

ANTENNA MAGUS

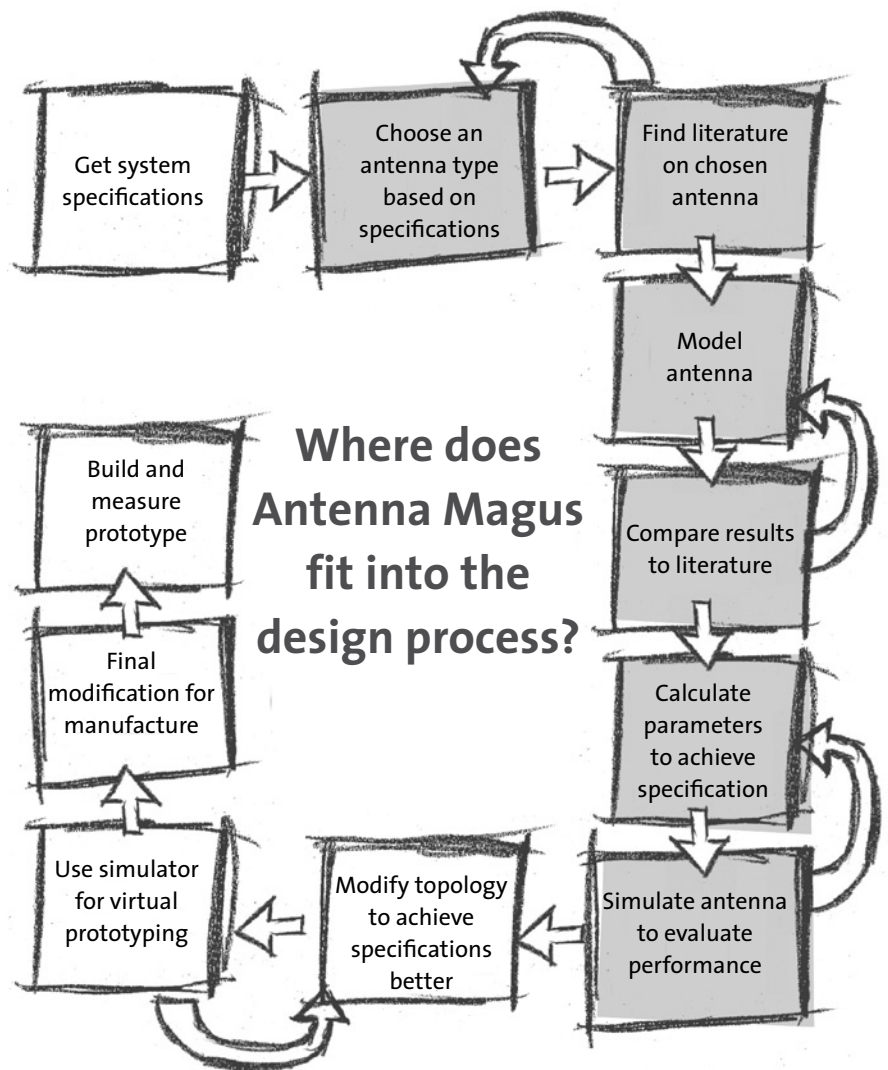
The first antenna design tool of its kind

Antenna Magus is a new software tool to help engineers accelerate the antenna design and modeling process. It has a huge database of designed antennas which can be exported to CST MICROWAVE STUDIO® (CST MWS) for further analysis and optimization. This simplifies the day-to-day work of antenna designers ensuring that more projects are completed within specification and on time.

Antenna Magus offers an extensive database of antennas which is easily searchable. It not only highlights the unique characteristics of an antenna, but also gives other general information. This helps engineers find and select antennas according to given requirements as well as compare relevant information between antennas.

Its feature set is targeted at aiding engineers get to the customization phase of an antenna design quickly and reliably. Validated, parametric models of the initial design are exported seamlessly into CST MWS, where in-depth analysis and optimization can be performed.

It is expected that Antenna Magus will become an invaluable aid to antenna design engineers, and to EMC engineers and system integrators who require antenna models e.g. for antenna placement studies.



FREE EVALUATION VERSION DOWNLOAD

If you are interested in Antenna Magus, you can download a free evaluation version from the CST website. Please note, this version is limited in time as well as in functionality. [HTTP://WWW.CST.COM/ANTENNAMAGUS](http://www.cst.com/antennamagus)

Antenna Magus is a product of Magus (Pty) Ltd. It can be purchased through CST distribution channels.



EXPLORE

Antenna Magus' quick keyword based search helps to explore the huge database of antennas.

Unlike most literature, Antenna Magus highlights unique and general characteristics of each antenna which makes it easy to compare antennas with each other and more importantly compare them with the given requirements.

The Antenna Magus database is continually being updated and released with new antenna models and designs so engineers can efficiently explore their options and be confident that their bases are covered.

DESIGN

Antenna Magus includes a database of antennas that can be designed for specific objectives like gain, bandwidth and beamwidth. Each antenna is thoroughly researched and design algorithms undergo various tests and validation routines to confirm that they work properly for a wide range of objective combinations.

ESTIMATE PERFORMANCE

Antenna Magus knows the topology and the environment of the antenna and can make certain approximations which can speed up analysis time while still giving reasonable estimated performance. The user can study the relationship between certain physical parameters within given constraints and the antenna's performance before making non-standard changes and additions to the antenna

EXPORT

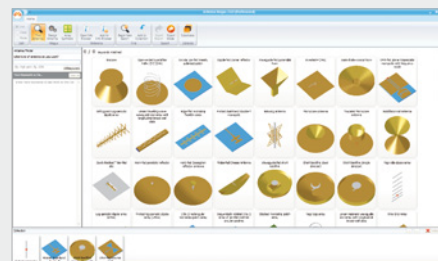
Antenna Magus' export functionality allows more time to be spent on antenna design and less time on mastering simulation software. Antenna Magus generates a parametric and "ready to run" model of the user's designed antenna which can be exported in CST MICROWAVE STUDIO® file format.

More information and a free evaluation copy are available from the CST website.

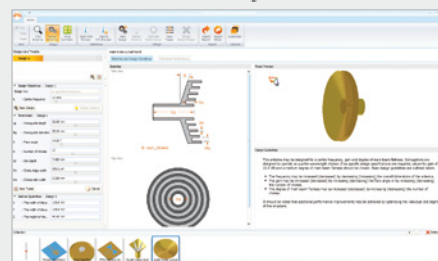
ARRAY SYNTHESIS

The array synthesis tool in Antenna Magus assists engineers in designing and evaluating arrays of different shapes and sizes with different excitation distributions and various radiating elements. The array synthesis tool supports the import of custom array-layouts and export of synthesised 3D array patterns to CST MICROWAVE STUDIO®.

Explore



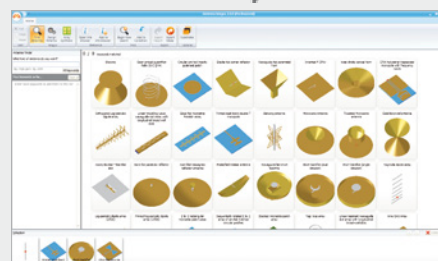
Design



Estimate Performance



Export



Array Synthesis

