graphics

1 2 3 3 4 5





Simulate complex traffic scenarios to validate systems for autonomous driving

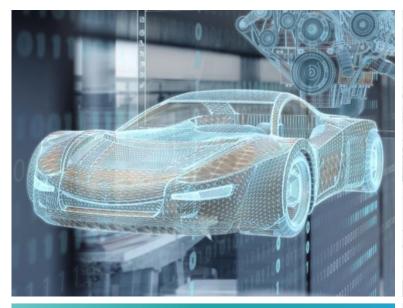
PreScan (TASS International)

1 2 3 3 4 5



Digital Twin









Digital Twin of the product

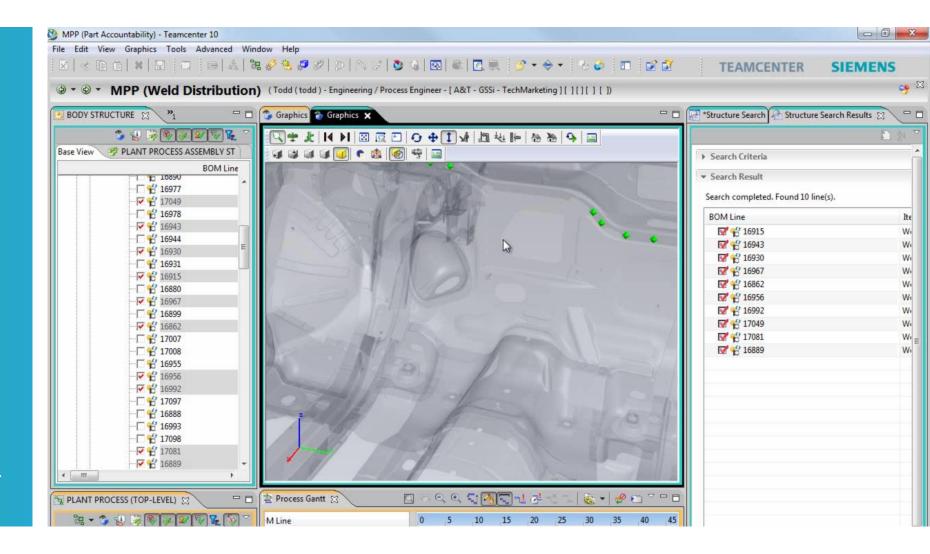
Digital Twin of the production

Digital Twin of the performance



Plan your production process

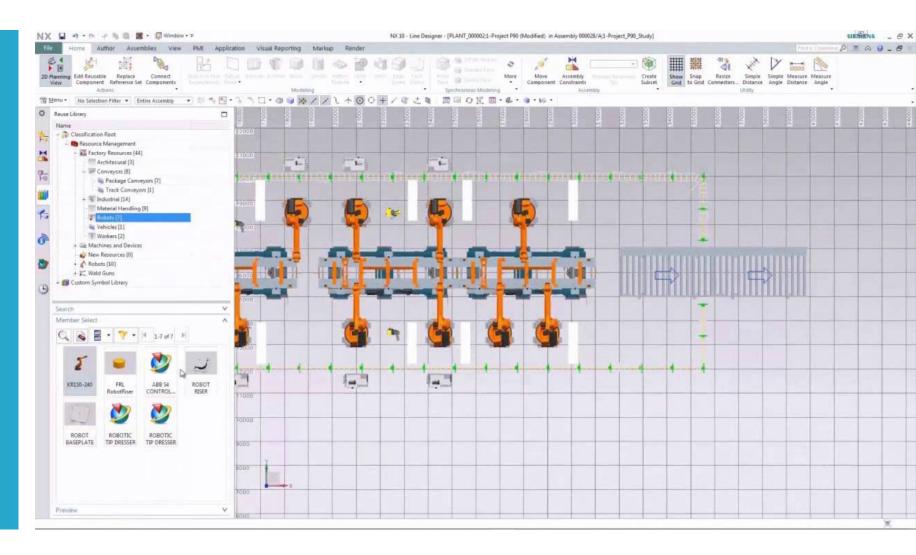
Teamcenter Manufacturing





Create the layout and select the equipment

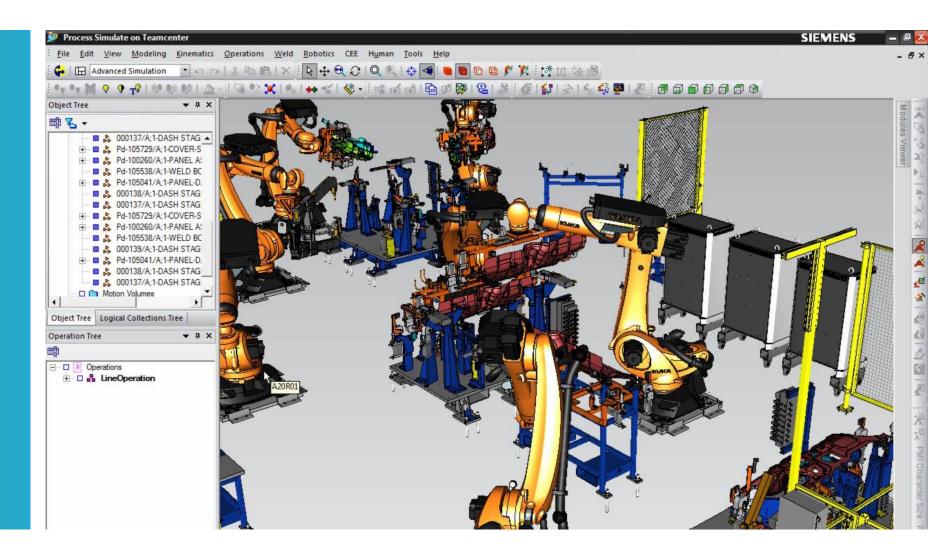
Line Designer





Simulate and optimize your production process

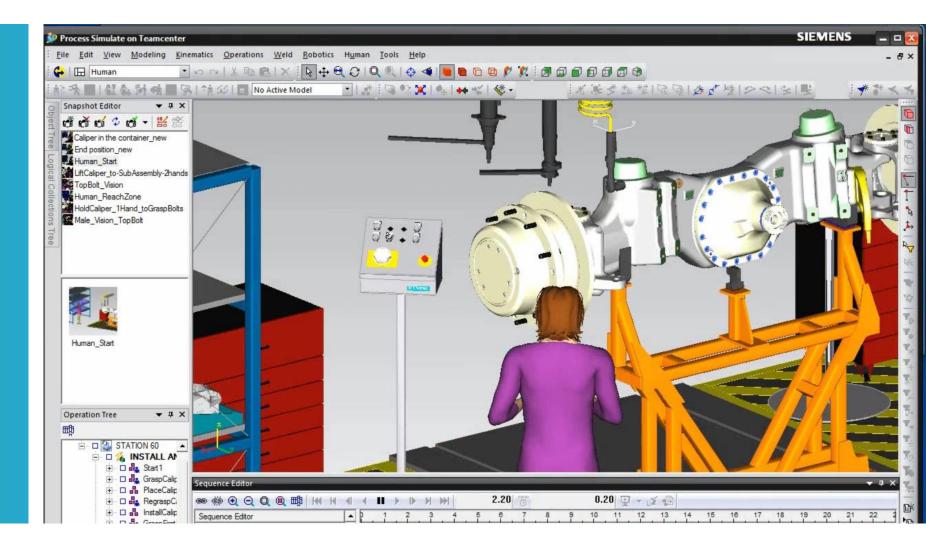
Tecnomatix Process Simulate





Simulate working conditions for humans

