

PWC & Siemens PLM Software Alliance

A comprehensive approach to the digital transformation of manufacturing enterprises



Digital transformation is the qualitative improvement of manufacturing and business processes powered by innovation and by adapting existing business models to the modern digital economy

Siemens PLM Software and PwC have joined efforts to create a comprehensive approach to ensuring efficient digital transformations in manufacturing enterprises.

The PwC-Siemens alliance will maximise the benefits of going digital.

Your benefits from digital investments



Source: Enterprise and IT leaders survey, PwC

Factors shaping today's production processes



The foundation of the Digital Transformation Excellence Centre is the Industry 4.0 concept

A comprehensive approach to digital transformation that integrates technological solutions into an enterprise's structure and processes to facilitate the implementation of new business models and to significantly boost the efficiency of existing business models.

PwC: Designing and implementing digital operating and business models

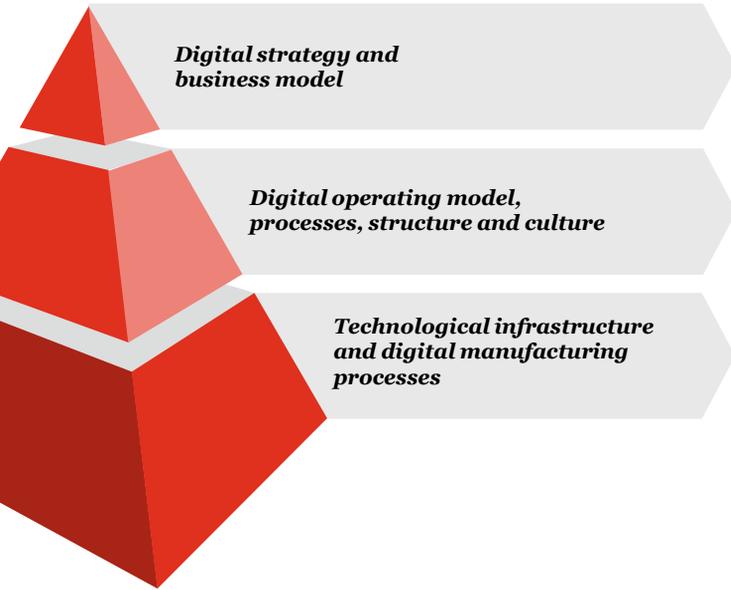
- Digital transformation strategy
- Structure/process optimisation
- Digital products and business models
- Organisational change management within digital transformations

Siemens: Industry expertise and solutions

- Digital Enterprise Software Suite
- The Smart Innovation Portfolio product line for automating design, manufacturing and utilisation processes
- Tested solutions for the aerospace industry

Digital transformations re-imagine a company's structure, processes and business model

Dimensions of transformation



Transformation vectors

- Digital enterprise concept
- Business strategy and operating model
- Digital portfolio
- Digital culture
- New paradigm of business thinking

- Fostering a digital culture
- Defining a model of digital governance
- Digital and its place in the structure of an enterprise
- Model for developing a digital business
- Managing transformation processes

Digital modelling and the designing of a product and related manufacturing processes

