Industry 4.0 Assessment

WHAT WE OFFER — BENEFITS FOR YOU

Small and medium-sized companies are often not quite sure what Industry 4.0 is actually all about and what impact the fourth industrial revolution will have on their business processes and models. Industry 4.0 refers to a new level of organization and management of all the value chains in a company as the result of the closer integration of information, communication and production technologies. It is based on networked products and production systems that communicate via the Internet of Things.

The networking of products and production systems not only makes it possible to control production more intelligently, in many industries it also leads to the development of new, service-oriented business models that call existing models into question. This upheaval poses a threat to traditional small and medium-sized companies in particular, but at the same time it provides new opportunities for growth if they succeed in readying their organization for Industry 4.0 in time.

There is no magic formula when it comes to Industry 4.0 capability. The individual measures required depend on the industry, the type of company (make-to-order manufacturer, mass producer, etc.) and its level of maturity. The main objective of an Industry 4.0 assessment is therefore to assess the current state of the company in question, define a target state and develop a roadmap of the most important Industry 4.0 projects.

THE RANGE OF PRODUCTS AND SERVICES WE OFFER

PROSTEP is a leading consulting and software company in the field of product lifecycle management (PLM). We provide companies in a wide variety of industries with support when it comes to redesigning their PLM landscapes and optimizing their PLM processes. An optimized PLM environment provides the basis for exploiting the potential offered by Industry 4.0. The Industry 4.0 Assessment is therefore an integral part of our PLM consulting services. It is divided into four phases:

- Preparation: compiling the characteristics of the company, raising the awareness of employees with regard to Industry 4.0, describing the procedures and methodologies.
- Analysis: ascertaining the current state of engineering and related business processes and definition of the target state using the method toolboxes.
- Forming ideas: analysis of the results from the workshops and generating ideas for optimizing products and production processes.
- Evaluation: summary and prioritization of the results; development of a roadmap of the most important Industry 4.0 projects, taking economic viability into account.

If requested, we also provide our customers with support when implementing the proposed projects.
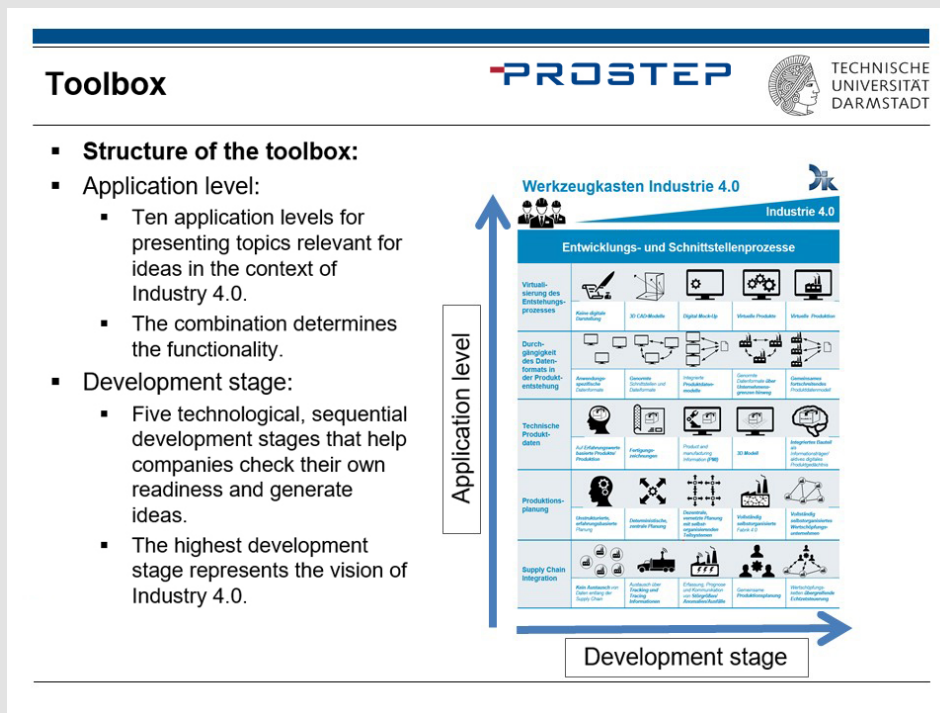
OUR **METHODOLOGY**

The methodological basis for our Industry 4.0 Assessment is provided by the Industry 4.0 Readiness Check based on the VDMA Industry 4.0 guideline. The check provides methodical "toolboxes" that were developed together with the Department of Computer Integrated Design (DiK) at Darmstadt Technical University and extended by PROSTEP. Each of these toolboxes forms a matrix comprising ten different application levels for Industry 4.0-relevant topics and five vertical development or maturity levels measuring Industry 4.0 readiness, which help companies check their own readiness and define the target state.

ADVANTAGES FOR YOU

PROSTEP's Industry 4.0 Assessment enables small and medium-sized companies to reliably determine where they currently stand. The uniform methodology used allows comparison with analyses performed at other companies. The assessment helps them define their target state, giving due consideration to company-specific requirements. It also plays a key role in raising employees' awareness of the subject Industry 4.0 and developing a common understanding of the potential it offers.

An Industry 4.0 assessment offers the following advantages:

- All those involved have a much greater awareness of what Industry 4.0 is all about and what Industry 4.0 means for the company.
- Systematic identification of weak points and areas of activity that offer potential for optimizing engineering and related business processes.
- A clear idea of the objectives with regard to Industry 4.0 thanks to prioritized action clusters and a roadmap of concrete Industry 4.0 projects.
- Good preparation for the implementation phase thanks to the identification of quick wins that can be implemented quickly and promise a fast ROI.

„After attending our Industry 4.0 Assessment workshops, you will know how to exploit the potential offered by Industry 4.0 for the benefit of your company."

Dr. Mario Leber, Senior Consultant, PROSTEP AG

DO YOU HAVE QUESTIONS REGARDING THE INDUSTRY 4.0 ASSESSMENT?
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