Tecnomatix
Process Simulate



Production engineering



Fast and efficient engineering and commissioning

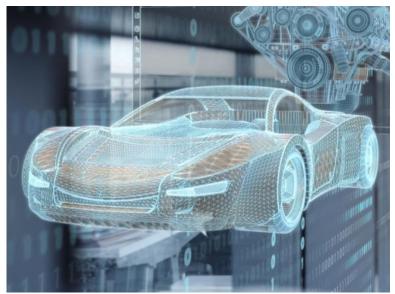
Totally Integrated Automation Portal

>1 >2 >3 >4 >5



Creating the most holistic Digital Twin available on the market









Digital Twin of the product

Digital Twin of the production

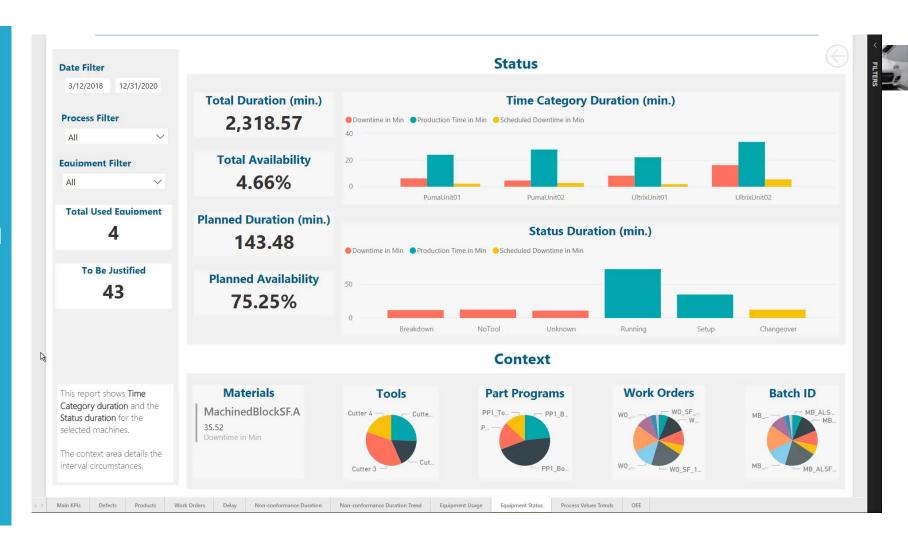
Digital Twin of the performance

Production execution



Schedule and process work operations, run quality inspection operations

SIMATIC IT, Camstar,

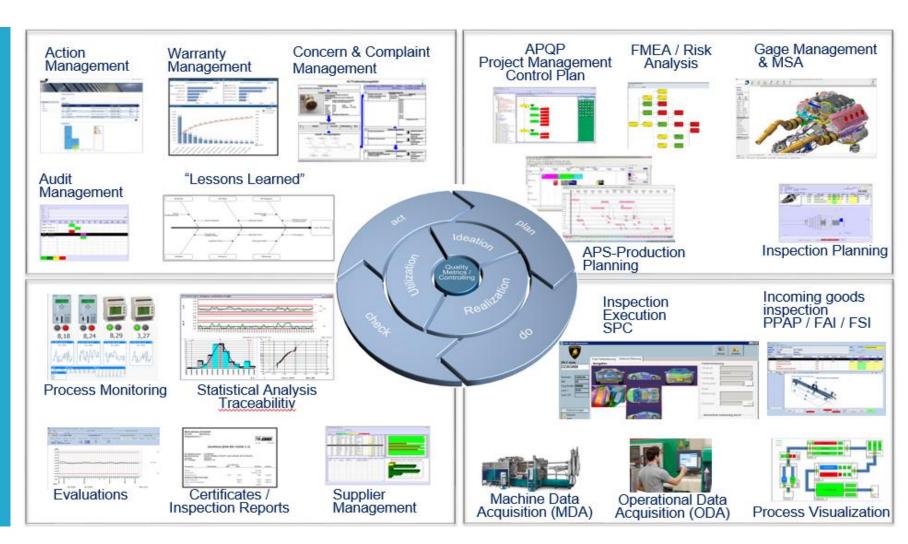


Quality Management System



Schedule and process work operations, run quality inspection operations

SIMATIC IT, Camstar,



