



Embraer and ANSYS Accelerate Time to Market for Next-Generation Aircraft

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PITTSBURGH, April 26, 2018 /PRNewswire/ -- With [ANSYS](#) (NASDAQ: ANSS) software onboard, [Embraer's](#) latest commercial jet made history as the only aircraft to receive on-time certification simultaneously by the Federal Aviation Administration (FAA), European Aviation Safety Agency (EASA) and Brazilian Civil Aviation Agency (Agência Nacional de Aviação Civil – ANAC). Embraer met complex targets for flight performance in record time — confidently bringing cutting-edge aircraft to market faster than ever.



Embraer built the flight control system for the [E190-E2 aircraft](#) using ANSYS to develop and simulate the embedded software and generate the embedded code used to control the primary flight control system. ANSYS solutions provide efficient and reliable code generation, resulting in significant cost and time savings.

The most efficient single-aisle aircraft on the market, the E190-E2 is 17.3 percent more fuel efficient than the current-generation E190. It is the most environmentally-friendly aircraft in its class with the lowest levels of external noise and emissions. The aircraft also has the longest maintenance intervals among single-aisle aircraft.

"Embraer relies on ANSYS for fast and accurate software production," said Pedro Nunes, leader of the E190-E2 flight controls software team at Embraer. "ANSYS has been part of the core of our software production tool chain for years and has been used successfully in several projects."

"Embraer has always been on the cutting edge of aviation, consistently delivering next-generation aircraft that surpass performance and fuel-efficiency expectations. ANSYS technology eases the certification process and speeds these innovative jets to market," said Eric Bantegnie, vice president and general manager, systems business unit, ANSYS. "Across industries, from aviation to automotive, ANSYS solutions empower customers to qualify for increasingly strict certifications faster — resulting in significant cost and time savings."

About ANSYS, Inc.

If you've ever seen a rocket launch, flown on an airplane, driven a car, used a computer, touched a mobile device, crossed a bridge, or put on wearable technology, chances are you've used a product where ANSYS software played a critical role in its creation. ANSYS is the global leader in Pervasive Engineering Simulation. We help the world's most innovative companies deliver radically better products to their customers. By offering the best and broadest portfolio of engineering simulation software, we help them solve the most complex design challenges and create products limited only by imagination. Founded in 1970, ANSYS employs thousands of professionals, many of whom are expert M.S. and Ph.D.-level engineers in finite element analysis, computational fluid dynamics, electronics, semiconductors, embedded software and design optimization. Headquartered south of Pittsburgh, Pennsylvania, 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.

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