- PRESS RELEASE -

Altium and CST® Announce Release of New PDN Analysis Extension for Flagship PCB Design Platform

San Diego, CA. USA and Darmstadt, Germany, April 20, 2016: Altium LLC and CST – Computer Simulation Technology (CST) have announced the release of a new Power Distribution Network (PDN) analysis extension for Altium Designer®, the flagship PCB design tool from Altium. PDN Analyzer powered by CST allows PCB designers to easily resolve PDN issues as they arise during a board layout process without requiring physical prototypes or dedicated simulation expertise. The PDN Analyzer provides a complete PDN analysis workflow including voltage and current visualizations in Native 3D, integrated power distribution network analysis, and a fully unified design and analysis workflow in Altium Designer. This tool is available now as an extension to the Altium Designer platform, and those interested can contact the Altium sales team to get started.

"Today's higher signaling rates, lower voltages, and higher design densities make it critical to have a very efficient power delivery network," said Jeff Loyer, Signal and Power Integrity Product Manager at Altium. *"PDN Analyzer is architected to enable designers of all experience levels to be confident that their power delivery implementations meet today's requirements. Having PDN Analyzer in Altium Designer enables engineers to quickly and easily analyze and optimize DC power performance without relying on expensive physical prototypes or disconnected, third party alternatives."*

Precise Power Analysis for Every PCB Designer

The PDN Analyzer enables PCB designers of any experience level to easily identify and resolve voltage and current issues in their PDN without ever having to leave their design workspace. With all the necessary PDN analysis tools included in the designer's workspace in Altium Designer, engineers can take advantage of:

- Precise PDN analysis for every PCB designer. Engineers can easily identify and resolve DC voltage and current density issues during the board layout process with an intuitive and easy-to-use PDN analysis tool.
- Unified design and analysis workflow in Altium Designer. Engineers can continuously analyze voltage and current performance throughout the board layout process to ensure your PDN is optimized and error-free.

- Powerful analysis technology from the CST simulation experts. Engineers can leverage over 30 years of simulation technology from the experts at CST to quickly resolve PDN issues without relying on physical prototypes.

By identifying PDN issues as part of the board layout process, engineers are able to avoid the conventional and costly practices of relying on physical prototypes or simulation experts to resolve their issues in post-design processes.

CST Simulation Technology

PDN Analyzer powered by CST expands upon the existing technology platform built by CST - Computer Simulation Technology, an industry-leader of high-performance simulation software. With the CST technology fully integrated into the Altium Designer platform, engineers have access to all the tools needed to successfully complete their design process from schematic capture to final production.

"Design and optimization of Power Delivery Networks is an essential part of creating capable devices in a timely and cost effective way," said Dr. Klaus Krohne, Market Development Manager EDA, CST AG. *"As a leading vendor of electromagnetic simulation software we are glad to provide our solution for DC Power Integrity analysis to the Altium user community. With PDN Analyzer in Altium Designer, our simulation technology is at your fingertips."*

Availability Details

PDN Analyzer is available now as a paid extension for Altium Designer. Engineers interested in learning more about this extension can learn more on the PDN Analyzer Overview page.

About Altium

Altium Limited (ASX: ALU) is a multinational software corporation headquartered in San Diego, California, that focuses on electronics design systems for 3D PCB design and embedded system development. Altium products are found everywhere from world leading electronic design teams to the grassroots electronic design community.
With a unique range of technologies Altium helps organisations and design communities to innovate, collaborate and create connected products while remaining on-time and on-budget. Products provided are Altium Designer®, Altium Vault®, CircuitStudio®, PCBWorks®, CircuitMaker®, Octopart® and the TASKING® range of embedded software compilers.
Founded in 1985, Altium has offices worldwide, with US locations in San Diego, Boston and New York City, European locations in Karlsruhe, Amersfoort, Kiev and Zug and Asia-Pacific locations in

Shanghai, Tokyo and Sydney. For more information, visit www.altium.com. You can also follow and engage with Altium via Facebook, Twitter and YouTube.

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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