TyphoonSim Quick Start Guide
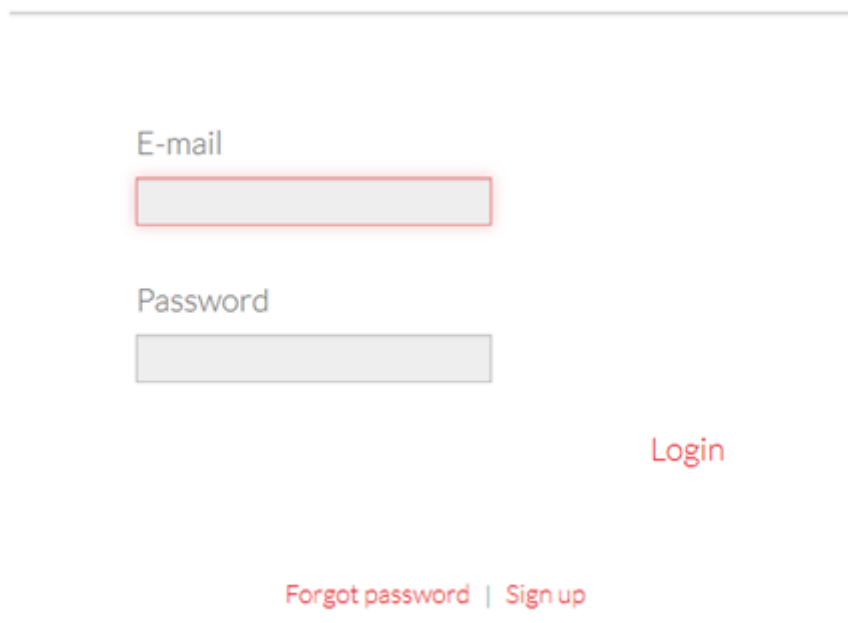
Getting your License

Open an internet browser and navigate to TyphoonSim. Click on the **Get a License** button and fill in the form. After that, you will receive all the necessary information to your e-mail.

Software Download

Open an internet browser and navigate to the Subscription Portal.

If you already have an account (completed Getting your License step), you can log in by clicking on the **Login** button (Figure 1: Login Form).

Figure 1: Login Form

If you do not have a Typhoon HIL customer account, please go back to the first step Getting your License.

By logging in with a customer account, you can access the **Download** tab at the top of the screen (Figure 2: Download Tab).
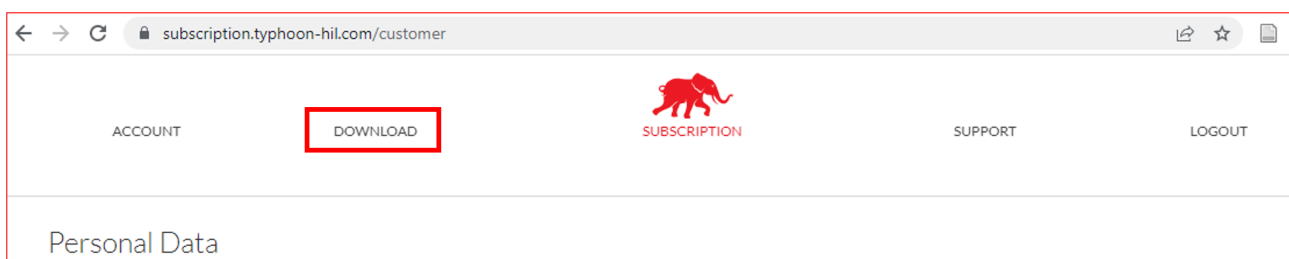

Figure 2: Download Tab

The **Typhoon HIL Download** site consists of two sections (pages). There you can download the latest software and links to important documentation. In the **TyphoonSim** download section (Figure 3: TyphoonSim software download page), you can download the latest version of TyphoonSim software and its appropriate dependencies.

