

AI-Trainer

Mittelstand-Digital Center informs about Artificial Intelligence

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Abstract

The Mittelstand 4.0-Kompetenzzentrum Darmstadt (MiT4.0), which is funded by the German Federal Ministry for Economic Affairs and Energy (BMWi), is the main partner for small and medium-sized enterprises (SME) in the Rhine-Main region for all aspects of Industry 4.0. Starting with topics related to sensors and digitalization up to data analysis and AI applications, the AI-Trainers demonstrate possible applications for AI, share knowledge and support the implementation of corresponding projects in the field.

Project description

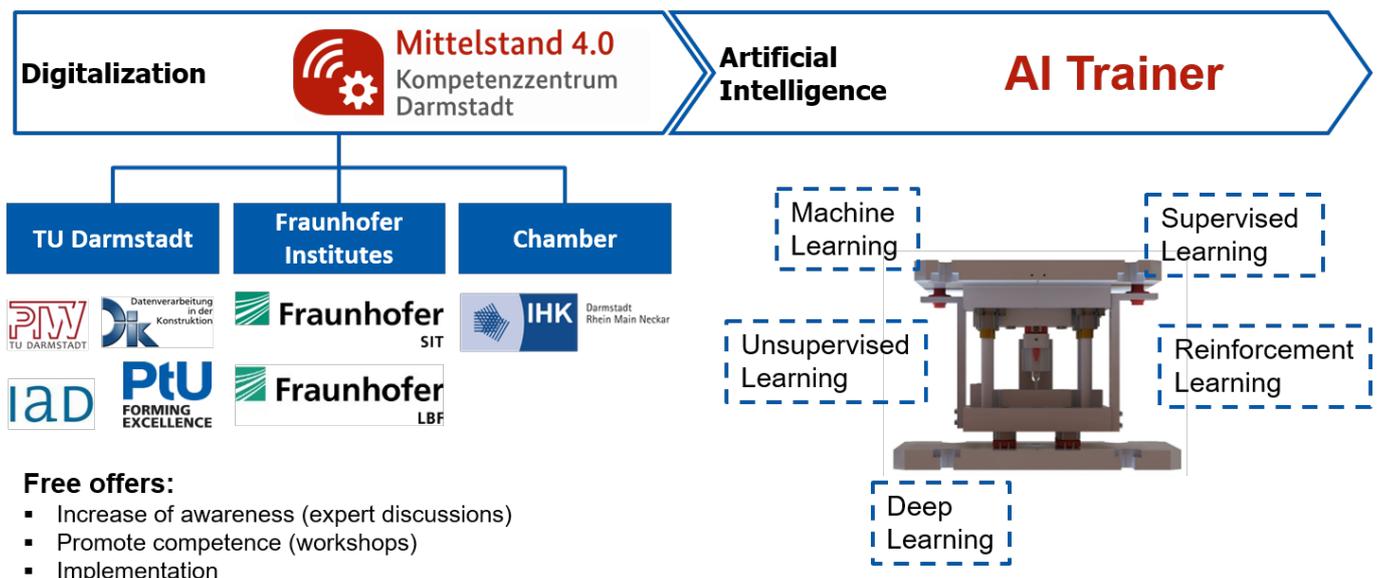
Artificial intelligence and machine learning are currently shaping industrial progress. These technologies are no longer just future trends, they can already be used for more effective and competitive productions. The use of intelligent data analysis with the help of AI-applications is a big challenge especially for SME in production and forming technology due to the high complexity as well as lower available resources compared to multinational companies.

For this reason, the MiT4.0 has set itself the task of supporting SMEs in questions of digitalization, networking and AI applications. For this purpose, knowledge from current AI research is transferred to the economy to gain know-how and new expertise within the companies. The focus of the MiT4.0 is on

the use of AI in production. First-hand knowledge from current research projects is transferred to SME in an industry-oriented environment, the Center of industrial Production (CiP).

Results

As shown in Figure 1, seven partners from science and practice bundle their expertise on digitalization and Industry 4.0 topics in the MiT4.0 and provide AI-Trainers. This gives companies the opportunity to access concentrated know-how with the intention of removing obstacles to the introduction and further development of AI applications. In order to bring SME closer to the topics of networking and digitalization, the MiT4.0 KI-Trainer program focuses on practical solutions and benefits. The introduction of best-practice examples and demonstrators has proven to be a successful manner. In addition, SME are provided with initial information through expert presentations based on completed and ongoing research projects. During these training sessions, there is the opportunity to discuss the benefits, potential and challenges of the topics. Workshops demonstrate the potential of Industrie 4.0 solutions for SME. After identifying possible applications within the companies, direct implementation in their own production can take place if requested. The aim is to implement customized Industrie 4.0 solutions directly on site in the company.



Free offers:

- Increase of awareness (expert discussions)
- Promote competence (workshops)
- Implementation

[1] Consortium partners of the MiT4.0 and topics of the AI-Trainer

The range of free services includes:

- Removal of barriers to digitalisation by providing initial information.
- Identification, analysis and qualification of practical application areas for AI-applications in the field of production and forming technology.
- Support and realization of implementation projects.

The AI-Trainer program complements the MiT4.0 range of services with regular information events for an exchange of experiences as well as trainings and workshops for the transfer of knowledge online and in the industry-related environment, the CiP.

Acknowledgement

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