

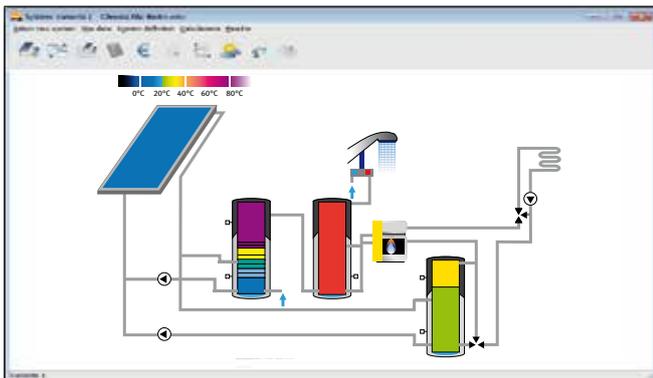


Simulate accurately to stay ahead

The Valentin Software team would like to support young academics in the field of renewable energy. We therefore offer educational institutions special prices for our leading planning and simulation software for the design, yield calculation and financial forecasting of photovoltaic, solar thermal and heat pump systems. The software is also available as a network version. Convince yourself of the application and accuracy of our software in the **specialist fields of photovoltaics (PV*SOL®), solar thermal (T*SOL®) and heat pumps (GeoT*SOL®)**.



T*SOL®, used in over 90 countries around the world, is the program for the simulation of thermal energy systems with integrated solar. In T*SOL® the parameter variation allows multiple simulations to be carried out in parallel to optimize system parameters (such as the collector area and storage volume). The functionality of the systems can easily be controlled by the visualization of the most important system temperatures during the simulation. The various results after simulation include the energy flows and system temperatures in 6-minute resolution, which can be displayed both graphically and in tabular form.

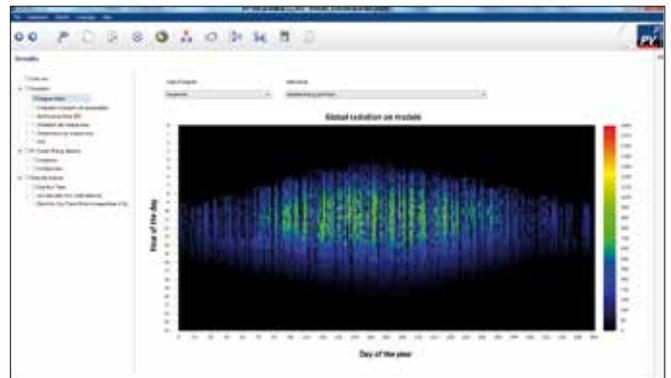


Temperatures during the annual simulation



PV*SOL premium

PV*SOL® premium is the world's most widely used program for the simulation of photovoltaic systems. PV*SOL® premium is intuitive and ideal for practical exercises. With the 3D visualization, complex shading situations can be easily modeled and the effects of shading on the yield can be precisely calculated for each module at any time. The integrated financial analysis allows students to examine the economic impact of different system designs. The simulation results provide an excellent opportunity to monitor the occurrence of maxima, minima, regularities and deviations.



Detailed simulation results in a carpet plot

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