The Leidos approach to software application development for Joint C2 reflects the vision of next generation C4ISR systems as open, modular, and horizontal platforms that engender third-party competition and innovation. We develop innovative, open standards-based technology solutions to rapidly migrate legacy systems and create modernized C2 enterprises. Leveraging open standards and frameworks, modernized C2 systems can keep pace with evolving warfighter requirements and adapt to commercial innovations in IT.

Leidos is helping to bring military C2 from legacy system implementation to a modern technology baseline, delivering increased efficiency and improved mission effectiveness in highly dynamic situations. Our software development approach, using the Leidos-developed Distributed Command and Control Framework (DC2F), dramatically reduces the time and expense associated with traditional modernization efforts. Our approach accelerates the evolution of legacy applications from system-centric stovepipes to modern, capability-centric warfighter tools.

Leidos recognized early on that to use C2 differently in a network-centric environment, the next generation of C2 must be built differently. New C2 systems must be organized around warfighter mission threads instead of building vertically integrated, tightly coupled tools.
LEIDOS C2 SOLUTIONS – SPEED, AGILITY, LOW-COST

Traditional approaches often offer mission applications and systems that are custom-built with proprietary software code which often remain vertically integrated and internally coupled even when they are recast with a web-browser shell. Such solutions are unable to keep pace with rapidly evolving mission needs and concepts of operations (CONOPS).

Using the Leidos-developed Distributed Command and Control Framework software development approach, we leverage modern open applications development frameworks, combined with an open system design, to dramatically reduce the time and expense associated with traditional modernized efforts. This approach enables the Joint warfighter to exploit the network as a platform for delivering mission-assured, integrated, and rapidly evolving capabilities.

LEIDOS-DEVELOPED SOLUTIONS ARE FULLY TRANSPARENT AND DELIVER THE FULL BENEFITS OF MODERN C2 TECHNOLOGY

By leveraging modern open application development frameworks, external interfaces, data services, and visualization frameworks, our solutions give the warfighter highly tailorable non-proprietary mission capabilities for operational and tactical C2 that can rapidly evolve and parallel the speed and innovation of commercial systems.

We deliver fully operational functionality by customizing and extending commercial off-the-shelf (COTS)-based tools while minimizing new software development, mitigating the need for significant operations and maintenance expenditures. Our approach leverages the full benefits of third-party competition, innovation, and evolving IT, allowing us to capitalize on opportunities for efficiency and provide timely updates and changes prompted by the constantly changing CONOPS and tactics, techniques, and procedures (TTPs).

FOR MORE INFORMATION:

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