

- PRESS RELEASE -

New Antenna Design Product Launched

Stellenbosch, South Africa, Darmstadt, Germany, 1 May 2009 - Magus (Pty) Ltd., CST - Computer Simulation Technology AG (CST), EM Software & Systems-S.A. (Pty) Ltd. today announce the release of a new software product to accelerate the antenna design and modelling process. Antenna Magus – the first antenna design tool of its kind – has a huge database of antennas that can be explored to find, design and export models of designed antennas to CST MICROWAVE STUDIO® and FEKO. It is expected that Antenna Magus will become an invaluable aid to antenna design engineers, to EMC engineers requiring antenna models and to system integrators who require antenna models for antenna placement studies.

About Antenna Magus

Antenna Magus is an expert system for antenna design which is suitable for a broad range of applications because of the number of antennas in its database. Its feature set is targeted at aiding engineers get to the customisation phase of an antenna design quickly and reliably. Validated, parametric models of the initial design are exported seamlessly into FEKO or CST MICROWAVE STUDIO, where customisation can be done in tried-and-trusted analysis tools. Antenna Magus will expand both the number of antennas it can design and export, as well as in the number of analysis tools it interfaces with.

“Antenna Magus was created to fill a clearly identifiable need in the market.” observes Sam Clarke, Managing Director, Magus (Pty) Ltd. *“The seamless integration with CST MICROWAVE STUDIO and FEKO will create immediate benefit for all users, regardless of experience level with these tools or antenna design.”*

Dr Ulrich Jakobus, FEKO product manager, says: *“The FEKO team is very excited about the partnership that has been set up with Antenna Magus. Antenna Magus will most definitely simplify the day-to-day work of antenna designers and modellers. We envisage that FEKO’s customers will benefit greatly from the use of Antenna Magus’s exported FEKO models while designing highly customized antennas and performing antenna placement studies.”*

“We were impressed by the product idea which is completely new to the market”, commented Dr. Bernhard Wagner, Managing Director, CST. *“We entered into this partnership with Magus Pty because this concept helps engineers at an early stage of their design with a comprehensive overview of literature, general properties, and first approximate results. It’s a great time-saver for almost everyone who deals with antennas and integrates well into the design flow offered by CST STUDIO SUITE.”*

Availability

Antenna Magus will be available immediately through all vendors of CST MICROWAVE STUDIO and FEKO.

Further information about Antenna Magus can be found at www.antennamagus.com

About Magus (Pty) Ltd

Magus (Pty) Ltd develops antenna design 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.

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 leading edge technology in a user-friendly interface. CST's customers operate in industries as diverse as Telecommunications, Defence, Automotive, Electronics, and Medical Equipment, and include market leaders such as IBM, Intel, Mitsubishi, Samsung, and Siemens. With 160 employees worldwide and a network of qualified distributors, over 190 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 (HF) 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 <http://www.cst.com>.

About FEKO and 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, UTD and FEM) enabling the 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. FEKO has a well established global distribution and technical support network. For further information, visit www.feko.info.

EMSS was started in 1994 as an engineering company consulting in general electromagnetic problems. EMSS (USA) Inc. and EMSS GmbH serve customers in North America (US, Canada and Mexico) and Europe respectively.

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http://www.cst.com/content/news/documents/news_item_134/CST_AMagus_Graphics.zip

“User interfaces of Antenna Magus and CST MICROWAVE STUDIO® illustrating an equiangular spiral antenna. Antenna designs matching technical specifications are proposed by Antenna Magus. A validated, parametric model is selected and exported seamlessly into CST MICROWAVE STUDIO, where in-depth analysis and optimization can be performed.”