Figure 3: TyphoonSim software download page

Software Installation

1. Log in to your Typhoon HIL account and download the latest version of the TyphoonSim installation file from the **TyphoonSim tab** in the Subscription Portal.

2. Start the installation.

> **Note:** During installation, you can select the destination folder for the *TyphoonSim* application. By default, it will be installed to a new folder at C:\Program Files\TyphoonSim [software version number] (see Figure 4: Destination Window).
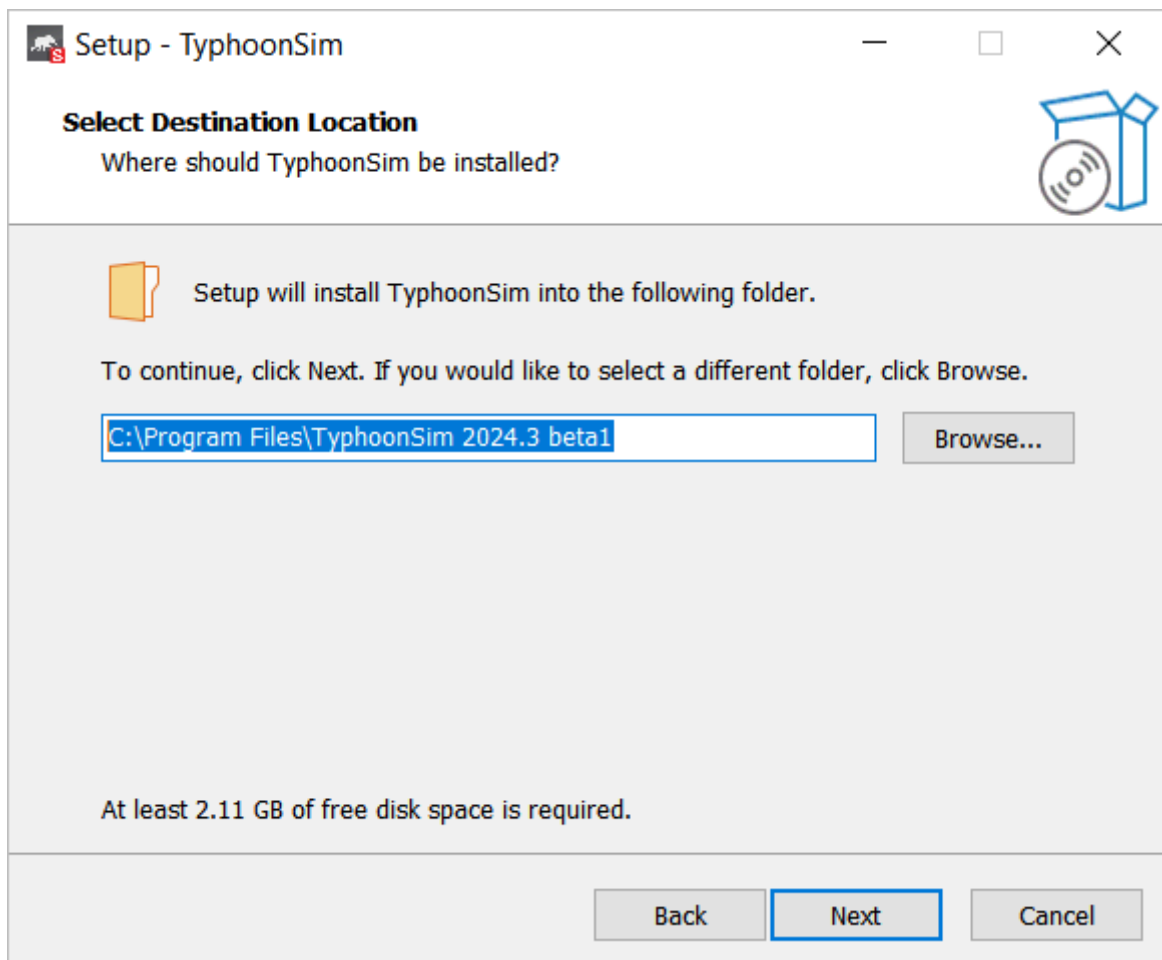
Figure 4: Destination Window

