

## Application area:

# Artificial Intelligence

### Artificial Intelligence methods are already being used in practice today

Artificial Intelligence is now an established technology for optimally designing or controlling processes in production, logistics and supply chains or other areas.

In the meantime, there are various AI methods that are applied or offered in ready-made solutions (e.g. via Pathmind, Bonasai, H2O.ai):

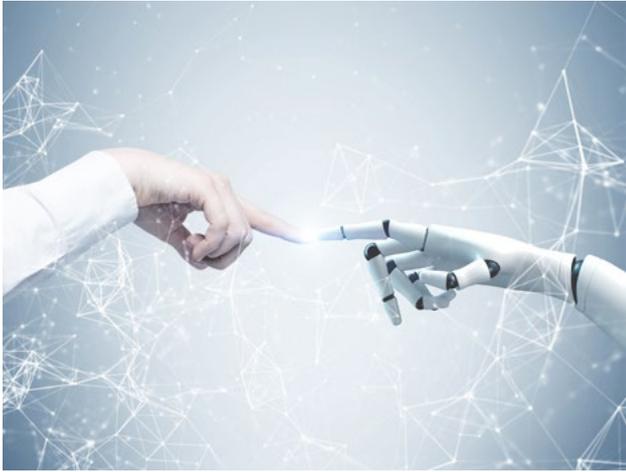
- Reinforcement Learning
- Classifier

**AI technology in use for process optimization in production and logistics.**

The particular challenge in the application of AI methods is usually the selection and training of a solution (e.g., in-house development).

As a rule, this cannot and should not be done on real systems, since extreme events can occur, especially in the learning phase. In order to exclude this risk, simulation methods are used, which in combination with the AI application represent an optimal solution.





- A simulation model provides realistic (dynamic) data of a possible scenario (typical challenge when using AI methods)
- The model serves as a training partner to show decisions and their effects in a very short time to the AI
- Extensive and risk-free pre-testing of AI solutions before they are released
- Comparison of AI solutions or solution procedures
- Quantitative evaluation of AI procedures to other possibly less expensive alternatives (classical optimization procedures).

SimPlan provides the necessary technologies for such an environment, up to the point that we develop appropriate models and building blocks for our customers, so that they can find, evaluate and risk-free implement their AI application without in-depth simulation knowledge.

In various research projects, we are working on the topic of artificial intelligence together with other partners and universities. You can find more information on our website [www.simplan.de/forschung](http://www.simplan.de/forschung).



**SimPlan AG was founded in 1992 as a service provider for the simulation of operational processes and today, with more than 120 employees, it is one of the leading German providers of simulation services.**

## Why SimPlan?

We are a cross-industry full-service provider for simulation, supporting companies of all industries with extensive expertise in the analysis and optimization of their business processes

- Objective and independent analysis
- Detailed knowledge in logistics and production from over 30 years of project work
  - Development and use of standards
  - Permanent advancement of simulation topics through research and development
- Excellent resources to respond quickly to your issues
- Close collaboration and project integration with a high level of on-site involvement
- Development of innovative solutions for the efficient handling of problems
- Neutral distributor for simulation software
  - Support in software selection and implementation as well as training

### Feel free to contact us

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