

INDUSTRY 4.0: REINVENTING DIGITAL TRANSFORMATION

WHAT IS **INDUSTRY 4.0?**

The adoption of digital technology has reached a point where we are ready for another radical change, the digital transformation of the industry or what we call Industry 4.0.

91%

of industrial companies are investing in digital factories

billion is the expected level of global spending on IoT solutions 2020

66%

said IIoT will result in new revenue streams and business models for their company

88%

of global industrial companies agreed that the industrial Internet of Things (IIoT) is critical to their future success

FROM INDUSTRY 1.0 TO INDUSTRY 4.0



IMPLEMENTATION AND USAGE

INITIAL CONNECTIVITY

Introduction and implementation of initial stages of data collection

PROCESS **OPTIMIZATION**

Advanced networking, digitalization and automation adjustment, thus retrieving maximum potential from collected data, and applying advanced algorithms

PROCESS FLOW AND QUALITY

Digital thread is set up to go through the entire process; high-end cybersecurity measures are implemented to keep the data protected

NEW BUSINESS MODELS

The collected data and insights are utilized to generate innovative revenue streams, as well as add value for customers

WHY IS INDUSTRY 4.0 **IMPORTANT?**

INCREASED PRODUCTIVITY - reduces production time - enables better asset utilization and inventory management CENTRAL REQUIREMENTS

INCREASED FLEXIBILITY

- manufacturing flexibility through machines and robots



INCREASED QUALITY

- real-time production monitoring and quickly intervention in case of errors



and the second

- short time between the first product or idea to the finished one

KEY CHALLENGES OF INDUSTRY 4.0

Lack of unified leadership that makes cross-unit coordination difficult within the company

Data ownership concerns when choosing third-party vendors for hosting and operationalizing company data

FROM PRODUCTION

Lack of in-house talent to support the development and deployment of Industry 4.0 initiatives

Difficulties with integrating data from various sources to enable initial connectivity

Lack of courage to launch the radical digitalization plan

Lack of knowledge about technologies, vendors and IT outsourcing partners that could help execute the core initiative