



Press Release

Antenna Magus Version 2017 Released

Stellenbosch, South Africa, and Darmstadt, Germany, March 17 2017, Magus (Pty) Ltd (Magus) and CST – Computer Simulation Technology AG (CST) announce the release of Antenna Magus 2017, the latest version of the leading antenna design tool. The latest edition includes several new antennas and design updates.

Antenna Magus includes over 300 antennas, and the Specification-based workflow introduced in 2016 allows users to find, design and export suitable antennas based on their requirements. The 2017 version introduces 13 new types. Four specialized horn antennas have been added – the smooth spline profiled pyramidal horn, the 4 waveguide-fed dual polarized pyramidal horn antenna, the waveguide-fed pyramidal array and the TEM horn with magnetic dipoles (or “Koshelev antenna”).

There are also five antennas commonly used in RF application notes and reference designs. These are standard antennas such as the PIFA and the meandering monopole, which are provided by RF component manufacturers for testing during product development. With Antenna Magus, these can now be customized for different frequencies or different substrates, and parametric models can be directly created for 3D simulation with CST STUDIO SUITE®.

Finally, there are four other antennas for special applications: the square truncated capacitively-pinned circularly polarized patch, the self-phased backfire quadrifilar helix, the six mode loop antenna and the center-fed linear resonant waveguide slot array with longitudinal broad-wall slots.

The 2017 version also sees improvements to the Specification and Array Design workflows to streamline the design process. In addition, Antenna Magus is now entirely 64-bit and various performance improvements have been made to individual features. Meanwhile, CST customers who have both CST STUDIO SUITE and Antenna Magus can now manage both licenses within the same tool.

“With the 2017 release, many ‘behind the scenes’ changes are starting to become visible in Antenna Magus,” said Brian Woods, Managing Director, Magus. *“With new antennas, extended functionality and improved performance we believe that 2017 will be a successful and productive year for our users and for Antenna Magus.”*

Customers can download the latest version from the CST support area www.cst.com/support.

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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. For further information please visit www.antennamagus.com.

About CST- Computer Simulation Technology AG

Founded in 1992, CST is a market leader in delivering 3D electromagnetic (EM) 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 EM fields in all frequency bands. Its growing success is based on a combination of leading edge technology, a user-friendly interface and knowledgeable support staff. CST solutions are used by market leaders in a diverse range of industries, including aerospace, automotive, defense, electronics, healthcare and telecommunications. On September 30 2016 CST joined the SIMULIA brand of Dassault Systèmes. Further information about CST is available on the web at www.cst.com.

About SIMULIA

The SIMULIA brand of Dassault Systèmes enables users to leverage physics-based simulation and high-performance computing to power sustainable innovation for products, nature, and life. As an integral part of the Dassault Systèmes 3DEXPERIENCE platform, SIMULIA realistic simulation and optimization applications accelerate the process of making mission-critical design and engineering decisions before committing to costly and time-consuming physical prototypes. www.3ds.com/simulia.

About Dassault Systèmes

Dassault Systèmes, the 3DEXPERIENCE Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 210, 000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.

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