

Systems Simulation Designer (SID)

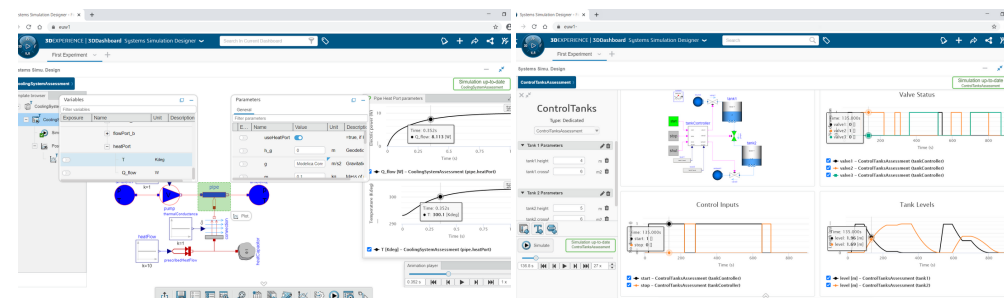
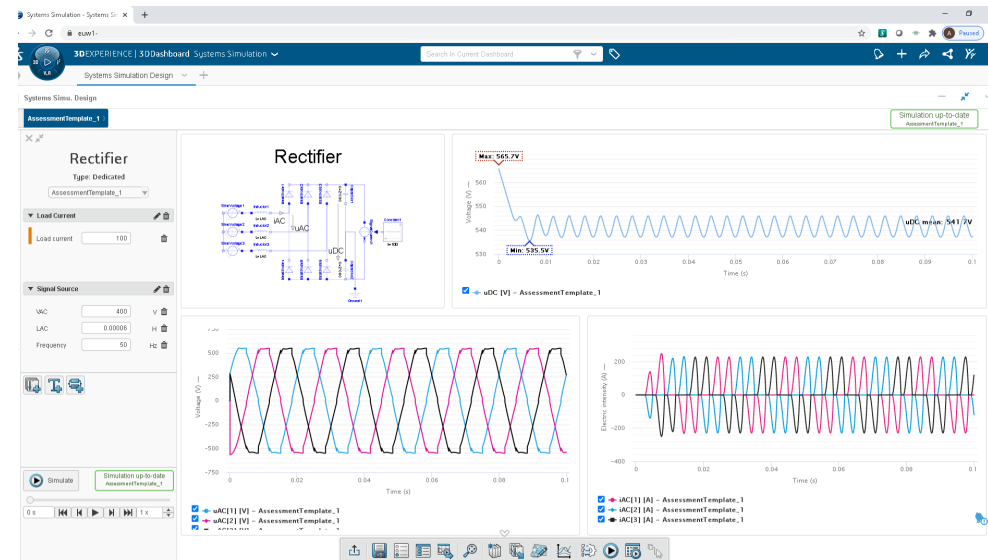
Allow domain experts to create multi-physics simulation models using Modelica libraries and share ready-to-use experiments in the overall company for system assesment and trade-off analysis

With this role user can create multi-physic simulation model and share ready to use experiments for system assesment and trade off analysis. User can easily compute simulation models from web browser using cloud computing. User can easily define model parameters. Moreover, a comprehensive set of model libraries can be added, to efficiently and quickly predict systems behavior.

This application allows user to create high level view called simulation dashboard. Such dashboard is beneficial to non expert users for fast model understanding. Dashboard view allows user to have access to all relevant simulation information (Parameters, plots, results) on a single page.

Benefits

- Democratize simulation based on Modelica in the overall company and addressing new user profiles.
- Easily distribute knowledge of simulation based on Modelica
- Easy to use without Modelica skills with a simplified user interface
- Fast deployment without software installation accessible from a web browser



Highlights

Simple User Interface -

- Display and navigate Modelica model
- Compose Modelica models
- Create model configuration
- Create post-processing definition (plot, KPI)

Model simplification -

- Expose components (parameter, variable and class instance)
- Create custom user interface (cockpit)
- Define report capability

Simulation and Result Analysis -

- Cloud Computing without compiler installation
- Create predefined scripts for pre or post-processing
- Check Simulation run and existing scripts

Model Sharing -

- Manage the access to Template Model content

Save ready to use experiments on the database

APPS

