

Fact Sheet

Now available SimulationX 3.3

It's not in our development plan it's in our new release. SimulationX 3.3 is available now on schedule – with requested additional features plus “On Demand Licensing”.

SimulationX 3.3 Modelica Edition

SimulationX 3.3 combines the most intuitive user friendly software with a true Modelica Platform. Modelica experts can now design individual models and libraries by using the Modelica language. Thereby, you benefit from the full functionality of the Modelica standard library.

- Set up the most demanding graphics in a convenient way by using the **enhanced graphic editor**.
 - In the structure view, important object characteristics can be better visualized and the corresponding Modelica language elements can be easily allocated.
 - Objects can be rotated directly in the editor without manually changing the Modelica code.
- In addition to the classical model set up in the structure view you can formulate models directly in Modelica.

SimulationX 3.3 On-Demand

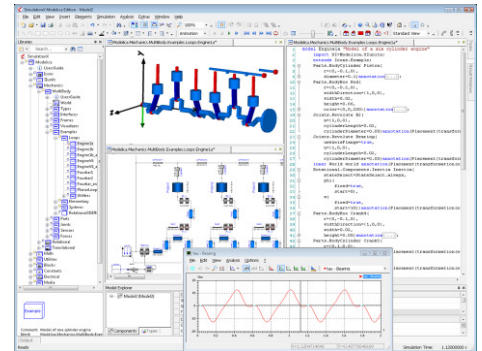
Simulation software on demand | Instead of manually computing difficult modeling tasks in a complicated way you would rather like to use an efficient software tool? Yet, your project is time limited and does not justify the investment into a classical software license? From the SimulationX version 3.3 onwards we offer you SimulationX also as an on-demand product. You decide for the point in time, period and cost of license use yourself. Benefit from e.g.

- The latest software release,
- Low entry costs and license fees,
- Project-related application and cost control.

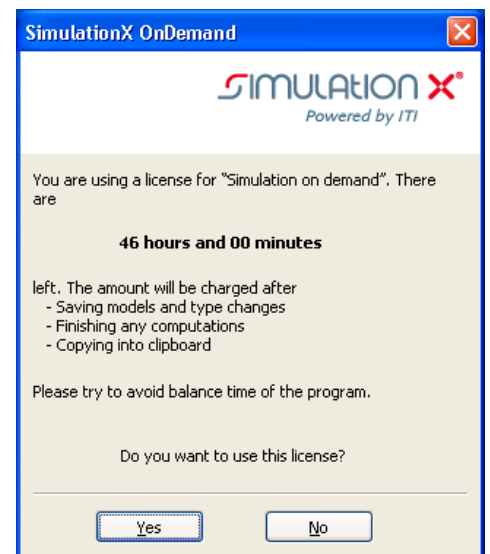
SimulationX 3.3 Professional Edition

Expanded scope, quick modeling | With the new SimulationX 3.3 Professional Edition you receive the most intuitive, user-friendly software tool with 10% more ready-to-use physical elements and models on stock. Therewith, you can quickly and easily set-up plants and components without bothering about complex mathematical differential equations.

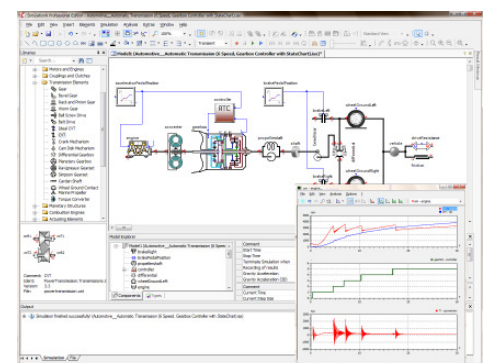
- More than 20 new model types in the power transmission library e.g. for combustion engines, clutches, transmission elements, cam disc mechanism, and propellers broaden your modeling scope.



