

## - PRESS RELEASE -

### Antenna Magus Version 5.0 Released

**Stellenbosch, South Africa and Darmstadt, Germany, July 1, 2014, MAGUS (Pty) Ltd (MAGUS) and CST - Computer Simulation Technology AG (CST), announce the release of Antenna Magus Version 5.0 – a tool that helps engineers deliver antenna design projects faster and more effectively than ever before.**

Equipping engineers with information to make the antenna design process even quicker and more flexible has been the main focus of development in version 5.0 of Antenna Magus.

The design capabilities for all 250 antenna types in the Antenna Magus database have been upgraded to include 'Smart Design' functionality. This feature can automatically suggest practical design objectives and, as needed, can also instantly convert information provided by the designer between different representations.

A new feature of version 5.0 includes the library of specifications. This library incorporates the properties of typical design specifications used in various industries. Accessing predefined specs speeds up the design process, and helps to achieve more reliable designs. Specification information can be added to Antenna Magus by the user. It is stored and can be easily recalled for re-use in later design projects.

Many of the existing Antenna Magus capabilities have also been improved. The chart tracing tool, which allows engineers to digitize data from images of measurement or simulation plots, has been integrated into the specification library. It now includes automated extraction of representative properties such as beamwidth and sidelobe level. All elements of a design, such as parameter values and 3D images, can also be saved to file or clipboard in various text and image formats, providing easy access to resources for reporting. Antenna Magus integrates seamlessly into leading computational electromagnetic simulation tools such as CST STUDIO SUITE®, allowing engineers to move to detailed analysis and integration phases with ease.

As Antenna Magus expands, improvements and extensions are continuously being added. To make it easier for users to access the latest features as soon as they are available, a new update

mechanism has been added. All future updates and releases can now be downloaded and installed from within the tool's interface at any time.

### **Availability**

Antenna Magus Version 5.0 is immediately available and can be purchased through any CST reseller.

### **About Magus**

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 defense.

Antenna Magus aims to simplify the antenna design process using three basic steps – *Explore. Design. Deliver.* The database, currently consisting of 250 antennas, may be explored to find the optimal topology. This may then be designed to meet the system criteria, and subsequently exported as fully-parametric, ready-to-run CST MICROWAVE STUDIO models that seamlessly integrate with the design workflow.

For further information please visit [www.antennamagus.com](http://www.antennamagus.com).

### **About CST**

Founded in 1992, CST offers the market's widest range of 3D electromagnetic field simulation tools through a global network of sales and support staff and representatives. CST develops CST STUDIO SUITE, a package of high-performance software for the simulation of electromagnetic fields in all frequency bands, and also sells and supports complementary third-party products. Its success is based on combination of leading edge technology, a user-friendly interface and knowledgeable support staff. CST's customers are market leaders in industries as diverse as telecommunications, defense, automotive, electronics and healthcare. Today, the company enjoys a leading position in the high-frequency 3D EM simulation market and employs 240 sales, development, and support personnel around the world.

CST STUDIO SUITE is the culmination of many years of research and development into the most accurate and efficient computational solutions for electromagnetic designs. From static to optical, and from the nanoscale to the electrically large, CST STUDIO SUITE includes tools for the design, simulation and optimization of a wide range of devices. Analysis is not limited to pure EM, but can also include thermal and mechanical effects and circuit simulation. CST STUDIO SUITE 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 <https://www.cst.com>.

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