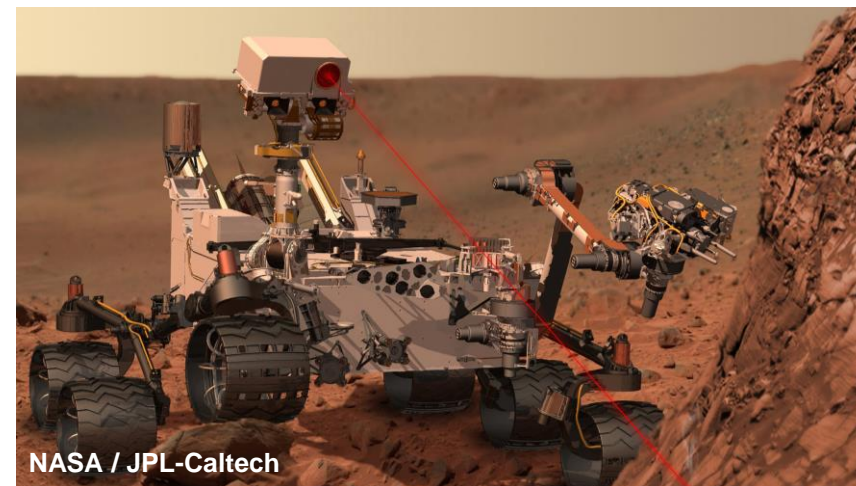


Innovation for the future

Industry 4.0 in practice, June 2, 2016
Janne Öhman, CEO, Siemens Osakeyhtiö

Current technology can be rocket science





Smart Factory Amberg

1000+

Teamcenter managed product variants shipped to

60.000+

customers worldwide each year

1 Million

monthly production of SIMATIC products

50 Million

process items entered in SIMATIC IT each day

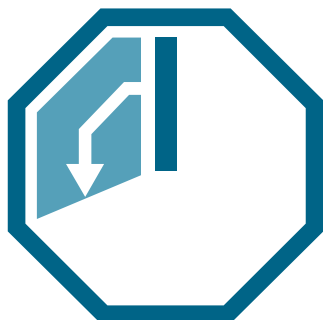
75%

automation level

11.5 dpm

99.9988% quality rate

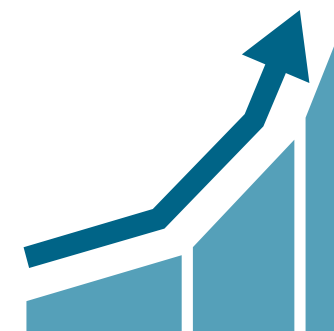
Digital transformation for a competitive edge



Reduce time to market
SHORTER INNOVATION
CYCLES
WITH MORE COMPLEX
PRODUCTS



Enhance flexibility
INDIVIDUALIZED
PRODUCTION
WITH HIGHER
PRODUCTIVITY



Increase efficiency
ENERGY AND RESOURCE
EFFICIENCY
WITH GLOBAL OPERATIONS

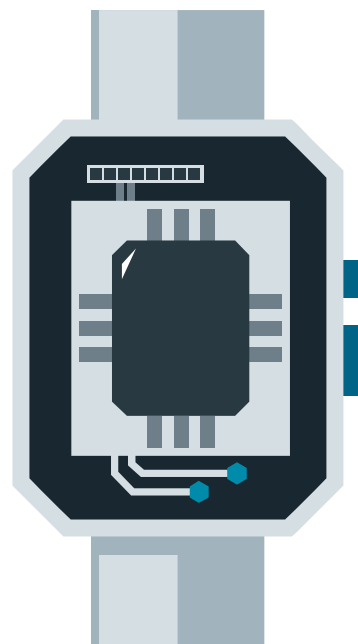
Key elements for future manufacturing

Individual requirements

RIGHT INFORMATION.
RIGHT TIME. RIGHT CONTEXT.
FLEXIBILITY.

Connectivity

CHAIN OF INFORMATION.
IOT CONNECTIONS
DATA ANALYTICS



Intelligent Production

SEAMLESS DATA FLOW
SMART DATA
CUSTOMIZED MASS
PRODUCTION

Digital twin

VIRTUAL PRODUCT.
REAL PRODUCTION.

Governments and industry realize the significance

Industry 4.0 – Opportunities and Challenges of the Industrial Internet

Our study shows how industrial companies can shape the digital transformation and unlock new opportunities for growth. A survey of five core industry sectors.



pwc

New business models based on digitalization


- By 2020, European Industrial companies will invest €140 billion annually in Industrial Internet applications
- In 5 years, more than 80% of companies will have digitalized their value chain
- Digitalized products and services generate approx. €110 billion of additional revenues per year for the European industry

"Industry 4.0 transforms the entire company and belongs to the CEO agenda"

Source: PriceWaterhouseCooper Report

Julkinen © Siemens Osakeyhtiö 2016. Kaikki oikeudet pidätetään.

