divis intelligent solutions GmbH

We are specialists in optimizing processes and products, implementing predictive maintenance and predictive quality, and achieving significant improvements and savings for our customers. Our company philosophy “Beyond Analytics” is an expression of our unconventional problem solving approach, in which we apply the latest methods of artificial intelligence and machine learning for our customers. We have successfully implemented numerous applications in the automotive, chemical and consumer goods industries, among others.

In addition to our in-house developed software, we also offer our customers scalable and personalized solutions for integration into their production processes - from consulting projects to data analysis. We always follow the latest innovations and technologies under the professional leadership and expertise of CEO Prof. Dr. Thomas Bäck (head of the Natural Computing research group at the Leiden Institute of Advanced Computer Science at Leiden University).

We are also continuously improving by further developing our ISMS in accordance with TISAX and QMS in conformity with ISO 9001.

EXTRACT FROM OUR LIST OF REFERENCES

- BMW Group
- 3M Deutschland GmbH
- Johnson & Johnson Deutschland
- Honda Research Institute Europe GmbH
- Chemetall GmbH
- Covestro AG
- Mercedes-Benz AG
- Evonik Technology & Infrastructure GmbH
- DLR – Deutsches Zentrum für Luft- und Raumfahrt

Request a free online demo

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INFORMATION EN

Consulting & Services

*Beyond**Analytics***

Machine learning, predictive analytics and optimization for real requirements

divis intelligent solutions

Together we will find the optimal approach

In order to implement AI methods such as machine learning, predictive analytics and optimization for your company, we work closely together with you. The best approach for you may be a consulting project, the licensing of one of our software tools, or the development of a customized solution specially designed for your task.

Consulting projects

It often starts with a consulting project which includes, for example, analyzing and modeling your data with AI methods. Then we analyze your data and provide you with answers and insights. These can be influencing parameter settings that lead to quality deviations during the production process, or those that lead to the early failure of components.

Likewise, it is possible to find previously unknown interactions between process parameters, identify anomalies in the data, and derive predictions about optimal settings. These are just a few of many possible insights.

Also, the use of optimization techniques, the integration of data and the general approach to AI-based methods can be the subject of a consulting project.

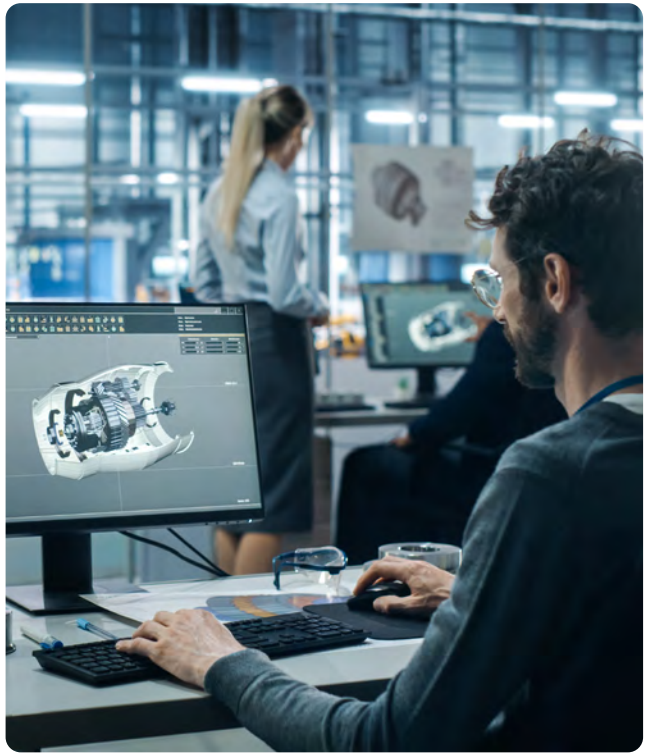
Customized solution development

We develop solutions for you that make AI methods applicable to your requirements. Our focus lies on the specific application as well as the integration into the IT environment of your company. From tool chains in simulation-based development to the integration into production processes, we ensure the full performance of AI methods in your process flow.

Software tools

For the analysis of data, model building with AutoML (automated machine learning) methods and optimization on the models, we have developed ClearVu Intelligence. This software can be used either with a user-friendly graphical interface or as Python Pro with a corresponding programming interface. For the AutoML in Excel, we have also made an entry-level solution available for you.

ClearVu Design Space supports the development process by automating the procedure for municipal design by finding maximum valid ranges for the design parameters. This allows engineering designs with the greatest possible implementation and reusability potential.



Application areas

Machine learning
Data-driven machine learning can be used in all areas of a company to derive correlations, make forecasts, identify influencing parameters and carry out optimizations.

Process optimization
Use the combination of artificial intelligence and optimization to optimize production processes in terms of product quality, process stability or resource consumption.

Predictive maintenance
You can use data-driven machine learning to forecast and schedule maintenance events, thereby reducing maintenance costs and avoiding unplanned downtime.

Data integration
We support you in the pre-processing and integration of your data, whether in the cloud or in your own IT infrastructure. We provide the results of machine learning in your own IT and process environment through interfaces.

Quality management
Our tools support you in the quality management of your products and processes. Analyze your data with regard to specific questions or optimization requests.

Predictive Quality
Product quality depends on various parameters. AutoML methods can be used to create predictive models in order to identify influencing factors and optimize them to improve quality and reduce rejects and additional work.