

- PRESS RELEASE -

MAGUS (PTY), CST and EMSS announce the next major release of Antenna Magus, version 3.0 – users can now add their own antennas to the Antenna Magus database

Stellenbosch, South Africa & Darmstadt, Germany, April 20th, 2011, MAGUS (Pty) Ltd, CST - Computer Simulation Technology AG (CST), EMSS - EM Software & Systems-S.A. (Pty) Ltd announce the release of the third major version of Antenna Magus.

Antenna Magus offers the first antenna knowledge management system especially designed for antenna engineers. Years of accumulated antenna knowledge can now be managed in a logical way which is familiar to antenna engineers, as users are now able to add their own custom antennas to the existing Antenna Magus database.

The product database now boasts 148 antenna topologies and 7 transitions which can be designed for a wide variety of objective values. Validated simulation models of user-designed antennas can be exported to FEKO[®] and CST MICROWAVE STUDIO[®].

Utilities and libraries that have been added to the Antenna Magus toolbox help simplify everyday antenna-design tasks. One addition is the new Chart Tracing tool which converts scanned graph images to numbered (X,Y) or (r,theta) values by simply following the traces with the mouse pointer.

“Soon after the first release of Antenna Magus we received numerous requests from customers who wanted to add their own antennas and designs to the Antenna Magus database. Having a tried and tested system that was already regularly used by our own engineers in developing content for our product, and having received valuable feedback from a group of selected users, we developed a way to store antenna information which makes sense to antenna engineers,” stated Sam Clarke, Managing Director, MAGUS (Pty) Ltd. “We are confident that this feature will not only improve the way antenna information is managed but will become the norm for any organisation who wants to capture, reuse and share valuable knowledge efficiently.”

Highlights of Antenna Magus 3.0

- Antenna knowledge management feature
- 148 antennas and 7 new transitions in the database
- Floating (Network) licences available
- Chart tracing tool to capture scanned graphs and images
- Added waveguide library

Availability

Antenna Magus Version 3.0 is immediately available and can be purchased through any CST or FEKO reseller.

About MAGUS (Pty) Ltd

MAGUS (Pty) Ltd develops antenna design and information management software. Antennas designed using its software can be used in a wide variety of applications at various frequency bands, including, but not limited to, telecommunications, mobile devices, aerospace, satellite, automotive, radio astronomy and defence. For further information please visit www.antennamagus.com.

About CST – Computer Simulation Technology AG

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 operate in industries as diverse as Telecommunications, Defense, Automotive, Electronics, and Medical Equipment, and include market leaders such as IBM, Intel, Mitsubishi, Samsung, and Siemens. With 180 employees worldwide and a network of qualified distributors, over 220 people are dedicated to the development and support of its EM products in more than 30 countries.

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 offers 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 www.cst.com.

About FEKO and EMSS - EM Software & Systems-S.A. (Pty) Ltd.

FEKO® is a comprehensive computational electromagnetics code (CEM code) used widely in the telecommunications-, automobile-, space- and defence-industry. FEKO offers several solution techniques (MoM, MLFMM, PO, GO (Ray Launching), UTD and FEM) under a single licence. Hybridisation of these techniques enables the efficient analysis of a very broad spectrum of EM problems e.g. 3D antenna design, antenna placement on electrically large structures, microstrip-antennas, microstrip-circuits, EMC, biomedical and scattering. With the MLFMM, and the true hybridisation of the solvers, FEKO is considered the global market leader for antenna placement analysis. FEKO has a well established global distribution and technical support network with subsidiary companies in North America and Europe and representatives in 9 other countries.

EMSS was started in 1994 as an engineering company consulting in general electromagnetic problems.

For further information, visit www.feko.info.

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