3. At the end of the installation process, you will receive a message stating you can now launch *TyphoonSim* via the installed shortcuts. Just click **Finish**.
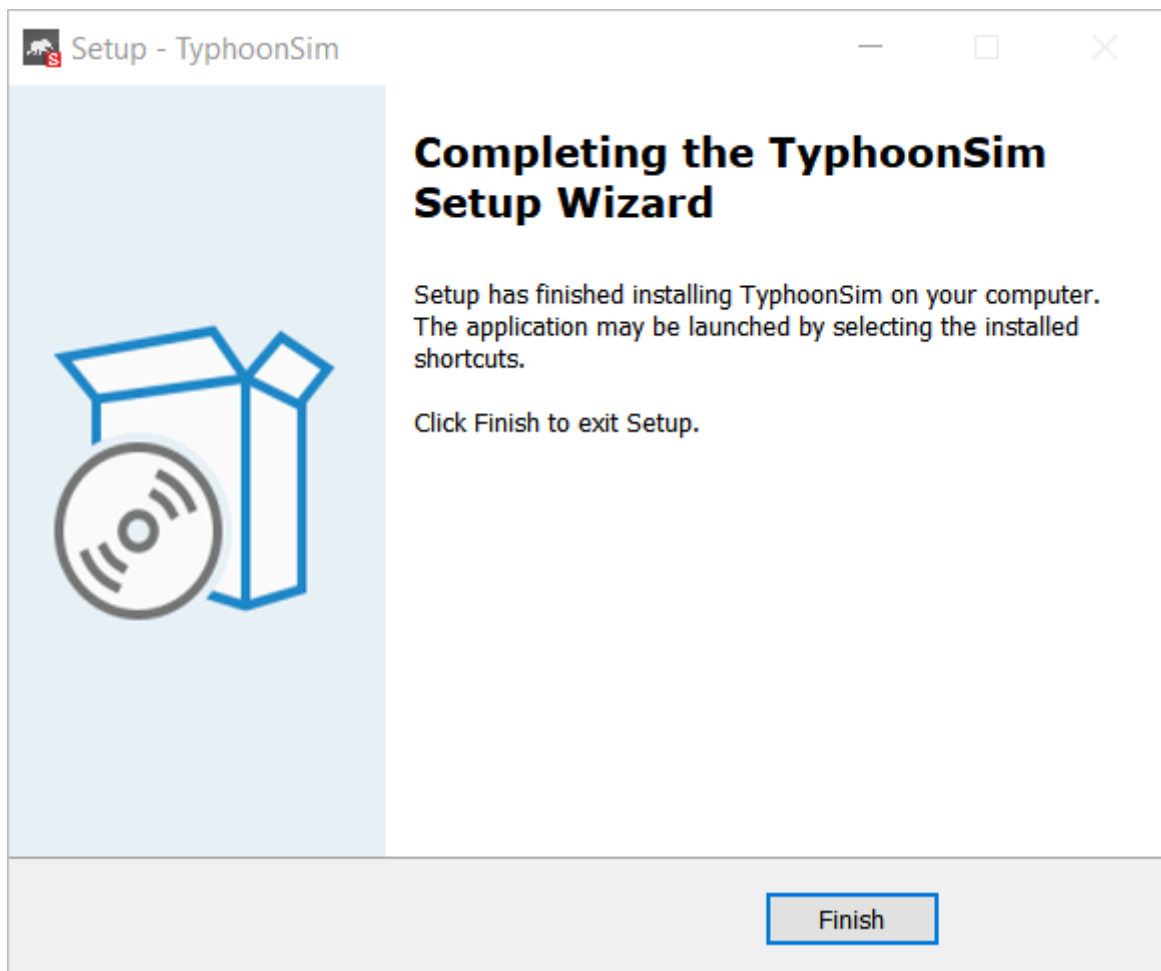
Figure 5: Complete the installation by clicking on Finish

