



## ANSYS Powers Four Out Of The Top Six F1 Racing Teams In 2012 Including Three-time Champion, Red Bull Racing

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PITTSBURGH, Dec. 6, 2012 /PRNewswire/ -- As the checkered flag is waved over Formula 1's 2012 racing season, ANSYS (NASDAQ: ANSS) is celebrating alongside the pit crew. Since 2007, ANSYS simulation has been a driving force behind every winner of the F1 Constructors' World Championship – and this year is no exception. Four of 2012's top six teams are powered by ANSYS, including this year's champion, Red Bull Racing. This latest victory marks Red Bull Racing's third consecutive F1 Constructors' Championship, staking its claim as the third team in history to accomplish this monumental goal.

(Logo: <http://photos.prnewswire.com/prnh/20110127/MM380811LOGO> )

When just a few race points can mean the difference between an overall first and second place finish, teams need to leverage every competitive advantage available to them. Using ANSYS' engineering simulation technology, teams like Red Bull Racing are able to quickly develop champion cars.

Specifically, Red Bull Racing takes advantage of ANSYS' high-performance computing (HPC) and computational fluid dynamics (CFD) software for aerodynamic testing. The combination of HPC and CFD tools harness the power of thousands of computers and enable its engineers to quickly go through many design iterations and make necessary changes before physical testing.

"Partnering with ANSYS over the past several years has been a key component to our success as a team," said Nathan Sykes, CFD and FEA Tools Team Leader at Red Bull Racing. "Just like on the racetrack, we need incredible speed when we're designing our cars. The efficiency, reliability and the accuracy of the results we get from ANSYS enable us to rely less on costly and time-consuming physical testing and more on simulation. We use the insight gathered from the robust simulations to make fact-based design decisions that ultimately translate into performance gains on the track."

"Having partnered with Red Bull Racing and other automotive leaders for years, we understand this business and continue to establish simulation best practices that are beneficial to the whole industry," said Sandeep Sovani, manager of automotive strategy at ANSYS. "It's rewarding to see these organizations – whether they are on the racetrack or the highway – leveraging ANSYS technology to develop winning products."

Engineering simulation is more pervasive now than ever in Formula 1 and isn't showing signs of slowing down. Since 1999, F1 teams using ANSYS simulation have won nearly twice as many cumulative Constructors' Championship points when compared to competing engineering simulation technology providers.

### About Red Bull Racing

Red Bull Racing is one of two Formula One teams owned by Austrian beverage company Red Bull (the other being Scuderia Toro Rosso). The Red Bull team is based in Milton Keynes in the United Kingdom, but holds an Austrian racing license. Red Bull Racing was formed at the end of 2004 and since then, it has rapidly improved in Formula One rankings. In 2010, in only its sixth season of Formula One, Red Bull Racing won both the Constructors' and Drivers' Championships. The team successfully defended both those titles in 2011 and 2012.

[www.redbullracing.com](http://www.redbullracing.com) for more information

### 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 approximately 2,400 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 65 strategic sales locations throughout the world with a network of channel partners in 40+ countries. Visit [www.ansys.com](http://www.ansys.com) for more information.

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