

Global company with a strong regional footprint – Active in more than 200 countries



€86,5bn

Orders

€79.6bn

Revenue

351,000

Employees

One of the world's largest producers of energy-efficient, resource-saving technologies

Among the top 10 largest software companies worldwide

World leader in the field of automation

All figures refer to continuing operations (as of 30. September 2016)

130 years history in Japan



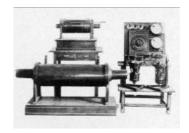


1887: Established Tokyo office





Pointer telegraph presented to Tokugawa-Bakuhu



1898: First X-ray equipment in Japan



1902: Enoshima-dentetsu













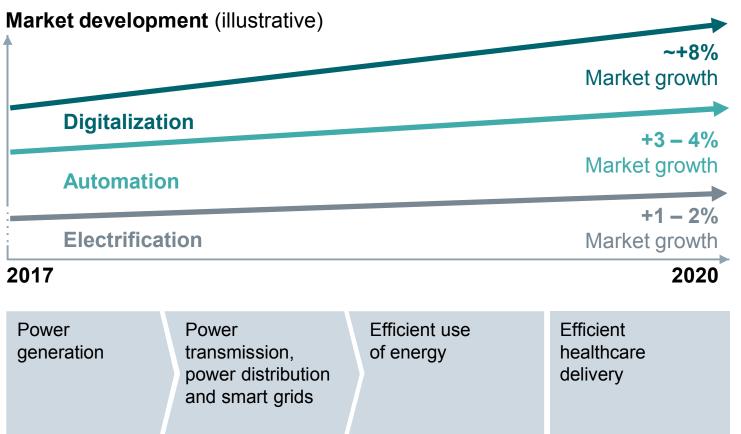


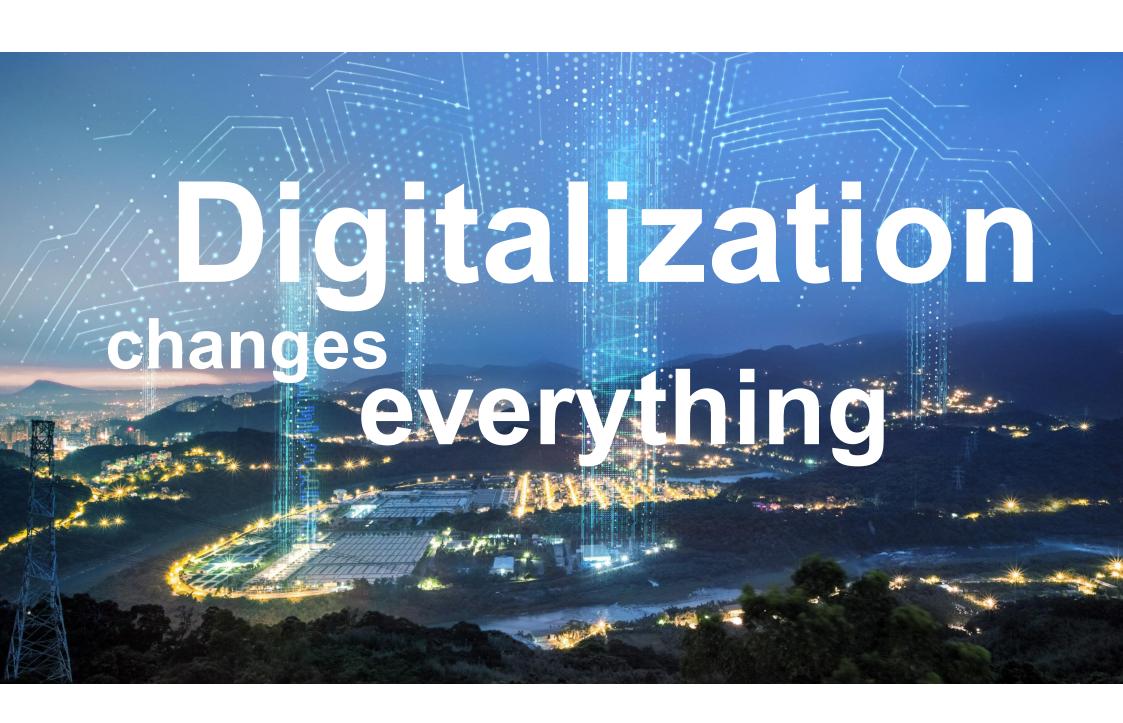


Vision 2020 is our strategy – And our answer to changing environments



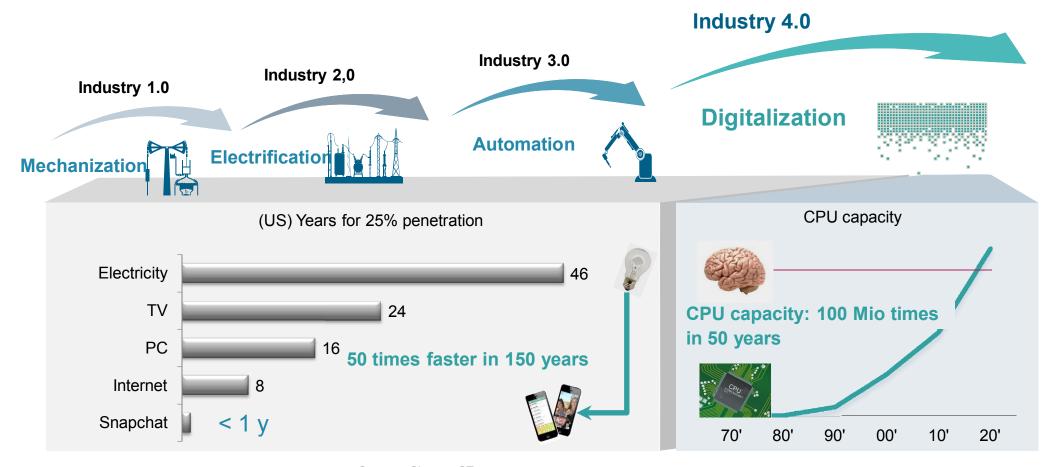






Incredibly rapidly changing business infrastructure