Logging in to TyphoonSim Software

After starting the software, you must log in with the credentials you used in the first step (Getting your License) in order to activate your license. Click on the login icon in the top right corner (Figure 6: Login to TyphoonSim) and log in with your e-mail and password.
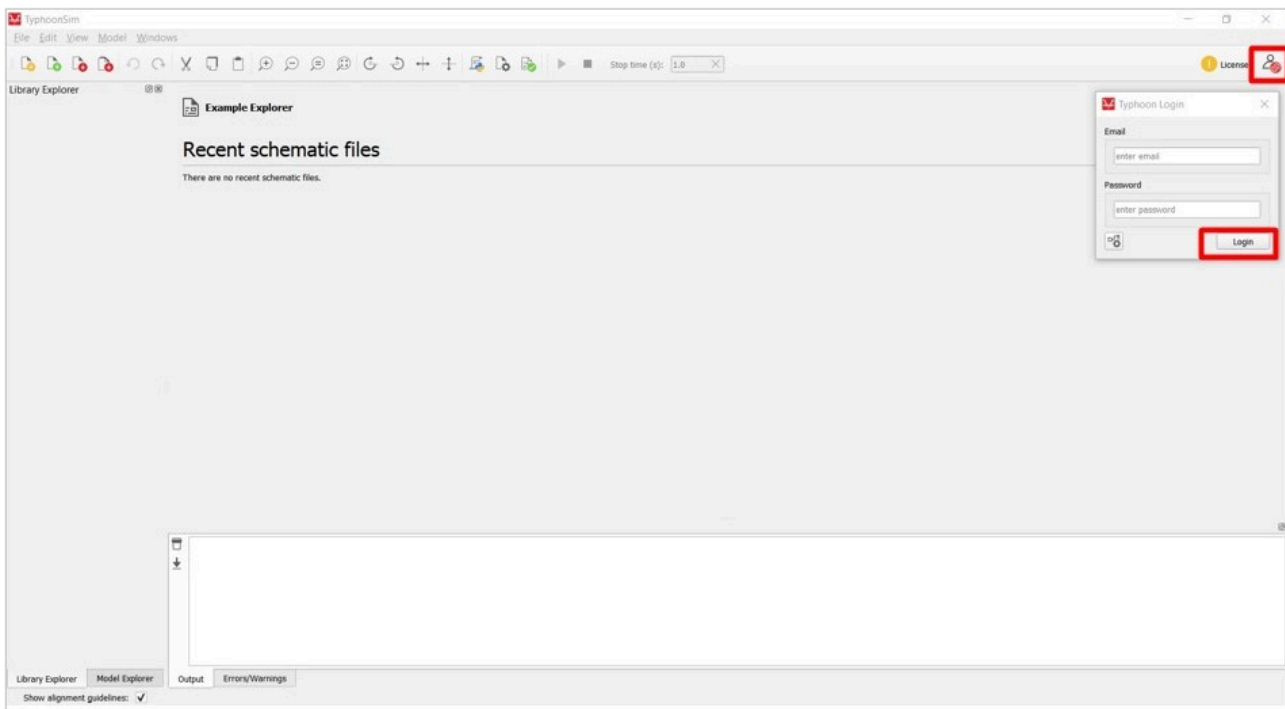
Figure 6: Login to TyphoonSim

After logging in, you must restart the software to apply the license. If you logged in correctly, after restarting the software, the Login button will appear green.

Running your first simulation

After you have logged in and started the software again, you are ready to run your first simulation. We will use a model of a simple RLC circuit to get you familiar with the TyphoonSim environment.

