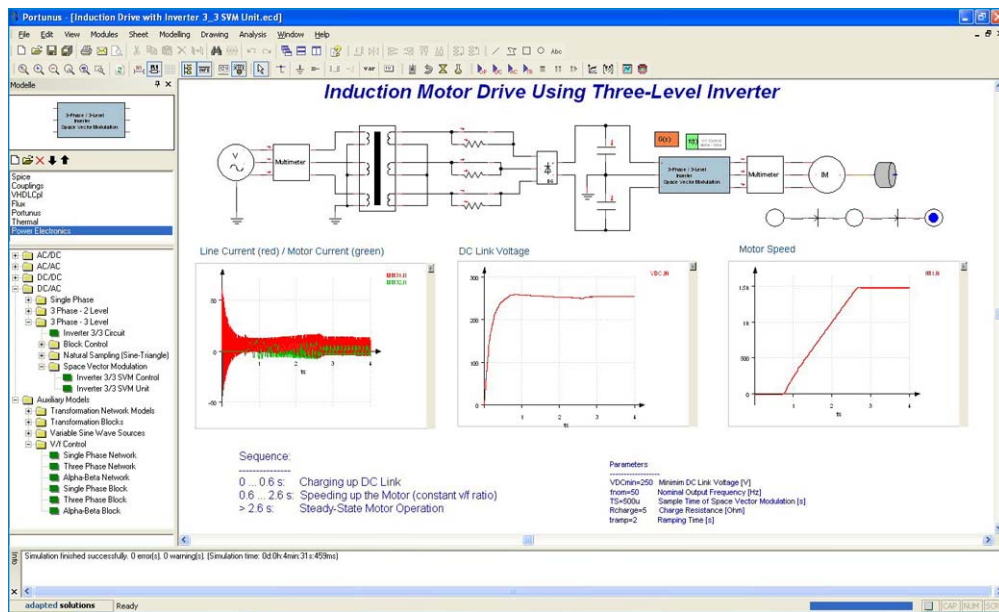


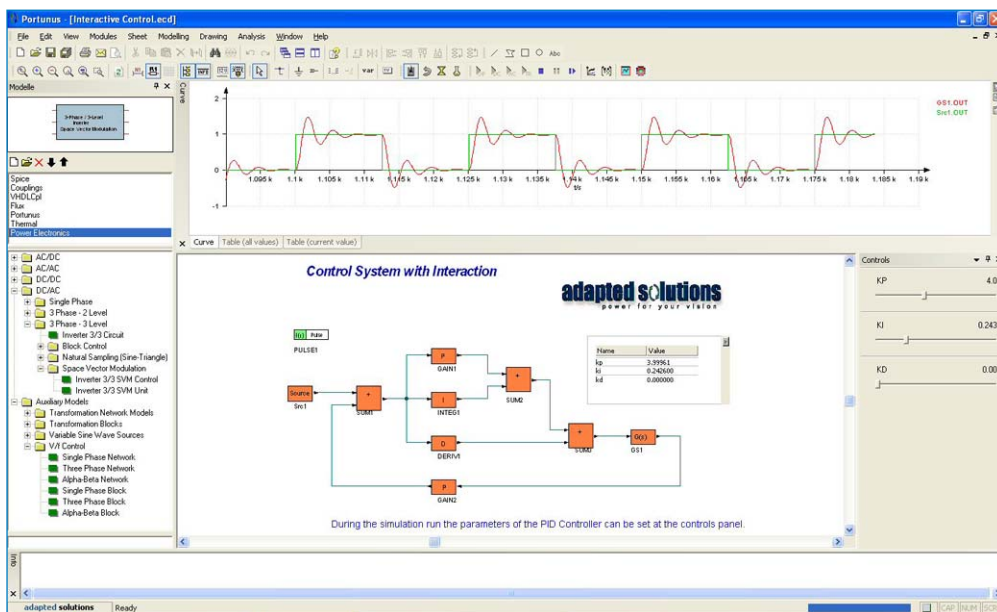
Portunus

Portunus is a system simulator whose 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) are available for the simulation of electrical, mechanical and thermal systems. The support of the international standards VHDL-AMS and SPICE allows for the exchange of models with other simulation tools. With **Portunus** different analysis types such as simulations in the time and frequency domain, calculation of steady-state and operating point can be run. The effect of parameter variations may be calculated and displayed automatically or investigated by using the interactive capabilities of the software. The powerful simulator functions are supported by an ergonomic graphical user interface with subsheet technology.



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Portunus comes with a comprehensive model library which is complemented by the add-ons **Thermal Library** and **Power Electronics Library**. The **Portunus** functionality is expanded by use of the available interfaces to leading software products like **FLUX**, **Matlab/Simulink**, **Motor-CAD**, **SPEED** and **InCa3D**. The simulator coupling with **µVision** provides the possibility of validating microcontroller source code. Programming and automation interfaces complete the possibilities to integrate **Portunus** into the design process.

Technical Requirements

Portunus® runs under Windows® XP, Windows® 7 and Windows® 8. Portunus® may be installed at a local machine or in a network.