Customer demand for individual products in smaller batch sizes and greater variety leads to digitalization ...



... in the food/beverage and consumer goods industries – individual packaging –





... in medicine

drug formulas tailored to the patient –

... in the auto industry

freely selectableoptions –





... even the complete home

planned and built to customer specifications -

Challenges for manufacturing industries which can be solved only with the Power of Digitalization



Industry trends

Efficiency



- Resource and energy efficiency
- Demanded product/quantity

• ...

Flexibility



- Individualized mass production
- Volatile markets
- ...

Quality



- Closed-loop quality
- Traceability
- ...

Time-to-market



- Fast innovation
- More complex products
- Lifecycle Management
- ...

Security

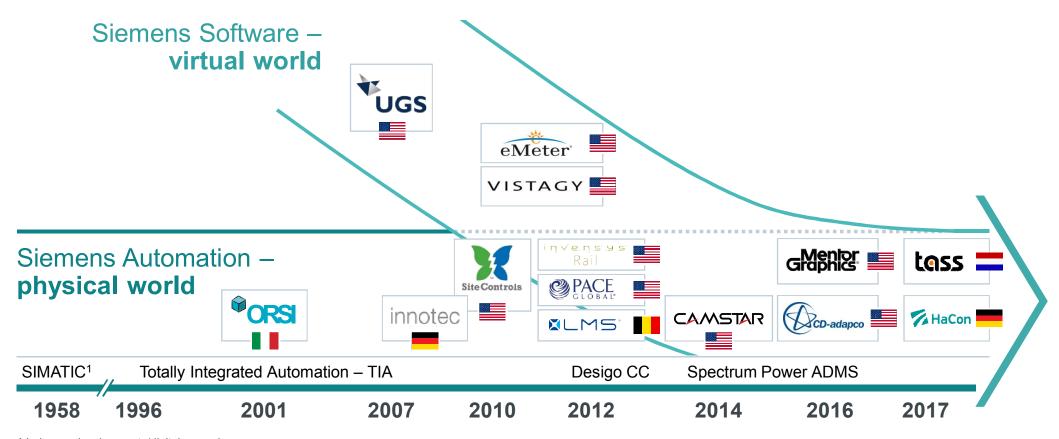




HSSE - Health & Safety | Environment | Regulations/Standard | ...

