



Command and Control of Flight Deck systems onboard the USS Sea Fighter (FSF 1) including Night Vision Compatible displays for NVIS operations

ADVANCED COMMUNICATION AND CONTROL SYSTEM (ACCS®)

C3I has developed the ACCS® software and fully-distributed Aviation Lighting System hardware to provide a comprehensive, ship-wide integrated communication, control and monitoring system:

- Proven capability and reliability with demonstrated performance onboard U.S. Navy and USNS ships
- Modular software with ease of integrating new generation end user devices
- Open Architecture design
- Industry Standard Communication protocols
- ICON-based Graphics User Interface

C3I's ACCS® and Advanced Lighting System (ALS®) networks incorporate:

- ABS compliant architecture for shipboard control systems
- RS 485 multi-drop communication interface units with patented fault tolerant loss of string prevention
- Cybersecurity compliant design

C3I's ACCS® software controls/communicates with:

- Navigation and topside Lighting
- Advanced Flight Deck Lighting
- Legacy Lighting including F/O, Incandescent and Halogen systems
- Personnel Safety Barriers, Tele-robotic Firefighting Nozzles and Fuel Quality Monitors
- Aircraft Status and Signaling Systems
- Flight Deck Landing Aids
 - Advanced Stabilized Glide Slope Indicator
 - Multi-Function Displays
 - Horizon Reference Systems
 - Helicopter Recovery Systems (RAST/ASIST)



C3I's ACCS® software and hardware are controlling/communicating with 9 individual systems onboard DDG 1000

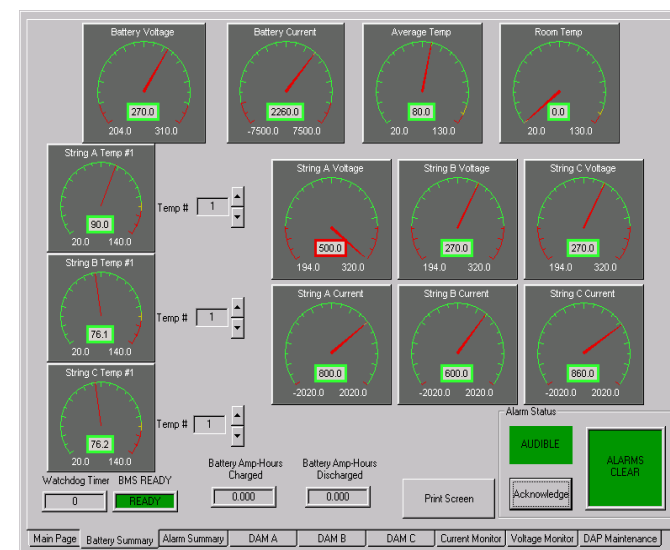


An F-35B aircraft landing onboard the USS Wasp (LHD 1) during evaluation testing – C3I's ALS-CPS system successfully controlled LED lighting during the at-sea testing evolution

EXPERIENCE

C3I's management and engineering staff has been solving customer's requirements for more than 25 years:

- Designing and manufacturing reliable, high-quality electronics equipment incorporating the versatile and scalable ACCS® software
- Developing and delivering software and hardware to control NAVAIR's Next Generation Visual Landing Aids (NGVLA) onboard the U.S. Navy's DDG 1000, LCS, JHSV, LHA, LHD, DDG 51 FLT IIA, MLP, USNS, and MSV classes, the U.S. Coast Guard's OPC and NSC classes and land-based USMC Joint Strike Fighter training fields
- Receiving multiple NAVAIR/ NAVSEA Small Business Innovative Research contracts which led to commercialization success



Example of a Graphical User Interface (GUI) display from a C3I-developed Battery Monitoring System

EXPERTISE

C3I has demonstrated expertise in:

- Transforming operational requirements into integrated system design solutions
- Setting and exceeding clear program goals
- Building strong relationships with our Government and commercial customers and partners
- Delivering quality products on-time and on-budget

QUALITY

C3I adheres to the highest quality standards:

- ISO 9001:2008 certified
- Defense Contract Management Agency authorization for Alternate Release of ALS-CPS Hardware and Software



C3I is dedicated to the design, development, manufacture and support of communications and control systems, software, equipment and instruments for our naval, marine and commercial customers.

C3I is a small veteran-owned business located in Hampton, New Hampshire, a coastal New England town rich in shipbuilding traditions.

C3I understands how ships work and how our customers use them.