



Esterline CMC Electronics Modernizes Critical Flight Display Systems With ANSYS

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PITTSBURGH, Oct. 16, 2014 /PRNewswire/ -- [Esterline CMC Electronics](#) (CMC) is using [ANSYS](#) (NASDAQ: ANSS) solutions to quickly and easily develop next-generation primary flight display systems for aircraft – reducing the time and costs required for certification while speeding time to market.



Pilots rely on primary flight display systems for such vital aircraft information as air speed and altitude. CMC had been using a legacy tool that lacked the functionality to ensure compliance with DO-178B, a standard that determines whether the software will perform reliably in an airborne environment. Now, by leveraging ANSYS® SCADE Display®, CMC is reducing total development time and costs while migrating legacy flight display code onto a more modern technology platform.

SCADE Display is a powerful and versatile graphics design and development environment for embedded human machine interfaces. The ANSYS solution represents a new generation of graphics software development tools, spanning prototyping, display design, simulation, verification and validation, and certified code generation supporting multiple safety standards.

"One of the key aspects of our work with ANSYS is the ability to validate the design early in a project, which increases the level of confidence in the product and allows us to obtain early buy-in on key features or tradeoffs," said Marc Bouliane, CMC's product director, Integrated Avionics Platform 7000. "To do this, we're using SCADE to present the display application to internal stakeholders, customers and pilots in a PC-based environment."

"Primary flight displays are absolutely critical to aircraft safety," said Eric Bantegnie, ANSYS vice president for systems. "ANSYS has a proven track record of working with leaders in this space to help them meet the strict industry standards. At the same time, these customers are realizing significant cost savings while getting their verified products to market faster."

About Esterline CMC Electronics

Esterline CMC Electronics (www.cmcelectronics.ca) has achieved an international reputation for innovation and excellence in the design and manufacture of electronics products for the military and commercial aviation markets. CMC's focus is on delivering innovative cockpit systems integration and avionics solutions to its customers worldwide. Its principal locations are in Montreal, Quebec; Ottawa, Ontario; and Chicago, Illinois. CMC is a wholly owned subsidiary of Esterline Corporation (NYSE:ESL, www.esterline.com), a specialized aerospace and defense company headquartered in Bellevue, WA, that employs over 12,000 people worldwide.

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 nearly 2700 professionals, many of them expert 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 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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