Long-standing #1 position in automation – Now combined with the power of Siemens Software

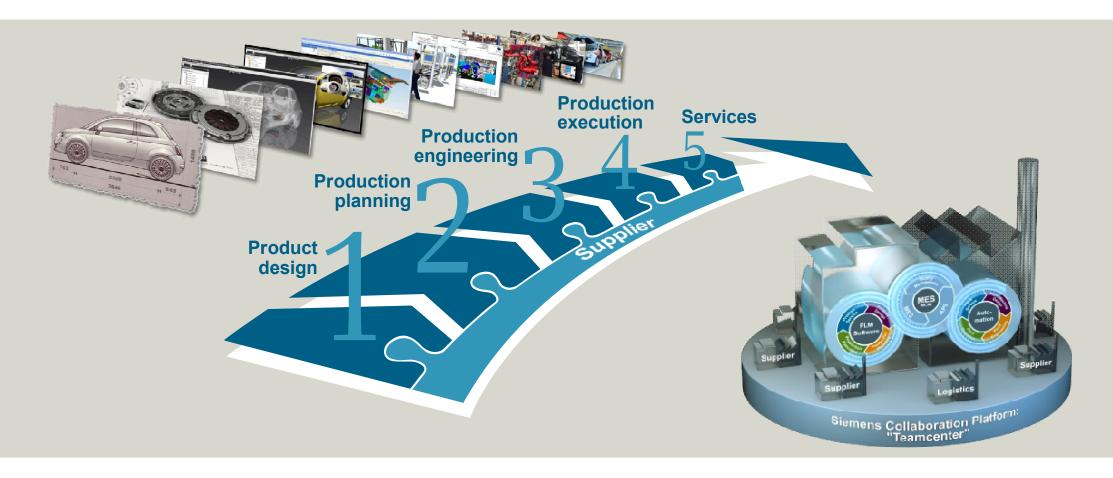




¹ In-house developments/digital upgrades

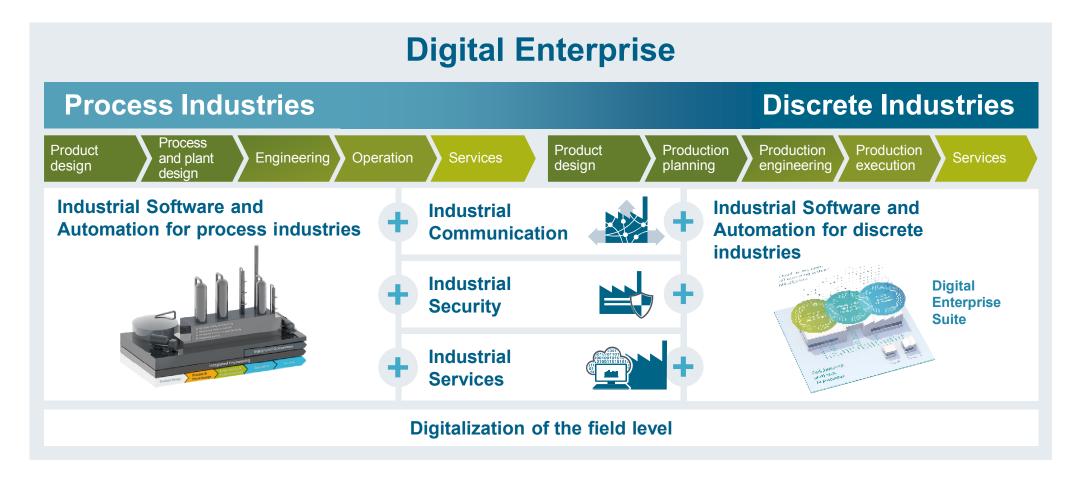
Only a holistic approach improving all processes along the entire value chain will fulfill the targets





Digital Enterprise is our portfolio of solutions for the digital transformation – in both discrete industry and process industry