1. After opening TyphoonSim, select the Example Explorer icon and find the **RLC circuit** model.
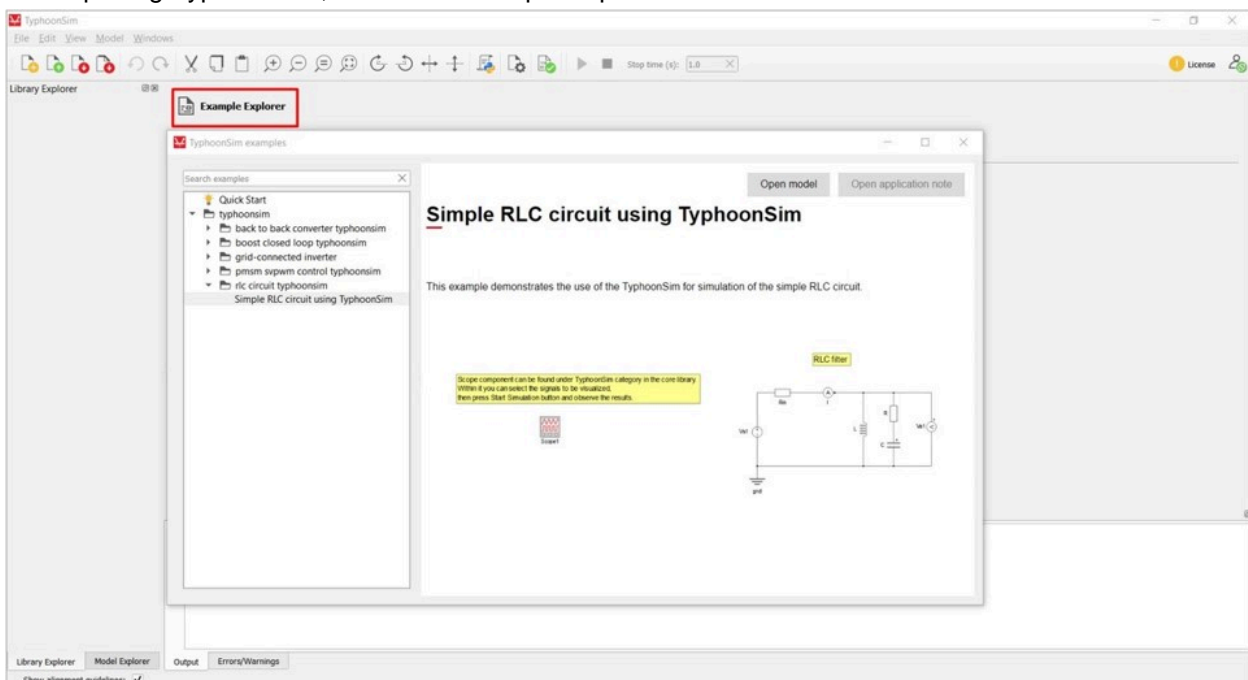

