SIEMENS
Ingenuity for life.

Leading The Digital Revolution

A digital revolution is transforming today's factories. By merging cloud computing with real-time data and advanced analytics, manufacturing is making a historic leap forward through digitalization.

44
ZETTABYTES:
The **amount of data** that will exist by 2020 — nearly as many digital bits as there are stars in the universe.[1]

25
BILLION:
The **number of things** that will be interconnected through the Internet of Things by 2020.[2]

25
PERCENT:
The **percentage of the world's economy** that experts predict will be digital — from big data to new technologies and systems — by 2020.[3]

Similar to past innovations of steam, electricity and computing, digitalization is a game-changer for manufacturing.

Industrial companies that believe the ability to analyze data will be decisive to their business model in five years.[4]

Percentage of industrial companies that will have implemented digitalization solutions in all important business divisions by 2019.[5]

Digitalization

creates substantial productivity increases for manufacturers across the entire value chain, from design and engineering to sales, production and service.

The **increase in efficiency** that industrial companies anticipate over the next five years due to digitalization.[6]

The **additional revenue** per year that industrial companies expect due to digitalization and interconnection of products and services.[7]

Like past industrial revolutions, factories of the future will look and work differently from today's manufacturing plants.

Percentage of today's machines that manufacturing executives say will need upgrading or replacement due to digitalization.[8]

Despite the inevitable evolution, **less than half of manufacturing leaders** consider themselves ready for digitalization.[9]

To make digitalization practical for manufacturers, Siemens developed the

Digital Enterprise Software Suite –

a comprehensive portfolio of software-based systems.

15 years

Siemens has been developing the Digital Enterprise Software Suite for 15 years to address digitalization for manufacturing.

17,500 engineers

Siemens has over **17,500 software engineers** dedicated to digitalization.

280,000 devices

From skyscrapers and gas turbines to the traffic control centers of 255 cities, Siemens already has more than **280,000 devices linked to the Internet of Things** via secure connections.

30% reduction

Totally Integrated Automation Portal, part of the Digital Enterprise Software Suite, **reduces engineering costs** by up to 30%.

50% reduction

Product Lifecycle Management software and automation, also part of the Digital Enterprise Software Suite, **reduce time to market** by up to 50%.

0.0012% defect rate

At Siemens' Digital Factory in Amberg, Germany, digitalization has already led to the **lowest possible defect rate — 0.0012% — and is still declining.**

To find out what digitalization solutions from Siemens can do for your company, learn more about the Digital Enterprise Software Suite.

Published by
Siemens Industry, Inc. 2016.

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Printed in U.S.A.

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