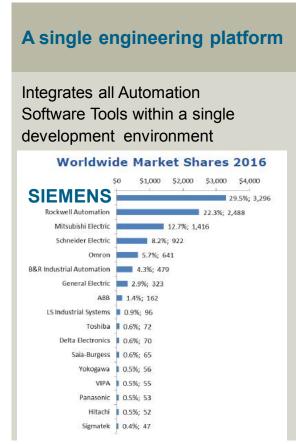


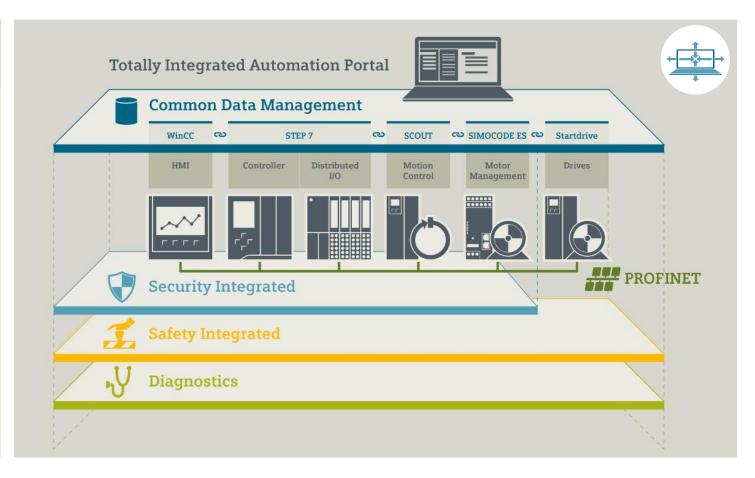


Totally Integrated Automation (TIA)

SIEMENS Ingenuity for life

Global #1 market share for PLC and PLC based PAC

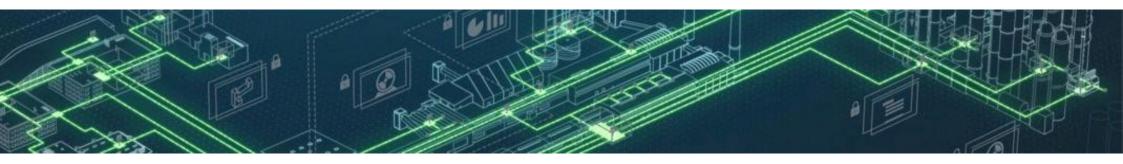




Source) ARC

Driving the Digital Enterprise – Industrial Communication





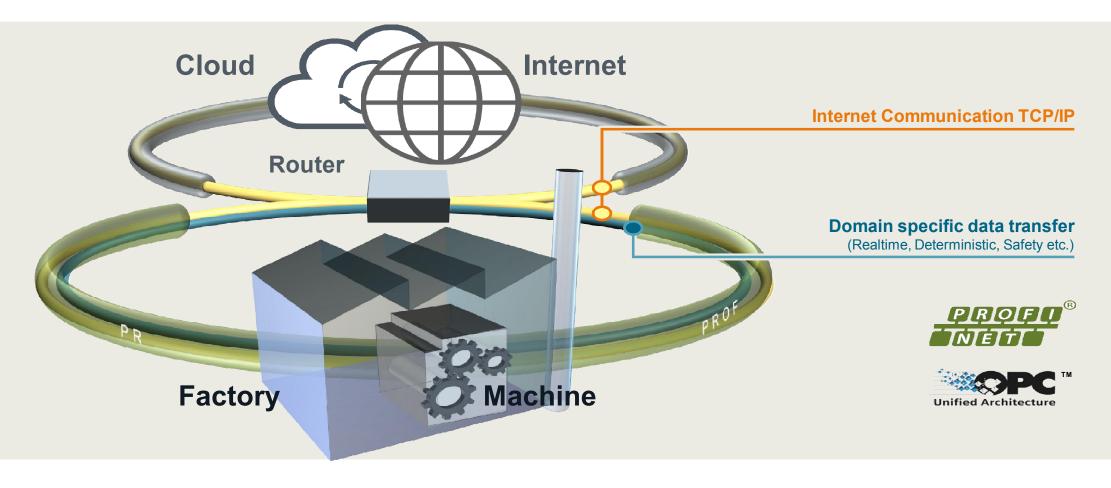


Industrial Communication

- Connecting all elements of the value chain through efficient networks based on proven standards
- Ensuring a fast and reliable horizontal and vertical data transfer
- Meeting the growing demands in production and logistics management through industrial identification

