



AI & DEEP LEARNING

Accelerate your engineering workloads

The use of artificial intelligence (AI) in virtual product development

- improves processes,
- optimizes resource overheads
- enables in-depth forecasts.

On this basis, we develop innovative models for Deep Learning (DL), which solve engineering problems using self-learning algorithms. We provide comprehensive advice for implementation and application. And we build and operate the appropriate system and infrastructure landscapes to allow you to efficiently utilize AI and DL.



DATA ANALYTICS & AI

Answers from information

Data analytics are becoming ever more prolific in the engineering environment, e.g. for simulations: Analysis engines can already detect abort criteria at an early stage, generating reports on conspicuous findings or key monitoring values. You can arrive at valuable answers more quickly - thus saving time and resources in cost-intensive engineering processes.

Data analytics are suitable for basic technology along the path towards implementing AI. Target-oriented data analytics are the basis for AI models. In connection with artificial neuronal networks, we develop deep-learning solutions tailored to your engineering data. This enables you to generate added value through intelligent data analysis.

USE YOUR POTENTIAL

ARTIFICIAL INTELLIGENCE

- ✓ Using self-learning algorithms to solve complex problems
- ✓ Accelerating engineering workloads
- ✓ Facilitating decision making
- ✓ Targeted approach to deriving value out of data

CONTACT

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DEEP LEARNING & AI



SERVICE COMPETENCE FOR YOUR AI PROJECT

GNS Systems is an IT service provider for product development and engineering. We provide support in the planning, implementation and operation of sophisticated heterogeneous system and applications infrastructures. What makes us special:

- ✓ **Many years of CAE IT experience:** for better simulations and targeted analyses
- ✓ **Experts with industry savvy:** for efficient engineering processes and applications
- ✓ **Fully developed method expertise:** for all phases of your engineering project
- ✓ **Full-Service:** for advisory, smooth integration and high-performance operation of AI infrastructures

WE ARE TECHNOLOGY EXPERTS:



Caffe



K Keras



SMART AI ALGORITHMS

An integral part of your digitalization strategy

We integrate artificial intelligence into your everyday engineering routine. Our software developers and engineering experts create highly functional AI algorithms and applications. Our standard is the customer with his special use cases and topics of inquiry.

Clever AI use with **IEYE**cense

Our licence monitoring tool IEYEcense enables forecasts through AI components on batch job wait times. Based on historical data, users receive a forecast on times required in the future. Using this forecast, run times in product management can be more effectively planned and utilized.



AI INFRASTRUCTURE

Requirements analysis and implementation

Deep Learning needs complex models and learning phases that require major CPU power. An AI infrastructure needs to be powerful and reliable. Our infrastructure architects are there to advise you from the start of the project, to optimally map out your Deep Learning application cases. Where needed, GNS Systems also handles integration and operation.