- Bionic design, smart products and systemic modelling

Transforming manufacturing

- Machine learning, additive technology and cyber-physical systems

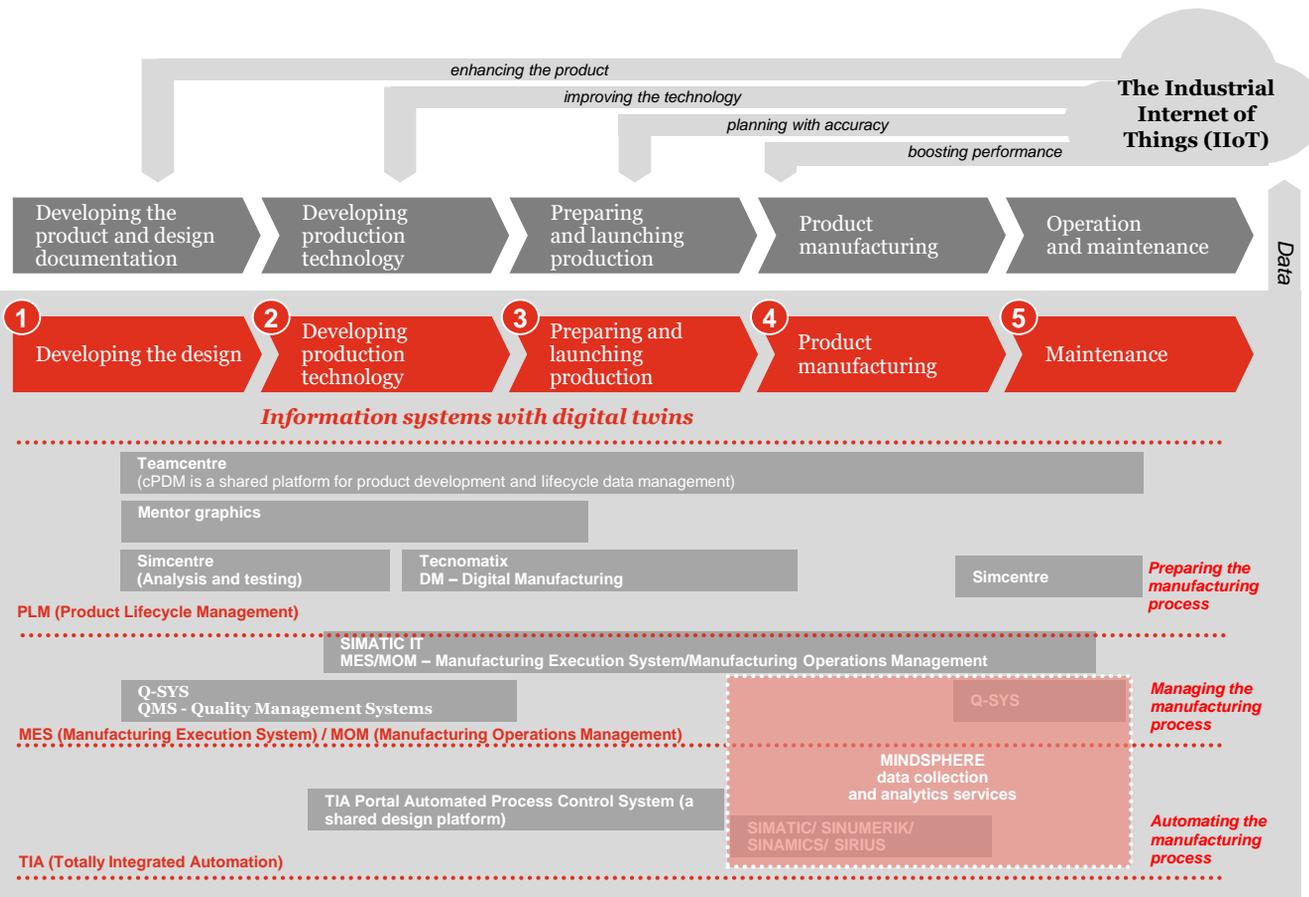
Transforming service support

- Big Data
- Augmented reality
- Cloud technology

Digital twins will be the cornerstone of the enterprise of the future

A digital twin is a computer-generated replica of a product and its infrastructure and production before it becomes a physical prototype.

A digital twin allows for modelling and streamlining production processes in real-world conditions.



