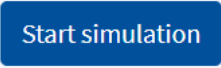
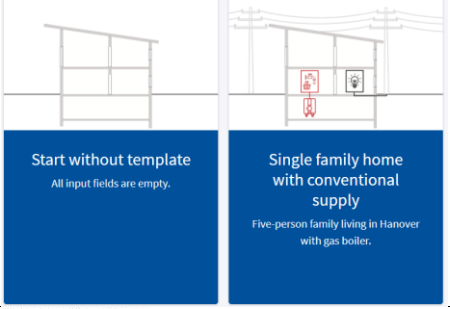

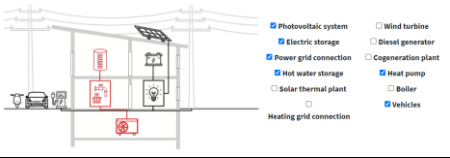


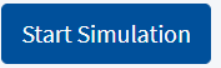
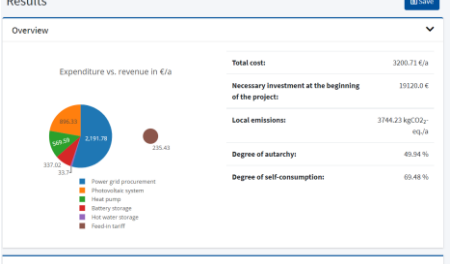


## NESSI – Short manual

Step 1:	Go to <a href="https://nessi.iwi.uni-hannover.de/en/">https://nessi.iwi.uni-hannover.de/en/</a> and click on “Start simulation”.	
Step 2:	You have the option to select a predefined template or creating your own scenario. If you create a user account, your saved scenarios are displayed here to reuse as a template.	
Step 3:	1) First, the building location is determined to retrieve the appropriate MERRA-2 weather data.	<p>1. Choose location for weather data</p> 
	2) The system components to be considered in the simulation need to be selected.	<p>2. Compose the building</p> 
	3) Add information about the use of the building and load profile. You also have the option to upload own load profile. Adhere to the structure of the linked example file.	<p>3. Choose load profile</p> <p><input type="checkbox"/> Upload own load profile</p> <p>Building use: Residential purpose</p> <p>Load profile: Working couple with 3 children</p> <p>Please choose the building use first. The load profiles contain electricity and hot water demands. The room heating demand is calculated separately in the next step.</p>
	4) Add information for the calculation of the room heating demand.	<p>4. Make input for the room heating demand calculation</p> <p><input type="checkbox"/> Do NOT calculate the room heating demand.</p> <p>Insulation: 90,0 kWh/(sqm*a)</p> <p>Area: 120,0 sqm</p>
	If required, additional individual adjustments are available under “Expert settings”.	
Step 4:	5) Click on „Next“ to confirm the inputs.	
Step 5:	Now the parameters of the selected components can be specified in more depth and adapted to individual requirements.	
Step 6:	Clicking „Start simulation“ starts the energy system simulation.	
Step 7:	In the subsequent window, a general overview appears with important technical, economic, and ecological key figures. Additionally, you can obtain information on the individual system components by opening the tabs below.	
Step 7:	There is the option to save scenarios. To do this, click on “Save” and save the scenario by entering a name and a description. For this step, a user account is needed, that you can create after clicking “Save”.	