

BAE Systems Showcases Network-Centric Operations, Human-Machine Interface

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BAE Systems has opened an advanced avionics laboratory at its facility in Johnson City. The working laboratory provides customers with real-time, interactive demonstrations of a broad range of capabilities, including network-centric technologies that enable interoperability while seamlessly and securely connecting platform operators to the global information grid.

"The needs of the warfighter are evolving quickly," said Sean Bond, BAE Systems' vice president of Aerospace Controls.

"This laboratory for the 21st century gives pilots and other users a hands-on environment to explore and test technologies and capabilities that are designed to enhance their mission effectiveness."

The lab also provides the company's engineers with a venue for interacting with customers to assess, refine, and rapidly develop prototypes of new capabilities.

The lab features BAE Systems' N~Connex solutions, providing connectivity, information assurance, and data management to the platform for network-centric operations.

An adaptable system comprising hardware and software elements, N~Connex fuses information from an array of sources to bring enhanced situational awareness and real-time information to warfighters.

It also combines the company's human-machine interface capabilities - including helmet-mounted displays, active sticks, trackballs, and specialized mission software - to optimize situational awareness and increase mission effectiveness.

The lab's operators employ the technologies in a variety of realistic operational scenarios. The lab also is capable of networking with other labs, both within and outside of BAE Systems, to create alternative real-time scenarios using other assets that are located at geographically dispersed locations.

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