

- PRESS RELEASE -

Antenna Magus Version 2016 Released

Stellenbosch, South Africa and Darmstadt, Germany, July 20, 2016, MAGUS (Pty) Ltd (MAGUS) and CST - Computer Simulation Technology AG (CST), announce the release of Antenna Magus Version 2016 – a tool that helps engineers deliver antenna design projects faster and more effectively than ever before.

The main goal of this new release is to streamline workflows and accelerate the design process, while making insight and information about antenna designs more accessible. This gives engineers the understanding needed to compare and select from alternative designs at an early stage in the design process, which can reduce the time and effort required for the full design cycle.

Antenna Magus 2016 introduces a Specification-driven workflow based on the Smart Design and Specifications introduced in version 5. Users can select a Specification template according to application (e.g. satcoms or mobile communication), industry (e.g. aerospace or nautical) and frequency band (e.g. ISM or radar bands), or create a custom template for their specific application. Antenna Magus then suggests a range of antenna designs synthesized to match the specification. As the Specification is refined and adjusted, the design candidates proposed to achieve the Specification are automatically updated.

New and improved antenna designs are regularly published in literature, and Antenna Magus always works to include these in new releases. Antenna Magus 2016 introduces Suggestion tools, putting users in direct contact with Antenna Magus developers to request new antenna types and features that they would like to see added to Antenna Magus.

“Our aim when developing Antenna Magus has been to create an intelligent design tool that frees engineers from the inefficient routines of antenna design, and the Specification workflow is a key part of this,” said Brian Woods, Managing Director, MAGUS. *“The new workflow, when coupled with the capability to design over 300 types of antenna and transition types, libraries and tools including the new RF coaxial connector library and exciting new comparison views in a refined interface, provides a powerful and unique capability for antenna designers and antenna system analysts when dealing with new applications and evolving requirements.”*

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 steps – Explore. Design. Deliver. Antenna Magus can currently be used to explore and design over 300 antenna types, to find the optimal topology that will meet the system criteria. Designs can subsequently be exported as fully-parametric, ready-to-run CST MICROWAVE STUDIO models that seamlessly integrate with the larger design and analysis workflow.

For further information please visit 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 a 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 over 300 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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Downloads

- This press release is available in PDF format:
<https://www.cst.com/~/media/CST/Products/Antenna-Magus/Files/2016-7-AM-web.ashx>
- Graphics are available to download from:
- https://www.cst.com/Content/News/news_item_239/Spec-chooser-2.png
 - “The Specification Chooser provides a range of pre-defined templates to narrow down the range of candidate designs according to the application.”
- https://www.cst.com/Content/News/news_item_239/New-antennas-2.png
 - “Antenna Magus includes hundreds of antenna types, and users can now request new antenna types with the “Suggest Antenna” feature.”