Figure 7: Simple RLC circuit example in TyphoonSim

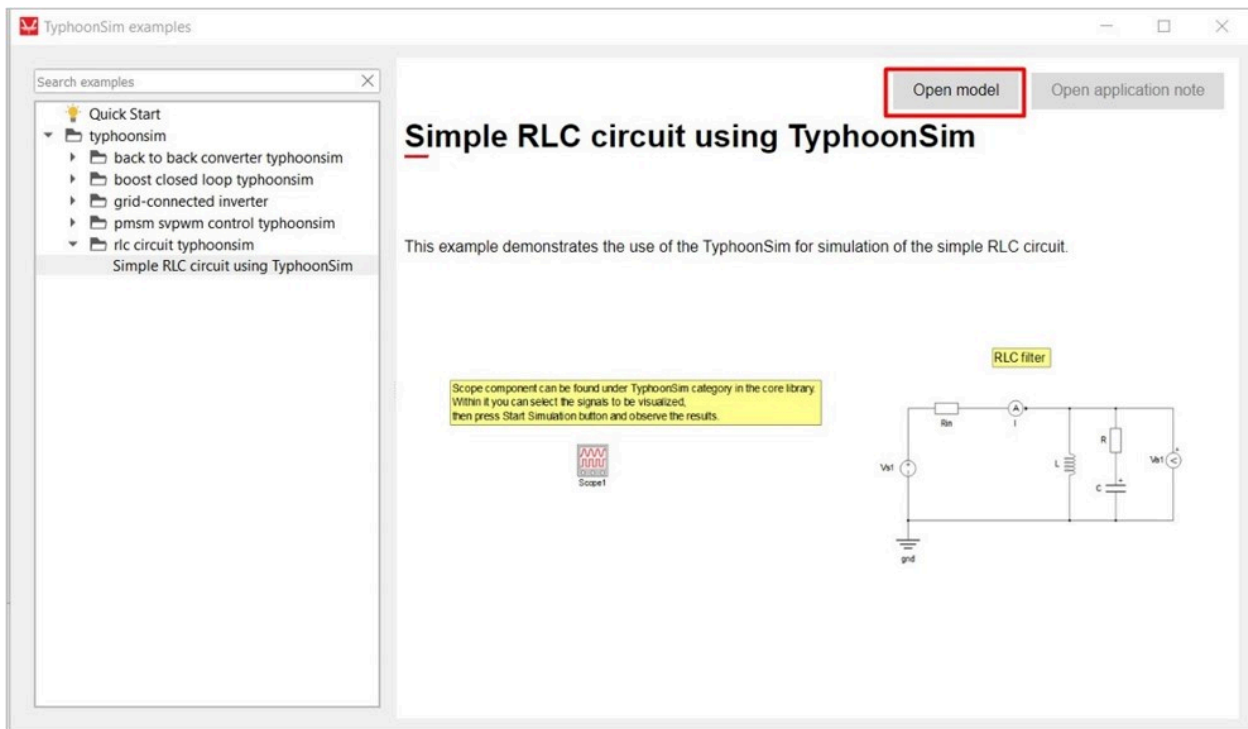**2.** Select the **Open model** button.

Figure 8: How to open an example model

The model will now open in **Schematic Editor**. If this is your first time opening **Schematic Editor**, it may take some time while libraries are loaded.
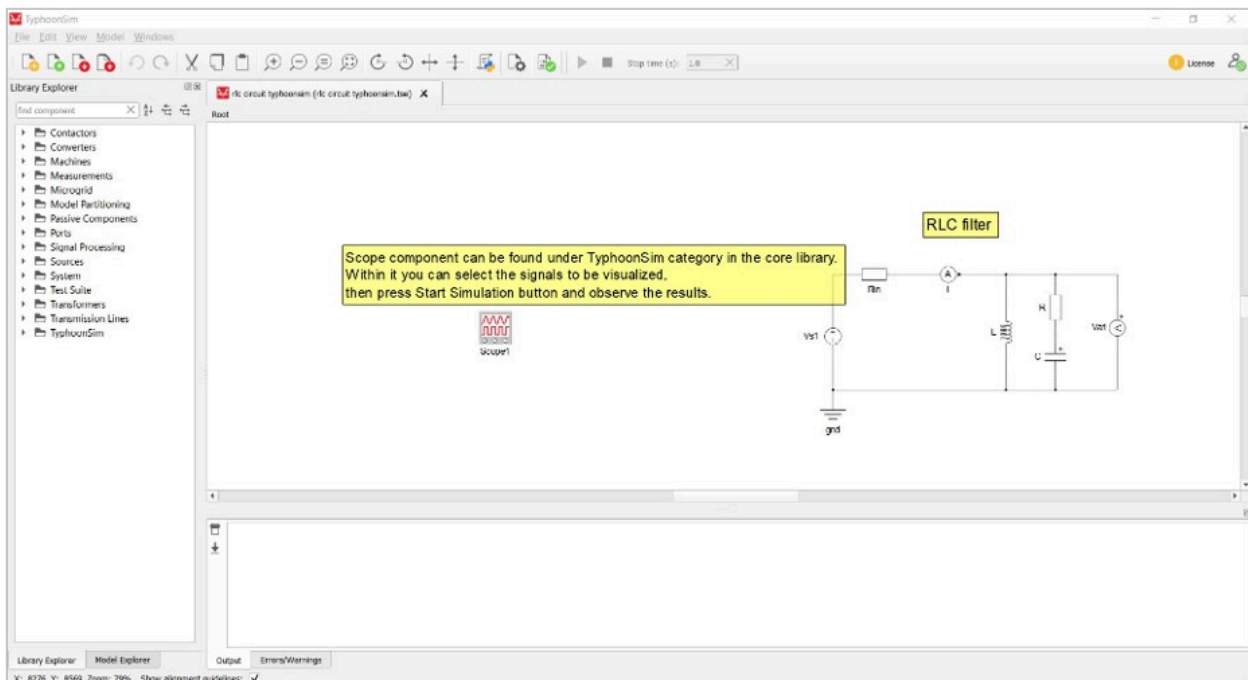

