For The Second Year In A Row, ANSYS Simulation Drives Four Out Of The Top Six F1 Racing Teams To Victory

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PITTSBURGH, Dec. 3, 2013 /PRNewswire/ -- The year 2013 proved to be another successful racing season for ANSYS (NASDAQ: ANSS) customers in the Formula One (F1) racing series. For the fourth consecutive year, Infiniti Red Bull Racing secured the Constructor's World Championship while three other ANSYS customers round out the top six F1 teams.

(Logo: http://photos.prnewswire.com/prnh/20130430/NE03388LOGO)

Teams like Infiniti Red Bull Racing are able to quickly develop championship winning cars using ANSYS simulation technology. When just a few race points can mean the difference between an overall first and second place finish, teams need to leverage tools that will speed up development while optimizing the design.

Specifically, Infiniti Red Bull Racing takes advantage of ANSYS' solutions for computational fluid dynamics (CFD) and high-performance computing (HPC), in addition to physical wind tunnel testing, to enable its engineers to quickly optimize the racecars' design, saving the Team time and money. The Team saw a 30 percent increase in its total number of points compared to 2012.

"With another winning year under our belts, it's clear that ANSYS is a key component to our success," said Nathan Sykes, CFD and FEA Tools Team Leader at Infiniti Red Bull Racing. "We are confident that the speed and accuracy from ANSYS simulation solutions ultimately translates to victories on the track while helping us remain compliant with tight racing regulations."

"The F1 racing world faces many challenges, both on and off the track," said Sandeep Sovani, manager of automotive strategy at ANSYS. "Compressed development timelines and strict design and testing regulations often force design engineers to work in overdrive. Without simulation to validate and optimize each component in race cars, teams risk overlooking possible design advantages as they try to keep pace."

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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 more than 2,500 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 70 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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