



NEWS RELEASE

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ANSYS SOLUTIONS CERTIFIED BY TOWERJAZZ FOR ITS 180NM FAMILY OF PROCESS DESIGN KITS AND REFERENCE FLOW

PITTSBURGH May 28, 2015 – [ANSYS](#), Inc. (NASDAQ: ANSS) and [TowerJazz](#), a leader in specialty foundry technology, are working to meet the growing demands for automotive, medical and Internet of Things (IoT) applications where product reliability and robustness are paramount. This collaboration has enabled TowerJazz to certify ANSYS® [Totem™](#) and ANSYS® [PathFinder™](#) software for its 180-nanometer (nm) process family design kits (PDKs) and reference design flow.

The certifications allow customers to use ANSYS tools for designing robust and reliable analog and mixed-signal integrated circuits (IC). These ICs are used for complementary metal–oxide–semiconductor (CMOS) image sensors, high voltage power management and light emitting diode (LED) applications that cater to consumers, communications, automotive, IoT, industrial and medical markets.

“As analog and more mixed-signal content are integrated into a chip for IoT, automotive and medical applications, a robust and foundry-certified power, noise and reliability sign-off flow becomes essential,” said Fares Mubarak, vice president and general manager of ANSYS. “By working with TowerJazz, we are able to provide optimized tools and methodologies for shared customers.”

Delivering stable power for all modes of operation of an IC is a critical requirement for all applications. To ensure reliable performance across a range of operating conditions, IC designers need tools and methods to identify and mitigate dynamic and static voltage drop, substrate noise coupling, electromigration, and electro-static discharge (ESD) issues. Use of Totem and PathFinder allows for stable power providing enhanced reliability, and thereby improved performance.

“Close collaboration between TowerJazz and ANSYS helped create the PDKs, a reference flow and certification of ANSYS tools for the 180nm process family,” said Ori Galzur, vice president of VLSI design center at TowerJazz. “This allows our mutual customers to improve their competitive position in the market with more reliable ICs in terms of both power stability and performance.”

The ANSYS portfolio of product offerings will be showcased at the [Design Automation Conference \(DAC\)](#) June 7-11 in exhibit booth #1232. TowerJazz's reference design will be shown at DAC in the ANSYS booth on June 10. A demo of the reference design will be shown at the TowerJazz booth #2608.

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 2,750 professionals, many of them expert in engineering fields such as finite element analysis, computational fluid dynamics, electronics and electromagnetics, 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

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