Communication and data transfer for digital factory TCP/IP, PROFINET and OPC UA over one cable

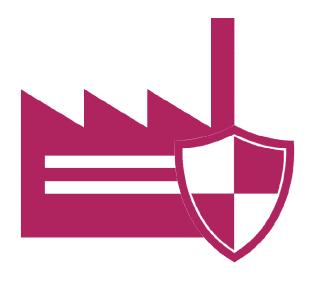




Driving the Digital Enterprise – Industrial Security







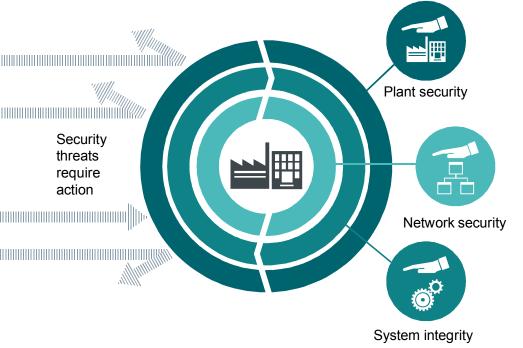
Industrial Security

- Protection of industrial plants from cyber attacks
- Productivity through in-depth defense concepts
- Network security and system integrity for plants

Digitalization requires maximum industrial security -Our cyber security portfolio







Siemens products and systems offer integrated security



Knowledge and copy protection User management



Firewalls and VPN

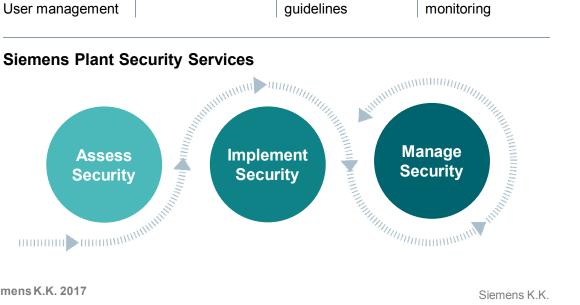


Physical protection Processes and quidelines



System improvements, Continuous monitoring

Siemens Plant Security Services



Certified security in the development process for Siemens automation products







2016-Aug-26

As the first company to receive TÜV SÜD certification based on IEC 62443-4-1 for the interdisciplinary process of developing Siemens automation and drive products, including industrial software, Siemens received the certification at seven development sites in Germany.

Siemens K.K.

Driving the Digital Enterprise – Industrial Services







Industrial Services

- Optimizing plant and machinery as well as energy and resource consumption
- Implementing smart service and support concepts
- Providing the basis for new, data-based service business models with MindSphere – the cloud-based, open operating system for the Internet of Things – from Siemens

Manufacturing IT Services – Increased productivity through transparency

Customer's drivers and goals

- Ensure and increase machine availability
- Avoid waste in production processes
- Ensure and increase quality, speed and productivity
- Reduce operating costs for the end customer

Ensure availability



Create sustainability



Reduce costs

Improve productivity





KPIs	Actual	Goal
Production time	100h	133h
Downtime	20h	17h
Machine not used	40h	34h

Manufacturing IT detects potentials for productivity improvements up to 30%

Siemens offering

- One-hand-solution including consulting, project management, training and production-related services

SIEMENS Ingenuity for life

Why Siemens?