Design, simulate & own your models



Flexibility and cost control

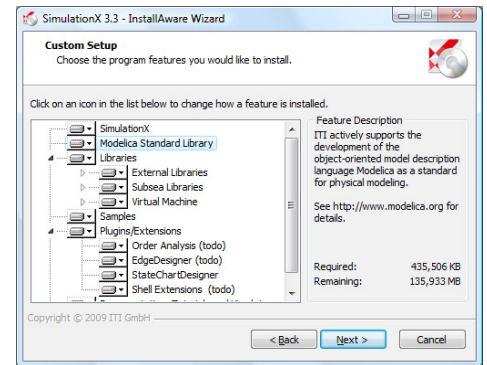


10% more elements and models

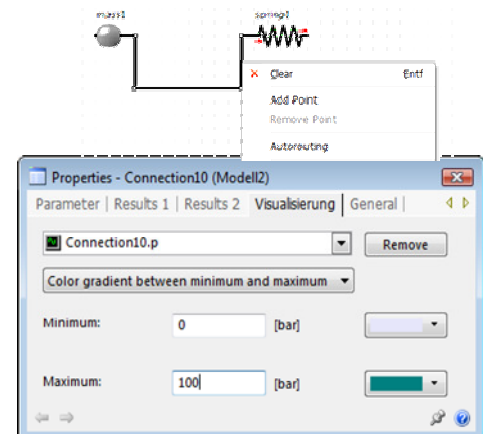
- Thanks to new features in the **1D Mechanics** all elastic elements such as springs and dampers can be switched to rigid. This allows you to analyze the model's kinematic behavior in a more precise and effective way.
- Many new functions and model types in the libraries signal blocks, actuation, electronics, and magnetic expand the modeling scope.

New features in SimulationX 3.3

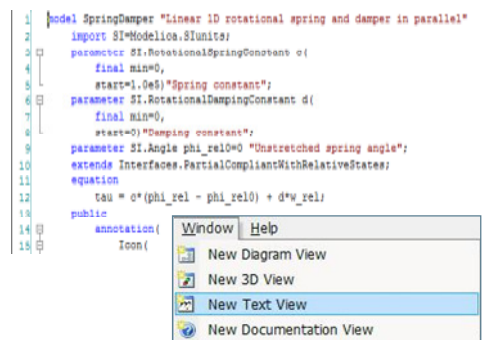
- **Revised installation process** - The new all-in-one installation package installs all required program components via a single setup and de-installs previous versions automatically according to the user's particular needs and profile.
- **The right software for each Engineer** - SimulationX 3.3 is easily adjusted to the different profiles of users, who can choose between two editions *SimulationX Professional Edition* or the *SimulationX Modelica Edition*
- **Sheer modeling pleasure** - SimulationX 3.3 provides you with an even more convenient program handling and safeguards the overview of the complete model even during later changes and enhancements.
 - Changes in the models are highlighted in colors in the dynamic visualization. Therewith, you observe e.g. deviations from the admissible values in a quick and easy way.
- **Everything at a glance** - The structure view and 3D model view were enhanced by the documentation and text view. The "**Documentation View**" shows all important information within your work area whenever needed on mouse click. The "**Text View**" allows you to make changes and enhancements in the model directly in the Modelica text format.
- **Simulation in real-time** - Test and optimize your model's real-time capabilities without biasing the model thanks to interfaces to NI real-time testing and simulation platforms like LabVIEW and NI VeriStand and solvers with constant step size.
- **More power, less storage** - SimulationX 3.3 users benefit of enhanced analysis capabilities and increased performance while storage is reduced by 50%.



Customize your installation



Further enhanced graphical user interface



Overview and flexibility



"Our latest release is a breath of fresh air to Modelica users. Using our clients and forum comments as a template we feel SimulationX 3.3 together with our new flexible on demand licensing has made major advances in meeting the future demands on simulation suitable for a range of industries."

Thomas Neidhold, ITI Manager Software Development