

- PRESS RELEASE -

New Simulation Project Environment in CST STUDIO SUITE 2012

Manchester, UK, October 11, 2011, Computer Simulation Technology (CST) will be previewing the new System Assembly and Modeling (SAM) environment at EuMW 2011, booth #213.

Today's design engineers have to deal with increasingly complex systems whose performance might be affected by the interdependence of components. Consequently, the optimization of the individual components in isolation is still important but might not suffice and an optimization of the entire system may be required. System Assembly and Modeling (SAM) provides an environment that simplifies the management of simulation projects in many ways.

SAM helps engineers to compare the results of different solvers or model configurations within one simulation project. A linked sequence of solver runs can also be initiated. All simulations and links can be defined easily in SAM to enable for example a seamless multiphysics work flow.

In addition, SAM can be used to set-up 3D systems built of various components. Simulation tasks can be defined that include single or multiple components and the user can specify which components should be simulated in 3D, and which should be represented by their S-parameters or an equivalent field source. This combination of different levels of simulation helps reduce the computational effort required to analyze a complex model accurately. If required, SAM naturally also enables users to create and simulate their system in full 3D.

System assembly and modeling provides our customers with the flexibility to decide which part of an EM-system design is currently the main focus and to tackle it in the most effective way without having to worry about an increasing number of project files," said Dr. Peter Thoma, Managing Director, R&D, CST.

About CST

CST develops and markets high performance software for the simulation of electromagnetic fields in all frequency bands. Its success is based on the implementation of unique, leading edge technology in a user-friendly interface. CST's customers are market leaders in industries as diverse as Telecommunications, Defense, Automotive, Electronics, and Medical Equipment. Today CST employs 200 sales, development, and support personnel, and enjoys a market share of over 30% in high frequency 3D EM simulation.

CST's flagship product, CST MICROWAVE STUDIO® (CST MWS) is the market leader in Time Domain simulation. It enables the fast and accurate analysis of high frequency devices such as antennas, filters, couplers, planar and multi-layer structures and SI and EMC effects. CST MWS can offer considerable product to market advantages such as shorter development cycles, virtual prototyping before physical trials, and optimization instead of experimentation.

Further information about CST is available on the web at <http://www.cst.com>.

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Graphics

PR graphics can be downloaded from the news section of CST's website at:

http://www.cst.com/Content/News/Documents/news_item_173/1110_SAM_2012_PR.zip

"System Assembly and Modeling: assembled antenna including Ortho Mode transducer, horn antenna and reflector."