Digitalization is changing the business environment



The products, business models and legacy positions that once gave companies their competitive edge are no longer secure.

MindSphere – Siemens Cloud for Industry offers a solid foundation for new ecosystems

SIEMENS

MindSphere – Siemens Cloud for Industry

MindApps*



by Siemens



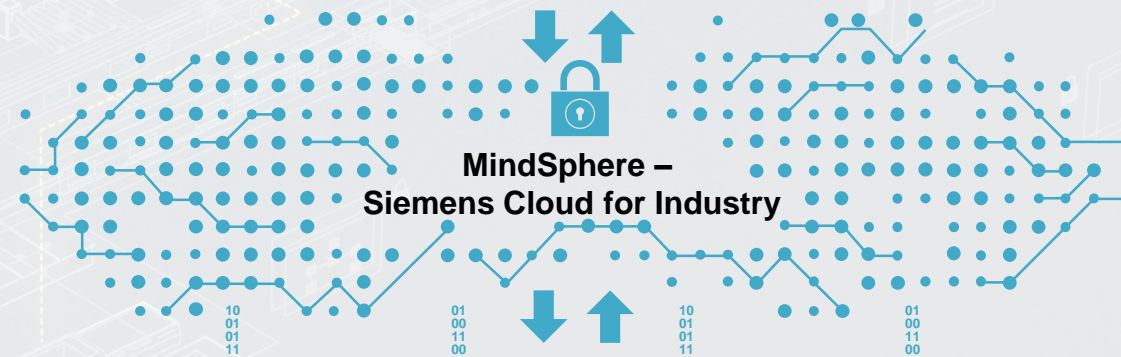
by OEMs



by end-customers



Optimize the performance of assets, energy and resource consumption, maintenance, services ...



10
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*Powered by Sinalytics

Investing in Industrie 4.0 today with Digital Enterprise – Our solutions along the entire value chain

SIEMENS

1 Industrial software and automation portfolio

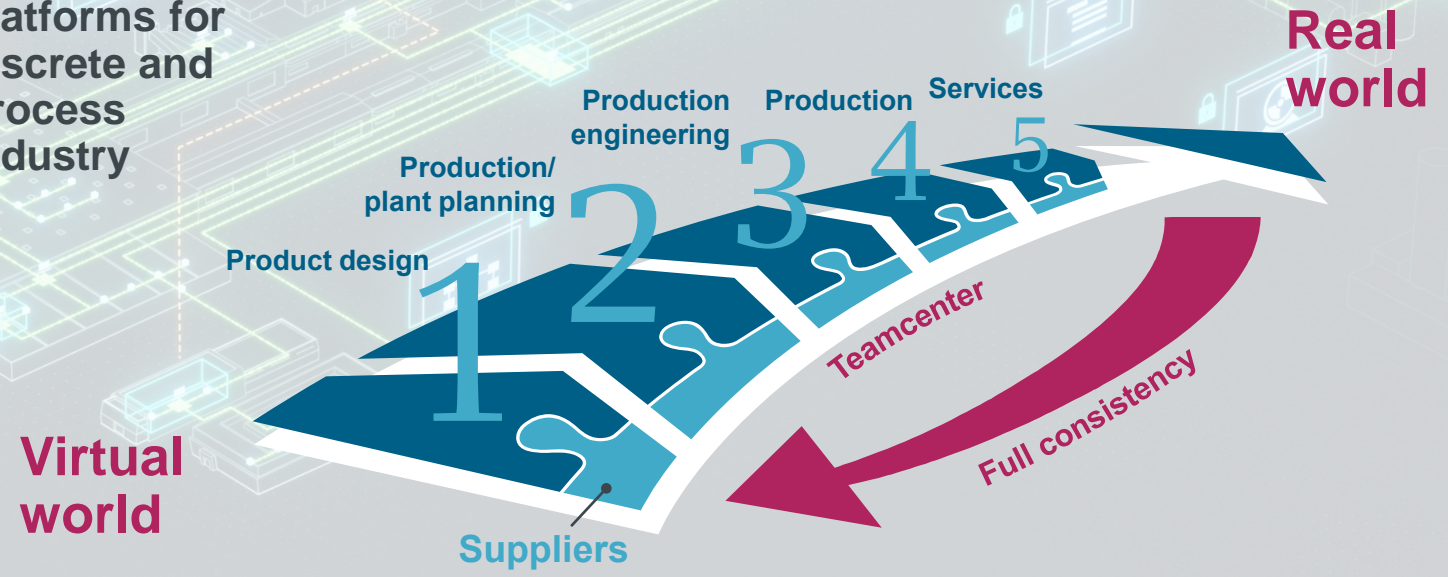
Specifically for discrete or process industry

2 Industrial communication

3 Industrial security

Joint platforms for discrete and process industry

4 Industrial services



Thank you.

SIEMENS