Production execution



Efficient and secure production with TIA

SIMATIC, SINUMERIK, SIMOTION, SIMOTICS, SINAMICS and SIRIUS



Production execution



Holistic security offering

Defense-in-Depth concept

- Plant security
- Network security
- System integrity
- Plant security services



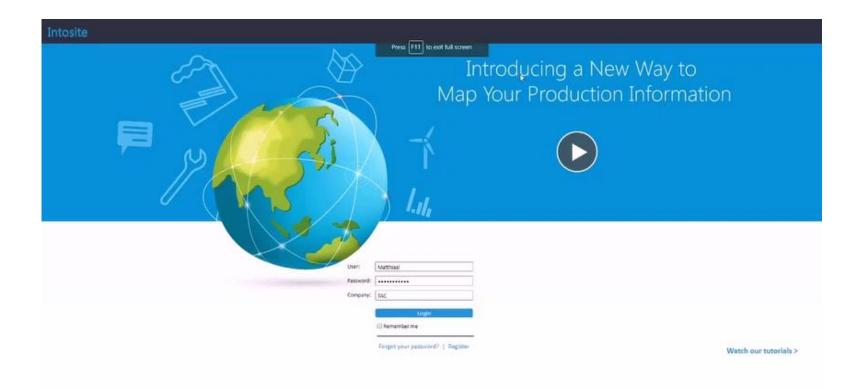
Smart Factory



Let your products and your production speak to you

MindSphere – the cloud-based, open IoT operating system

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Our customers have essential requirements – throughout the manufacturing industry





Digital Twins at Every Step are Connected Through a Digital Thread **SIEMENS**

Ingenuity for life





Thank You