



Portunus 6.1 with XML Interface

A number of new interfaces, models and features in version **6.1** of the simulation software **Portunus®** by **Adapted Solutions** lead to a higher functionality and benefits for its users.

The **support of the XML format** in Portunus 6.1 allows for the external generation of models or net lists and their automated simulation. Another new development is a module which can be used to create **Stand-Alone Applications**. With it, potential users that do not own a Portunus license may get an executable file as part of a project work. This file comprises selected Portunus schematics and the program modules necessary to run simulations.

New components (matrix models to consider inductive, capacitive and resistive couplings, table-based heat sink model, models of frequency-dependent base components) have been added to the Portunus libraries and functions of existing models (power electronic switch with free-wheeling diode, N-dimensional table model) have been expanded.

The **equation solver** has been revised which leads to shorter calculation times and higher accuracy for many models.

New functions of the **automation interface** provide access to internal values of the model dialogs which is especially useful for the data import from files. The **"Wizard Interface"**, a new development too, allows for the coding of dedicated input dialogs ("wizards") by the user.

A third-party product called **"Optimization Workbench"** for easy definitions, executions and analyses of parameter sweeps and optimizations completes the range of new features in Portunus 6.1.

