

Press release – January 23, 2013

Optenni Announces Worldwide Distribution Agreements for Optenni Lab with CST and EMSS

Espoo, Finland, January 23, 2013. Optenni Ltd. has signed worldwide distribution agreements for the Optenni Lab matching circuit optimization software with both Computer Simulation Technology AG (CST) and EM Software & Systems-S.A. (Pty) Ltd (EMSS).

Optenni Ltd, CST and EMSS are pleased to announce that the Optenni Lab™ matching circuit optimization software is now available through the global CST (developer of the EM simulation software CST STUDIO SUITE®) and EMSS (developer of FEKO™ 3D EM simulator) sales channels. Optenni Lab will be fully supported by the sales and technical support teams of both CST and EMSS and their distributors worldwide.

An important challenge in the daily work of antenna design engineers is to ensure the technical specifications are met for antenna bandwidth and efficiency. These characteristics can be enhanced significantly faster and easier using matching circuits than by modifying the antenna's geometry. Traditionally, designing matching circuits has required special expertise in the areas of impedance matching and circuit simulation tools.

Optenni Lab provides fully automatic matching circuit generation and optimization routines. The user only needs to specify the desired frequency range and number of components in the matching circuit after which Optenni Lab provides a choice of optimized matching circuit topologies. Optenni Lab uses accurate inductor and capacitor models from major component manufacturers and a fast tolerance analysis to ensure that the manufactured matching circuits will meet the design criteria.

CST, one of the two market leading providers of 3D electromagnetic simulation software, and Optenni have sustained a close technical and marketing relationship over the past two years. This has included designing a two-way link between CST STUDIO SUITE and Optenni Lab, presentations at CST User Conferences, joint webinars, video tutorials and white papers. The logical next step in enhancing service to our end customers is to distribute and support Optenni Lab directly through the CST sales channels. In addition, Optenni has lately developed an integrated workflow with FEKO, another major software tool in the antenna simulation market. Again, a distribution agreement was found out to be beneficial for a better support of antenna customers.

“We are extremely excited about this opportunity to provide complete antenna design solutions to our customers in collaboration with CST and EMSS,” commented Dr. Jussi Rahola, founder and Managing Director of Optenni Ltd. “CST has been our main technical collaboration partner for a long time and this is a natural step to leverage our synergies. We will also strengthen our collaboration with EMSS and we are expecting to reach additional market segments with them. There is great commercial and technical synergy between Optenni and both CST and EMSS and thus we are looking forward to a successful collaboration.”

“Facilitating the work of antenna designers was our key objective when starting our collaboration with Optenni two years ago. The goal was to implement a streamlined design flow that spans antenna synthesis, 3D analysis and matching,” stated Dr. Martin Timm, Marketing Director, CST. “We

are convinced that the incorporation and support of the integrated Optenni/CST product solution through our channels will greatly benefit an important application group in CST's customer base."

"It is very pleasing to complement the existing technical collaboration between EMSS and Optenni with the ability to give customers centralised and integrated support on these industry leading products. We are looking forward to working with our customers to see how we can improve our products and the way these integrate with each other and into the design workflow." remarked Dr. Gronum Smith, Director and Marketing Team Leader for EMSS.

About Optenni Ltd

Optenni Ltd develops and markets the easy-to-use Optenni Lab matching circuit generation and antenna analysis software. Optenni Lab features e.g. fast fully automatic matching circuit generation and optimization and antenna bandwidth estimation routines. Optenni Lab includes many unique innovative features such as bandwidth potential and electromagnetic isolation calculations that are not found in any other software. Optenni Lab speeds up the antenna design process and helps to design antennas with optimal total performance.

Further information is available at www.optenni.com.

About CST

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 are market leaders in industries as diverse as Telecommunications, Defense, Automotive, Electronics, and Medical Equipment. Today CST employs 200 sales, development, and support personnel, and enjoys a leading position in the high frequency 3D EM simulation market.

CST STUDIO SUITE is the culmination of many years of research and development into the most accurate and efficient computational solutions for electromagnetic designs. It comprises CST's tools for the design and optimization of devices operating in a wide range of frequencies - static to optical. Analyses may include thermal and mechanical effects, as well as circuit simulation. CST STUDIO SUITE benefits from an integrated design environment which gives access to the entire range of solver technology. System assembly and modeling facilitates multi-physics and co-simulation as well as the management of entire electromagnetic systems. 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 www.cst.com.

About EMSS and FEKO

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, GO (Ray Launching), UTD and FEM) under a single licence. Hybridisation of these techniques enables the efficient 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. With the MLFMM, and the true hybridisation of the solvers, FEKO is considered the global market leader for antenna placement analysis. FEKO has a well-established global distribution and technical support network with subsidiary companies in North America, Europe and China and representatives in various other countries. EMSS was started in 1994 as an engineering company consulting in general electromagnetic problems.

Further information is available at www.feko.info.

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