



## Always creating more knowledge through research

We are always expanding our horizons with challenging scientific projects

XRG Simulation has made a name for itself in the field of simulation and modelling of technical energy systems and in collaboration with renowned research institutions and companies continues to take part in challenging research projects for energy technology. Our expertise is especially helpful for the research when it comes to complex topics. We get to the bottom of questions, learn from these and develop methods and products which further the project.

Find out more about XRG's successful research projects here:

> [www.xrg-simulation.de/en/research](http://www.xrg-simulation.de/en/research)



### RESEARCH PROJECTS

- > DYNSTART
- > TOICA
- > SYNTHEX
- > NAKULEK

XRG Simulation GmbH

HAMBURG | INGOLSTADT | BREMEN  
BÖBLINGEN

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## Creating optimal energy systems with numerical simulations

### WE HAVE WORKED WITH

- > Airbus Operations GmbH
- > AUDI AG
- > Daimler AG
- > MAN TRUCK & BUS AG
- > Volkswagen AG
- > Mitsubishi Electric Corporation

We help our clients achieve maximum performance and efficiency from their energy technology



## Uncover potential improvements which save both time and money

We bundle together strategic procedures with innovative thinking into continually growing know-how

In highly qualified teams worldwide comprising engineers and scientists, XRG Simulation carries out network-oriented complex system simulations using numerical methods. We specialise in energy technology and support industrial and commercial companies as well as research institutions in the research, development and improvement of projects and products.

With the simulation and modelling of technical energy problems, we proceed in an unbiased and unbureaucratic manner and have above-average requirements in terms of the quality of our work.

We are a member of the following organizations:

### AFFILIATIONS



## Best performance in simulating energy systems

We offer simulations, programming, consulting, support and training all from the same source

XRG Simulation models and simulates the behaviour of technical energy systems under dynamic conditions for industrial companies and supports these companies in their research and development processes.

### RANGE OF SERVICES



We work with state-of-the-art simulation tools and programme tools which can be tailored individually to requirements and systems. With questions relating to simulation tools, applications and with financial and technical decisions, we offer our customers competent advice, extensive support and we also hold training sessions for our products.

## XRG products for simulation regardless of the service providers

We offer profitable solutions due to our extensive experience from simulations and modelling projects

Using Modelica, C/C++, C#, Java and Visual Basic, we develop projects with which our customers can carry out their own simulations independently, in a way that saves costs and which can control, visualise and optimise systems.

> Modular **XRGLibraries** based on Modelica for the simulation and modelling of different scenarios.

> Independent **XRGApplications**, e.g. for increasing the efficiency of processes in simulation projects or for system optimisation.

> Your customized tool requests for an efficient workflow are always welcome. Please approach us with your ideas!

### XRG PRODUCTS

