

# Creating a simple model

This section explains the creation of a basic electrical circuit model using the SysML extension. The model can be exported into Modelica® and Simulink®. The same process can be used to create more complex models.

Read the following topics:

- [Overview of the model](#)
- [Blocks and Parts](#)
- [Component variables and parameters](#)
- [Component Behavior](#)
- [Setting initial values](#)
- [Generating simulation files](#)