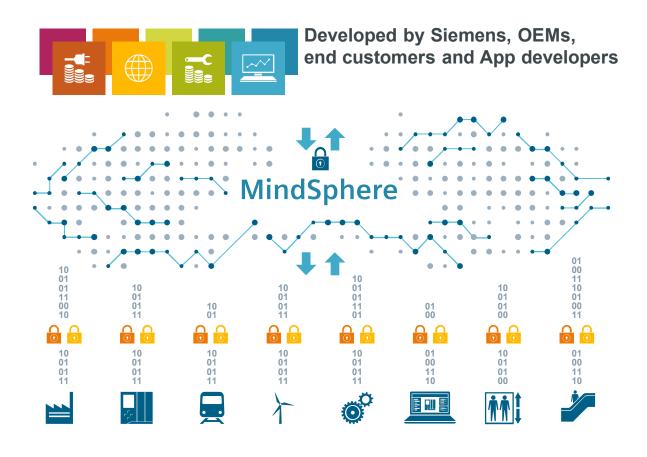
- Excellent control and IT know-how from one source
- Worldwide service availability
- Customized financing models (Siemens Financial Services)

References



MindSphere – the cloud-based, open IoT operating system offers a solid foundation for new, data-based business models





MindApps

- Asset transparency and analytical insights, e.g. predictive maintenance
- Subscription based pricing model
- Fleet management

MindSphere

- Open interface for development of customer specific apps (MindApps)
- Various cloud infrastructures: Public, private or on-premise

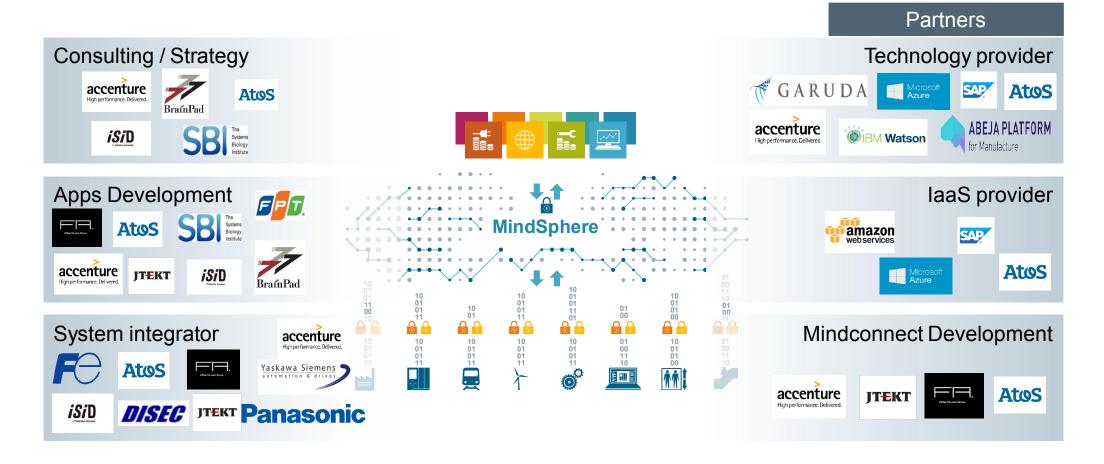
MindConnect

- Open standards (e.g. OPC UA) for connectivity (also to 3rd party products)
- Plug and play connection of Siemens products



MindSphere- Open Eco-system with strong partners





Siemens Automation Cooperates with Education (SCE): Globalize your Industrie 4.0 and IoT Education

SIEMENS Ingenuity for life

Courses for Teachers

- Customized and on-demand
- Convey practice-oriented automation knowledge
 - Vocational education: Syllabus-aligned
- Higher education: Technology-oriented
- Classroom courses with practical exercises

Trainer Packages

- For use in classes and laboratories
- > 80 pre-configured, low-cost hardware/ software packages from industrial products including accessories
- Can be purchased only for schools, universities and in-house vocational training departments



- Global education system originating from Germany
- Developed by Siemens, the technology leader in automation
- Aligned with Japanese initiatives to raise digital skills

World/National Skills

- WorldSkills promotes the quality of vocational education for > 60 years
- Siemens has been a Global Industry Partner and a Product Sponsor since 2010
- Siemens KK is exclusively supporting National Skill "Industrial Control" in Japan since 2016



Email: sce.jp@siemens.com

With our digital portfolio, we are supporting our customers in Japan to shape the digital transformation





Digitalization and co-creation are crucial for realizing Japan's vision of a digital future



Thank you