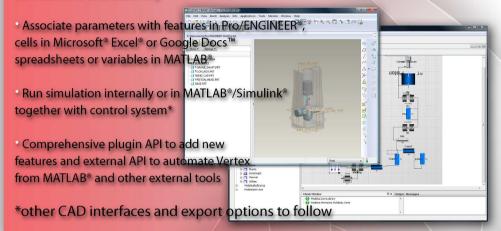


Integrated

• Pro/ENGINEER® assemblies are automatically imported. There is no need to derive kinematic equations or run translators; the mathematical model is continuously updated to match the CAD assembly*

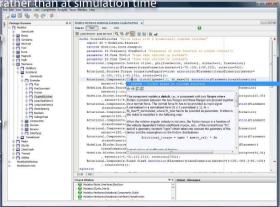


Easy to Learn

*The unique one-click auto-correction feature allows a solution for an error or warning to be selected and immediately applied. The current model and dependencies are constantly monitored and errors and warnings listed for the user to handle while building the model, rather than at simulation time

 In the code editor code-completion with documentation assists in both finding and understanding class and component definitions

 The built-in documentation browse can be used to read user guides and shows up-to-date information about any class, classes of interest can be loaded from the browser



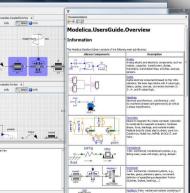
Easy to Use

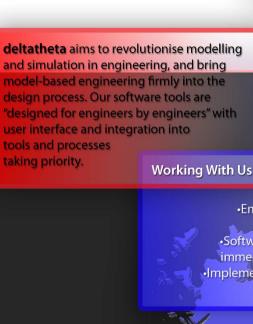
- Build multi-body models from CAD assemblies, view in 2D schematic and add other system components.
- * Drag and drop components in the schematic editor, click on connectors to highlight all possible connections and drag to connect.
- Write Modelica® code with code-completion, syntax highlighting and one-click navigation to class definitions.
- See parameter values for any component from the same window with hierarchical parameter view, edit their values or associate with CAD feature or spreadsheet cell.
- * Edit html documentation with a syntax highlighting editor.

Powerful

- * Modelica® is an object-oriented equation-based modelling language, which enables reuse of models and the development of libraries of models
- Prior to simulation Vertex™ gathers all equations in the model and symbolically manipulates them, reducing the size and complexity of the system in order to maximise the efficiency of the simulation

 Vertex™ gathers all equations in the model and symbolically manipulates them.
- The Modelica® Standard Library is included which enables modelling of multi-body, which enables modelling systems; analogue, digital and multi-body, which enables which enables with enables which enables which
- Other free and commercial libraries are available in a wide range of disciplines





Vertex

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