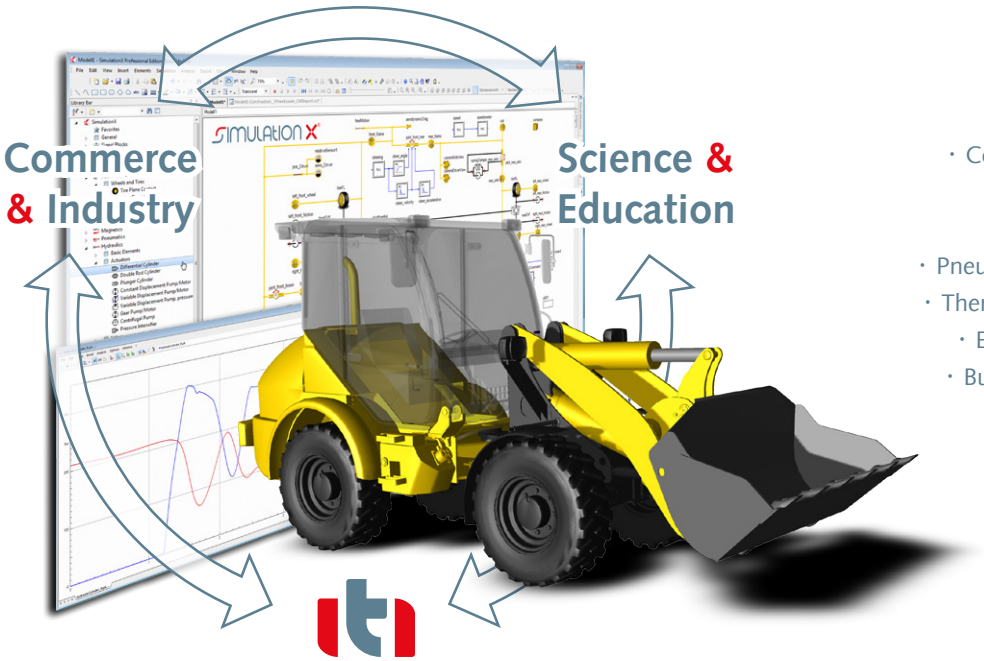
Supporting your vision

SimulationX is the fertile soil for your ideas!

Science & Education

Whether for cutting-edge research on the system or component level or for teaching physical correlations: SimulationX is your tool for physical simulation! A proven tool in industry and science. Worldwide.

The professional support of our engineers and a comprehensive collection of sample models help your team make a quick start and boost your students' understanding of complex physical systems. The modeling process has a practical touch due to the graphical user interface, while results can be analyzed with the help of visual diagrams. This increases your system knowledge from the first sketch up to virtual real-time tests.



- Control Engineering
- Mechanics
- Magnetics
- Pneumatics/Hydraulics
- Thermal/Thermofluids
- Electrical/Electronics
- Building Technology
- Hybrid Drives
- Acoustics
- and much more

Systematic Research and Education

More than 700 companies and research institutes rely on SimulationX for their research and development tasks. Universities, vocational schools and other educational bodies enrich their curriculum with visual simulation of physical systems.

Scientists appreciate the broad collection of ready-made libraries and analysis methods in SimulationX. Custom elements can be created interactively through the GUI or through equations on the basis of the open and object-oriented modeling language Modelica. Clearly structured dialogs help the user in the parameterization process. The direct graphical feedback and the optional 3D view are particularly helpful to promote the students' understanding of physics.

- **Simulation of components and systems** incl. interactions between the physical domains; comprehensive collection of basic and component libraries; broad range of sample models
- **Customizable** I Various interfaces; open Modelica standard for custom models and libraries
- **Intuitive user interface and presentation of results** I graphically interactive modeling; grafical and table-based result analysis
- **Network of research and industrial partners** annual user convention; cooperations
- **Tailor-made license models** I Local, network and classroom licenses; comprehensive academic package with special conditions; free Student Edition

The following educational bodies use SimulationX for their research, third-party funded projects and/or as part of their training:

e. g. Technische Universität Berlin (DE), Technical University Munich (DE), Shanghai Jiao Tong University (CN), Nanyang Technological University [NTU] (SG), Tokyo University (JP), Seoul National University (KR), Politecnico di Milano (IT)

„SimulationX helps us enrich research and education with CAE methods. It is our preferred tool to combine theoretical basics and practical applications in a comprehensible way."

Ass. Prof. Christian Landschützer
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