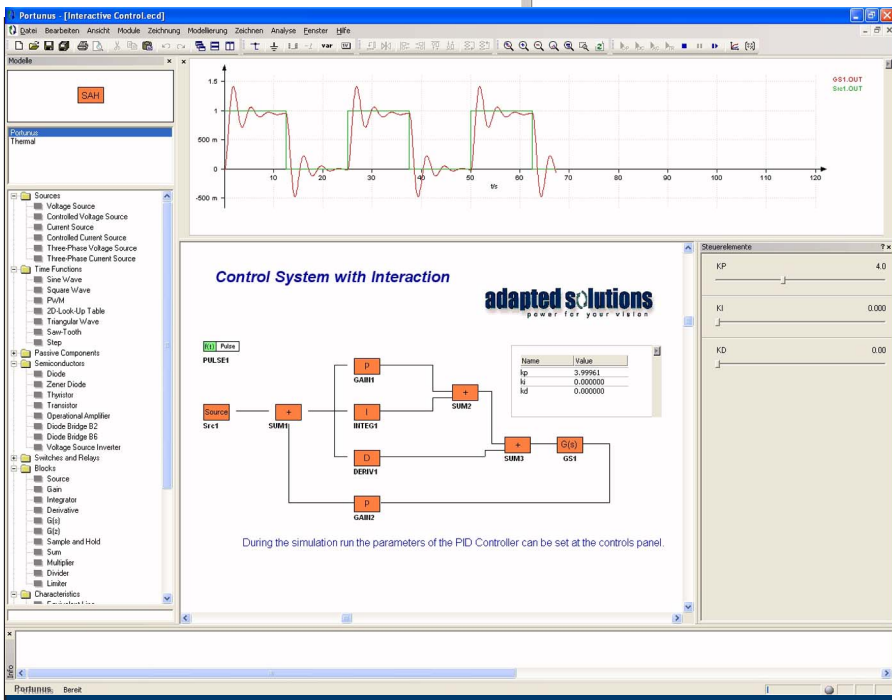
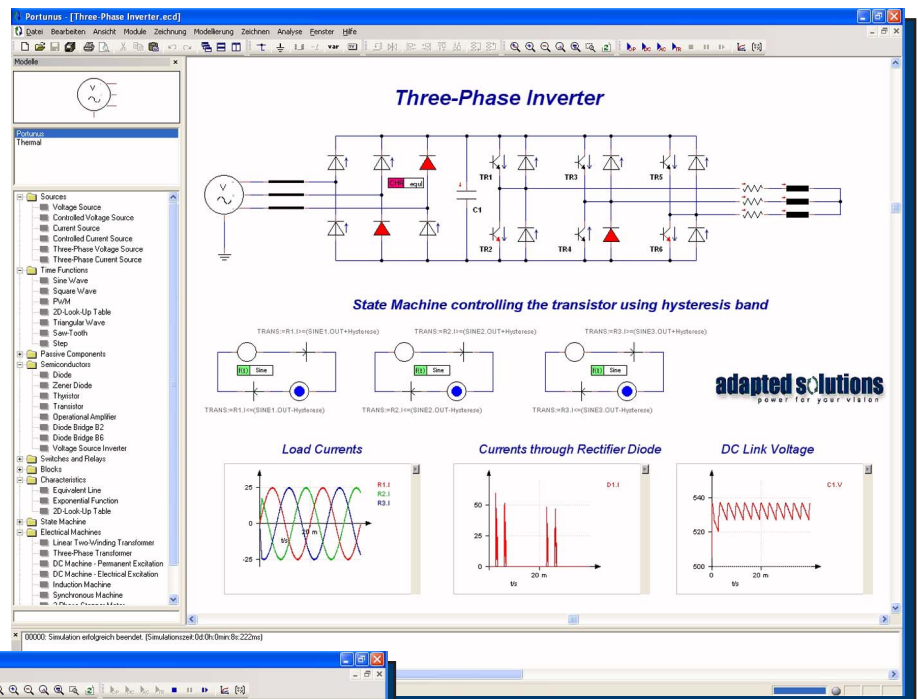


# Portunus

Portunus is a system simulator that has been developed especially for the calculation of mechatronic systems. Possible applications range from the simulation of drive systems and switched mode power supplies to investigation of the heating of electronic components.

Several modelling approaches (network, block diagram, state machine, SPICE netlists) are available for the simulation of electrical, mechanical and thermal systems. With Portunus you may run different analysis types (simulations in the time and frequency domain, calculation of steady-state and operating point). The effect of parameter variations may be calculated and displayed automatically. Alternatively, it can be visualized using the interactive capabilities of the software.



Portunus comes with a comprehensive model library which already includes simulation models of common electrical machines and power electronic topologies. The available interfaces expand the functionality of Portunus, e.g. to provide the possibility of the validation of microcontroller source code.

An ergonomic graphical user interface allows the comfortable description of the system to be modelled. The implemented sub-sheet technology makes it possible to separate sub-systems and therefore improve the clarity of the system representation.

Portunus is not only the ideal tool for the development of new products; it provides brilliant opportunities for educational and training purposes as well.

## Technical Requirements

Operating System Windows 2000 and XP Standard-PC with min. 32 MB RAM (recommended: 64 MB or more) and 10 MB free hard disc space.  
Single-user licence or network license server (tied to the ID of hard disc or network card – more options available on request)

