



PRESS RELEASE

7 March 2007

CADfix is chosen as pre and post processor for Efield's electromagnetic solvers

Efield AB, designer of electromagnetic analysis simulation software, has partnered with ITI TranscenData and adopted its leading data interoperability tool, CADfix, to use as the pre- and post-processor for its suite of electromagnetic solvers, also known as Efield®.

Efield offers an environment for advanced computational electromagnetic (CEM) analysis, enabling the simulation of complex electromagnetic fields such as those associated with microwave and antenna design, EMI/EMC interaction, radar cross-section analysis, and antenna installation and scattering. In order to validate concepts and make informed design decisions, such fields need to be simulated in real world environments, complete with surrounding components and buildings. CADfix is integrated with the Efield suite of solvers as an effective pre- and post-processor, providing geometry import, a user interface and sophisticated meshing to complement Efield's high-end analysis capabilities.

Harald Hermansson, Managing Director, Efield AB, explains: "Microwave design engineers have to use and reuse geometry information from one or more CAD systems, generate a suitable mesh for the chosen solution method and define parameters relevant to each specific electromagnetic problem. The simulation results must then be viewed in order to identify potential problems and suggest design solutions. The versatility of ITI TranscenData's CADfix allows us to tailor Efield's user interface using electromagnetic language and functionality that are specific to the problem at hand. CADfix also provides us with an accurate and reliable CAD import tool and advanced meshing functionality."

Efield researched alternative software solutions, but the CADfix and Efield combination offered the best solution to meet the company's specific needs. Hermansson says: "By generating subject-specific triangular, tetrahedral, Cartesian and hybrid meshes, CADfix enables us to complete work on a product significantly faster than would be possible in any other way."

Efield software is designed to analyse electromagnetic problems and compatibility issues experienced in today's advanced electronically-driven products. Its comprehensive and efficient simulation environments and parallel solvers make Efield particularly well suited for large computational problems, which occur, for example, when you study a small antenna on a large structure.

Hermansson says: "The partnership between Efield and ITI TranscenData, and the integration of the Efield suite and CADfix, provides our customers with a seamless interface to access the powerful numerical solutions that underpin our technologies."

Andy Chinn, Business Development Manager at TranscenData Europe says: "Efield's advanced computational analysis combined with CADfix's powerful CAD interaction and analysis pre-and post-processing delivers a high end electromagnetic analysis environment for today's engineering community. The implementation of our products at Efield is further proof that we have created a world class solution that continues to meet the needs of even the most advanced engineers and software developers."

Ends.

About TranscenData Europe

ITI TranscenData is the product data interoperability business within International TechneGroup Incorporated (ITI). ITI TranscenData provides interoperability solutions

that enable companies to effectively exchange, reuse, and share engineering product data among diverse software applications used throughout a manufacturing enterprise and its supply chain. ITI TranscenData solutions are aimed directly at reducing and eliminating non-value-added time and costs associated with reusing product data. ITI TranscenData solutions are distributed worldwide through a combination of direct sales, resellers, and strategic vendor/OEM partners. Included among ITI TranscenData's customers are Ford, Siemens Automotive, Kodak, Xerox, ABB, EADS, Loewe, BAE SYSTEMS, Dana Corporation, Thales, Thyssen Krupp and MAHLE Powertrain Ltd.
www.transcendata.com

About Efield

Efield AB provides an integrated environment for computational electromagnetics containing a complete set of solution techniques in both time and frequency domain. The Efield solvers are based on novel numerical methods known as hybrid methods and implemented to run efficiently on parallel computers, which makes it feasible to compute accurate solutions to real world problems. The company was started in 2006 based on the result of a large scale research project lead by KTH in Stockholm.
www.efieldsolutions.com

For further information, please contact:

Ben Bush/Lindsay Back
The Crocodile
+44(0)20 7749 4400
lindsay.back@thecroc.com/ben.bush@thecroc.com

Andy Chinn
TranscenData Europe
+44(0)1954 234 300
andy.chinn@transcendata.com

Harald Hermanson
Efield AB
+46(0)841003510
harald.hermansson@efieldsolutions.com

Issued by The Crocodile, The Lux Building
2/4 Hoxton Square, London N1 6NU
www.thecroc.com