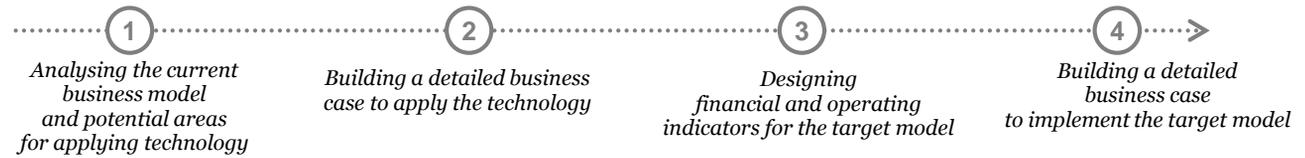
Our digital transformation project comprises *four steps*



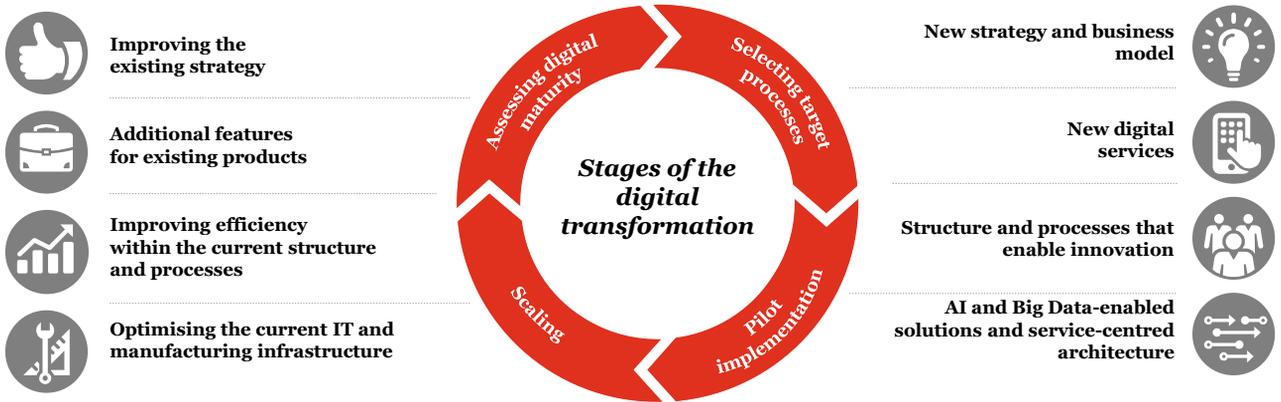
We deliver:

- A strategy for digitalising your company's business**
- An updated operating model for your company**
- Integrated technological solutions for managing the manufacturing process**

PwC has a comprehensive methodology to ensure a successful transformation



We apply a comprehensive approach during our transformations that lets our clients see fully the integration of the strategy, technology, business processes and data to draw meaningful insights and improve efficiency



Assessing digital maturity to make informed investment decisions for your digital transformation projects and to mitigate risks

