



ANSYS Fast Tracks Ferrari GT Race Car Designs Through New Partnership Agreement

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PITTSBURGH, April 17, 2019 /PRNewswire/ -- [Ferrari Competizioni GT](#) is leveraging cutting-edge [ANSYS](#) (NASDAQ: ANSS) simulation software to create next-generation vehicle designs that promise a substantial advantage on the track. Through a new partnership agreement, Ferrari Competizioni GT engineers are advancing the aerodynamic performance of their elite race cars with ANSYS' industry-leading engineering simulation software.

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Every two or three years, the Ferrari Competizioni GT engineering team pushes themselves to engineer an upgraded racing GT within a 12-month window. Production efficiency is the formula for their success and the team has historically used [ANSYS® Fluent™](#) meshing to deliver cutting-edge turbulence models and solver technology to take their cars' performance to the next level.

Adoption of the new [Mosaic-enabled Poly-Hexcore™](#) meshes greatly accelerated the team's simulation process. The team leveraged automated workflows to cut hands-on development time, use parallelization to create high-quality mesh faster and solve in ANSYS Fluent more efficiently — creating 3x more simulations without additional development time or resources.

"Mosaic-enabled meshing is making a considerable impact on our aerodynamics designs — letting us achieve improved accuracy using far less cells and solving in half the time," said Ferdinando Cannizzo, head of GT racing car development at Ferrari Competizioni GT. "With Mosaic technology and the Fluent end-to-end workflow, our team runs three times as many simulations in the same amount of time and develops cars faster than we ever could before."

"Ferrari Competizioni GT cars represent the pinnacle of racing performance and we are proud to help them engineer new aerodynamic designs to obtain more victories on the track," said Sandeep Sovani, director of Global Automotive Industry at ANSYS. "Teams are always looking for performance advantages and Mosaic meshing accelerates all stages of the simulation workflow, answers design questions sooner to help maximize production efficiency and supports tight developmental timelines."

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