



SIMULATION DATA MANAGEMENT

Virtual Engineering is the trend of today

Simulation is the key to digital product development and manufacturing. Computer Aided Engineering (CAE) is a natural part of process flows for many companies. More and more frequently, simulation results create the basis for far-reaching business decisions. Simulations create a large volume of data, the proper administration of which is decisive for company success.



SDM-SYSTEM

Precise Integration

GNS Systems advises you in the selection and integration of a system for Simulation Data Management (SDM). According to the requirements, GNS Systems can find the proper solution and safeguard smooth operations. This is how companies derive the maximum value from their data.

OBJECTIVES OF AN SDM

- Using data, models and documents successfully for modelling, simulation and analysis
- Managing structures of simulation and process data for the entire product life cycle
- Optimizing products, processes and manufacturing tools over the long term

YOU CAN BENEFIT FROM OUR SERVICES

- ✓ Ensuring system availability
- ✓ Incident processing
- ✓ Error analysis and troubleshooting
- ✓ Planning and implementation of change management processes
- ✓ Safeguarding the system in case of infrastructure changes and performance of subsequent function tests
- ✓ Automated rollouts
- ✓ DevOps for continuous further development

CONTACT

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STRONG POTENTIAL FOR YOUR SIMULATION

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:

- ✓ **Outstanding quality:** Real-time information of simulation improves product quality and service life, in addition to lowering product development costs over the long term
- ✓ **High integrity:** Effective use of simulation results for products and relevant optimization of designs
- ✓ **Shorter development times:** evaluate and fine-tune changing parameters on prototypes with computer simulations
- ✓ **Lower risk:** a superior insight into performance implications allows for possible problems to be detected and remedied at an early stage



SIMULATION DATA

Managing data efficiently

Computer AE is an indispensable element in companies. Only in this way can products be quickly and cost-efficiently brought to market. Basically, CAE applications guide all processes of the product life cycle, from digital design research, through R&D with the help of digital twins, right down to tool-making, as well as maintenance and repair.

The vast amount of simulation data created in the process requires effective data management based upon its size, diversity and complexity. Perfect Simulation Data Management (SDM) increases the availability of this data, accelerating the processes.



SDM SOLUTIONS

Integrating existing systems

GNS Systems provides support in the selection of an appropriate SDM solution. Advisory services include relevant cornerstones of infrastructure development, of process interfaces, automation and system redundancies. Smooth integration of the SDM solution into the existing system landscape is a matter of course. In addition to installation and configuration, GNS Systems carries out customizing and integrates additional automation and tools.

Fit for the future

For optimal operation, we carry out IT, performance and function tests. These identify the requirements, in order to expand the technology early with additional computing disciplines or user groups. This allows for Simulation Data Management to remain flexible.