



## Red Bull Racing Increases Simulation Performance With ANSYS Software

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PITTSBURGH, March 1, 2016 /PRNewswire/ -- [Red Bull Racing Formula One](#) team continues to accelerate its performance with [ANSYS](#)' (NASDAQ: ANSS) industry-leading engineering simulation software. Through an extended agreement, Red Bull Racing Formula One will leverage ANSYS' cutting-edge technology to optimize its vehicle design enhancements and aiming to give the team a competitive edge on the track.



During a race, aerodynamic design can be a major differentiator to the performance of vehicles on a track. With limited physical testing available and impending race deadlines, the use of simulation in the aerodynamic design of the vehicle is vital. ANSYS' [computational fluid dynamics](#) (CFD) and [high-performance computing](#) (HPC) software enables Red Bull Racing to simulate air flows around its vehicle designs under a range of conditions. This enables the team to assess, select and optimize designs for aero-critical components and assemblies, such as braking, cooling and exhaust systems.

"Working closely with ANSYS to manage and deliver our extensive CFD requirements has been a very successful partnership for us, delivering real improvements in our turnaround time and accuracy of simulation," said Nathan Sykes, head of numerical tools and technologies, Red Bull Racing. "Virtual simulation and analysis now makes up such a significant part of our design process, it's essential to be working closely with the CFD industry's leading software supplier – and certainly contributes to our competitive advantage on track."

"We're excited to continue our ongoing collaboration with Red Bull Racing and further enable the team to overcome increasingly difficult design challenges," said Sandeep Sovani, Director of Global Automotive Industry at ANSYS. "Teams are always looking for a competitive edge, and simulation provides it with cutting-edge, fast and reliable tools to validate and optimize every aspect of a race car throughout the design process with complete accuracy and confidence."

### About ANSYS, Inc.

ANSYS is the global leader in engineering simulation. We bring clarity and insight to our customer's most complex design challenges through the broadest portfolio of fast, accurate and reliable simulation tools. Our technology enables organizations in all industries to imagine high-quality, innovative and sustainable product designs that have an accelerated time to market. Founded in 1970, ANSYS employs almost 3000 professionals, more than 700 of them with PhDs 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 and development locations throughout the world with a network of channel partners in 40+ countries. Visit [www.ansys.com](http://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](http://www.ansys.com/Social@ANSYS)

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