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ESTERLINE SHOWCASES ITS NEWEST HaWC™ SYSTEMS CONTROLLERS AT FARNBOROUGH 2018

Esterline's Mason product team will present its next generation <u>Ha</u>rm's <u>W</u>ay <u>C</u>ontrollers (HaWC), innovatively engineered for evolving manned, unmanned ground, airborne and maritime applications.

FARNBOROUGH, July 16, 2018 — Esterline Corporation, a global leader in defense and aerospace technologies, will showcase its new InSight HaWC and Mighty HaWC systems controllers at the Farnborough International Airshow, in Hall 1, #1180, after a successful launch last month in Paris at Eurosatory. The HaWC suite of rugged game-style controllers will provide impeccable, versatile performance for mission-critical applications for civilian, law enforcement, military, industrial and commercial markets.

The InSight HaWC, for line of sight use, and Mighty HaWC, with visual display, are offered in three standard configurations, facilitating broad functionality in a variety of manned and unmanned ground, airborne and maritime applications. From military, fire, police, and surveillance actions - to land, resource and environmental management, utilities and even recreational use; HaWCs can control device arms, cranes, weapons, pipeline crawlers and more.

Both the InSight HaWC and Mighty HaWC allow the operator to stand at a determined safe distance while maintaining maximum situational awareness, full autonomy and control, ensuring survivability and mission effectiveness.

— more —

All HaWC models include patented human machine interface (HMI) technology, are configured with joysticks, stylized buttons, and guarded enable switches that prevent inadvertent activation. Each HaWC supports multiple interfaces which include Ethernet, USB, CAN and RS422, simultaneously.

HaWCs are designed to offer industry-best HMI features and, with the Esterline HaWC advanced application programming interface (API), provide for easy customization of the Mighty HaWC's superior enhanced display and graphical capabilities for embedded systems that lack graphics engines of their own. With the API, operators can customize commands to render, manage and manipulate objects and primitives as screen elements, have the capability to display scalable symbology, reticles and indicators. It will also allow text generation to display multi-language menu systems and status display for a truly custom look and feel. Additionally, the HaWCs' haptic motors are programmable and provide a vibration feedback function that informs the user's sense of balance and movement in perceiving and manipulating objects.

The InSight and Mighty HaWCs set the industry standard and are affordable with excellent through-life cost value due to their ruggedness and scalability. In addition, they will be fully qualified to environmental and industry certifications and are to be offered as Export Administration Regulations (EAR99).

"With these newly-evolved HaWCs, we are taking our experience and proven success and putting everything we know in the customer's hands," said David Tessier, President of Esterline Mason. "Esterline's heritage of being a renowned leader in technology, along with decades of human machine interface expertise and countless product mission hours, is proof positive that our controllers will be reliable, valuable tools in military, commercial or civil venues."

Esterline Corporation (NYSE: ESL) is an international specialized aerospace and defense company headquartered in Bellevue, Wash., that employs about 13,000 people worldwide. Esterline Control & Communication Systems (www.esterline.com/controlandcommunication) is a group of Esterline companies designing and producing leading technology control and communication components and subsystems, including Mason products, for today's advanced requirements, focusing on delivering high-reliability human machine interface solutions to its customers across the globe.

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