

HIGHLY-SKILLED AGILE TEAM

The Lighthouse team includes domain specialists, systems architects, engineers, experiment designers, project managers, operations analysts and security professionals. The team's strength lies in creating collaborative working environments, each uniquely suited to meet the needs of the customer, and the rapid design of experiments that inspire creative thinking and capture emergent innovative ideas. When requirements exceed organic capability the Lighthouse reaches back into Lockheed Martin to ensure the right mix of resources are brought to bear.



DISTRIBUTED ENVIRONMENTS

One of the Lighthouse's many technical strengths is its ability to share modeling and simulation capabilities through access to corporate and government networks, virtually connecting distributed systems and participants into a single collaborative environment. This capability is highly agile and designed to support the rapid pace of innovation required to meet customer expectations.



EMBRACED PRACTICES AND PROCEDURES

The Lighthouse leverages the latest customer methods of conceptualization, planning, and analysis to facilitate the integration, execution, assessment of wargames, experiments and concept development activities.



WE'RE ENGINEERING A
BETTER TOMORROW

Lockheed Martin
Center for Innovation
8000 Harbour View Boulevard
(Exit 8A off I-664)
Suffolk, VA 23435
Phone 757.935.9200
<http://www.lockheedmartin.com/lighthouse>

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CENTER FOR INNOVATION "THE LIGHTHOUSE"

Connecting Lockheed Martin expertise with operationally focused customers to develop and demonstrate relevant and affordable solutions

LOCKHEED MARTIN



THE LOCKHEED MARTIN CENTER FOR INNOVATION

- Located in close proximity to government partners chartered with examining the future through innovation, collaboration and experimentation
- A hub for cross-domain integration, experimentation, wargaming, modeling and simulation, and decision analysis in real and synthetic environments
- Committed to solving difficult problems through enduring relationships and trust
- Uniquely configured to develop and visualize responsive, agile and affordable solutions for a challenging global environment



“The future presents numerous complex challenges which require innovative solutions - solutions that push the boundaries of technology and necessitate new concepts of operation. The rapid pace of change also demands greater agility in the search for answers. The Center for Innovation is uniquely configured to optimize its technical infrastructure to create a powerful collaborative environment to deliver innovative solutions to our customer’s most challenging problems.”

Gregory M. Nosal

Director,
Lockheed Martin Center for Innovation,
Corporate Engineering, Technology and Operations



ENVIRONMENT INCLUDES:

- A resource available to government, industry, academia and international partners
- Experts in engineering, operations analysis and systems integration
- Advanced suite of collaboration, analysis and decision support tools
- 50,000 sq. ft. of reconfigurable lab space including a 150-person decision support center, a 92-seat auditorium and a 40-workstation enabled laboratory
- Connectivity to secure government, academic and commercial high bandwidth networks
- Numerous spaces to support break-out meetings and small work groups
- Proven collaboration, experimentation, innovation processes and procedures
- Live and virtual brainstorming capabilities
- Immersive simulations and simulators, high-definition visualization, interactive video walls, and secure video teleconferencing
- Exterior vehicle equipment pads and adjacent 6-acre cantonment area
- Domestic and international protocol
- On-site café and event catering



Main Lobby



Sector 1 - Cape Hatteras Conference Room



Sector 2 - Thimble Shoal Auditorium



Sector 3 - Lynnhaven



Sector 4 - Mobjack



Sector 5 - Chincoteague



Sector 6 - Tangier



Cape Lookout and Cape Henry Conference Rooms

EXPERIMENTATION AND WARGAMING

The Lighthouse explores the nexus among technologies and operating concepts through a process of concept-based, mission capability-focused experimentation that embraces both constructive and human in the loop wargaming. The insights from these activities helps shape understanding and inform decision makers about future concepts and emerging capabilities.



CONCEPT AND CAPABILITY DEVELOPMENT

Working in partnership with our customers, the Lighthouse provides the optimal environment to explore concepts and capabilities to increase operational understanding, often through the integration of new capabilities into existing operational architectures. The value of examining concepts and capabilities though experimentation comes in broadening the understanding of complex topics and providing insight to help inform decisions.



ANALYTICAL WORKSHOPS AND INVESTIGATIONS

Analytical workshops derive insight from data gathered during specific activities designed to generate and capture brainstorming between event participants (both live and virtual). The Lighthouse crafts each workshop to optimize participant interaction, gather information and carefully analyze results to inform follow on wargames, experiments and concept development activities.

