

## **CEDRAT Group with ADAPTED SOLUTIONS announces the Release of PORTUNUS 2.1**

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The CEDRAT Group announces the release of the latest version of the system simulation software PORTUNUS by ADAPTED SOLUTIONS. With V2.1 a new generation of this versatile simulation package is available for the first time. It expands the capabilities of the software family provided by the CEDRAT Group and its partners.

The main focus of the development work has been providing a base for the integration of description languages. As a first result of these efforts, net lists in the SPICE format can be integrated into PORTUNUS simulations. With PORTUNUS 2.1 SPICE net lists can be handled in a similar way to all other model types available in PORTUNUS. Special features such as an integrated net list editor with syntax colouring and the improvements in the library management make the import as convenient as possible.

With the new PORTUNUS version a major update of the THERMAL LIBRARY is available as well. It has been expanded with new models to calculate the heat transfer within cylinders, power electronic devices and heat sinks. New components can be used for the coupling of electrical and thermal simulations. Improvements in the graphical user interface now allow the complete parameterisation of the models of the THERMAL LIBRARY. With this feature the effects of geometry variations can be investigated automatically using the parameter variation options offered by PORTUNUS.

The implementation of new models for the simulation of translational movement expands the PORTUNUS capabilities in terms of mechanical systems. This is accompanied with the new ability to handle three-dimensional look-up tables and it is especially useful for the modelling of electro-mechanical systems.

A trial version of PORTUNUS 2.1 (expiry date at March 31) can be downloaded from [www.adapted-solutions.com/Portunus21.exe](http://www.adapted-solutions.com/Portunus21.exe).

### **+ + + About PORTUNUS**

PORTUNUS offers a combination of different modelling approaches using networks, block diagrams and state machines to facilitate the investigation of systems behaviour. Possible applications range from power supplies, power electronic circuits and drive systems up to controls and automotive components. In addition to the analysis of electrical behaviour, PORTUNUS allows the evaluation of mechanical and thermal properties.

Information about PORTUNUS can be found at [www.adapted-solutions.com/Web/pdf/PortunusInfoblatt.pdf](http://www.adapted-solutions.com/Web/pdf/PortunusInfoblatt.pdf).

### **+ + + About CEDRAT Group / ADAPTED SOLUTIONS**

The aim of the CEDRAT Group is to propose innovative solutions in the electrical and mechatronic fields, from the development of software tools to the study, conception and production of systems. Well-known for its FLUX software, and European leader in the simulation of low frequency electromagnetic phenomena, the group offers a full range of software solutions for electrical engineering.

Further information can be found at [www.adapted-solutions.com](http://www.adapted-solutions.com).

Since its creation in 2003 ADAPTED SOLUTIONS has developed and marketed a number of simulation products. Beside general solutions such as PORTUNUS, the company provides application-specific solutions which are developed in close cooperation with customers.

Further information can be found at [www.cedrat.com](http://www.cedrat.com).

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