Figure 9: Simple RLC circuit model in Schematic Editor

To run the simulation, set the **Stop time** and press the **Start Simulation** button.

Figure 10: Start Simulation button and Stop time settings

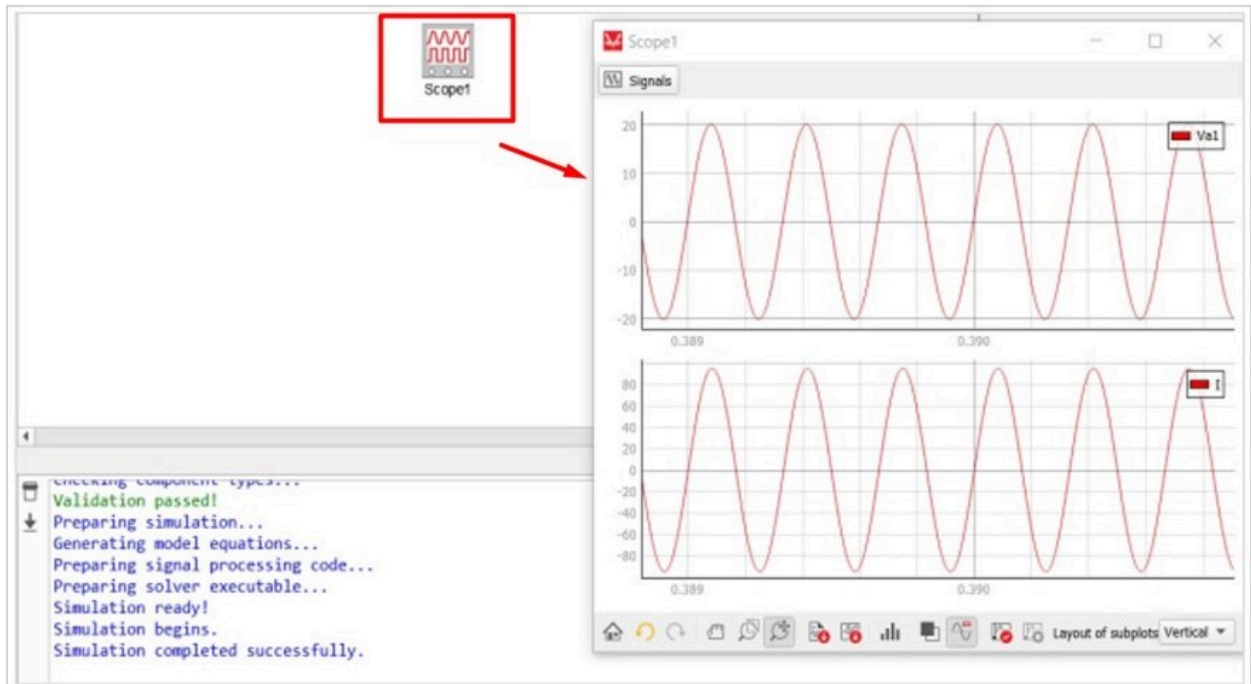When the simulation is completed successfully, you can observe the results within a Scope component.

Figure 11: Observing results within a Scope component