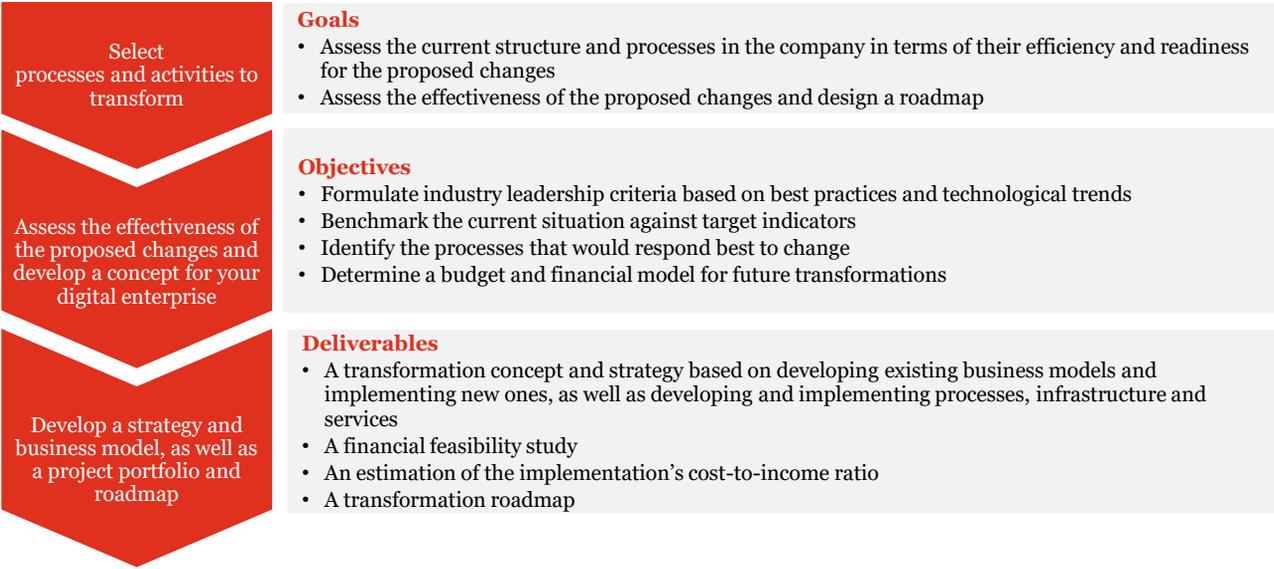
- Improve efficiency
- Save costs
- Increase revenue and profit
- Enter new markets
- Improve other business metrics

Implementation effects

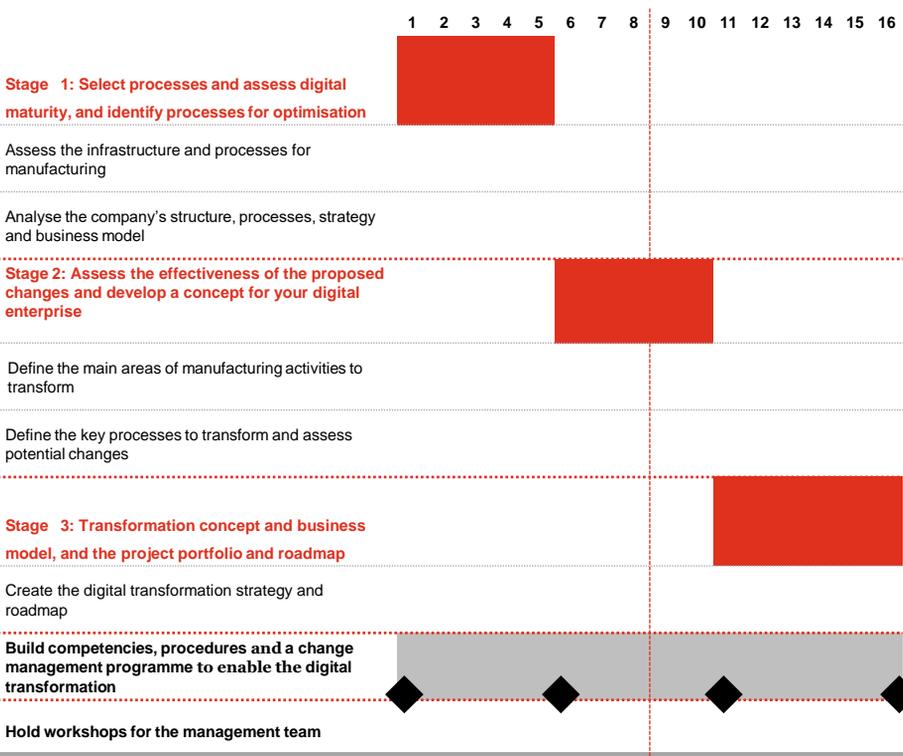
Risks

- Lack of coherence
- Insufficient effect
- Overspending
- Loss of manageability
- Decrease in productivity
- General expenses

To mitigate risks and enhance the effects of implementation, we propose as a first step **creating a concept and developing a strategy for your digital transformation**



A roadmap for assessing digital maturity and developing a transformation strategy



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