



ClariPhy Engages ANSYS Power Software To Develop 100- To 400-Gigabit Semiconductor Solutions

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PITTSBURGH, March 10, 2015 /PRNewswire/ -- To meet the explosive bandwidth demands of today's Internet backbone, data centers and cloud-based networks, ClariPhy has selected ANSYS (NASDAQ: ANSS) integrated circuit power and reliability sign-off solutions to deliver fast, reliable and cost-efficient optical transport semiconductor solutions.



With the exponential increase in mobile communications driven by streaming video and social media applications, carriers worldwide are unable to keep pace with Internet growth. To solve that challenge, carriers are installing next-generation 400G networks, which places new demands on network designers trying to ensure signal integrity.

As a leading provider of 400G networking systems on a chip (SoCs), ClariPhy is leveraging ANSYS® RedHawk™ to ensure delivery of the most reliable optical transport semiconductor solutions. The ability to perform chip-package co-analysis (CPA) and thermal-aware electromigration (EM) verification, as well as scalable simulation capacity and performance with distributed machine processing (DMP) gave ClariPhy the confidence in the robustness of its complex SoC design.

"To deliver the industry's most advanced and fastest semiconductor solutions, we need to ensure world-class accuracy, performance and reliability," said Dr. Scott Powell, vice president of engineering with ClariPhy. "RedHawk's successful silicon tape-outs, multi-foundry certification and advanced technologies such as CPA, thermal analyses and DMP enable us to meet power noise and reliability requirements of our next-generation SoCs."

"Serving as the preferred power noise and reliability solution for the development of the world's fastest 100- to 400-Gigabit SoCs is a testament to the power of RedHawk," said Fares Mubarak, ANSYS vice president and general manager. "We stand committed to delivering the best-in-class power noise reliability sign-off solutions to companies like ClariPhy."

About ANSYS, Inc.

ANSYS brings clarity and insight to customers' most complex design challenges through fast, accurate and reliable engineering simulation. Our technology enables organizations — no matter their industry — to predict with confidence that their products will thrive in the real world. Customers trust our software to help ensure product integrity and drive business success through innovation. Founded in 1970, ANSYS employs over 2700 professionals, many of them experts in engineering fields such as finite element analysis, computational fluid dynamics, electronics and electromagnetics, embedded software, system simulation and design optimization. Headquartered south of Pittsburgh, U.S.A., ANSYS has more than 75 strategic sales locations throughout the world with a network of channel partners in 40+ countries. Visit www.ansys.com for more information.

ANSYS also has a strong presence on the major social channels. To join the simulation conversation, please visit: www.ansys.com/Social@ANSYS

About ClariPhy

ClariPhy is a leading provider of 100G to 400G and beyond semiconductor solutions that establish benchmarks for performance, bandwidth, power and reach while slashing deployment costs. ClariPhy provides the world's fastest off the shelf, Coherent and Ethernet solutions for scaling Internet bandwidth for data centers, transport infrastructure and cloud-based networks. ClariPhy is headquartered in Irvine, California, with offices in Los Altos, California and Cordoba, Argentina. For more information, visit www.clariphy.com

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