

# USCG OFFSHORE PATROL CUTTER PHASE I

Safety & HFE Lead



ALE was the specialty engineering subcontractor to a major shipyard for the USCG Offshore Patrol Cutter, Phase I, Program.

ALE was an integral teammate during the OPC Program. ALE executed a tailored management plan that resulted in timely and significant Human Systems Integration/Human Factors Engineering (HSI/HFE) and System Safety (SS) design influence. Additionally, ALE reviewed design team artifacts within the HSI/HFE and SS perspective.

Under the OPC Phase I contract, ALE provided the following deliverables:

- Human Engineering Program Plan
- Human Systems Integration Program Plan
- Human Engineering Systems Analysis Report, including a HE analysis using 3D anthropometric models
- Manpower Mix Analysis Report
- Human Engineering Test Plan
- System Safety Program Plan, including Preliminary Hazard List, Preliminary Hazard Analysis, and Systems Requirements Hazard Analysis
- Functional Hazard Analysis Report
- Top-Down Function Analysis
- HSI Issue and Decision Database Report

## ABOUT ACQUISITION LOGISTICS ENGINEERING (ALE)

Acquisition Logistics Engineering, ALE, is a full service Life Cycle Engineering company specializing in reducing total ownership cost and increasing availability of complex systems and equipment. We work closely with our customers to combine their technical expertise in system design with our in-depth understanding of issues associated with system operation and sustainment. This approach enhances reliability, maintainability, and safety, while at the same time reducing maintenance burdens and developing the logistic support capability needed for system success.



*Making Systems Affordable  
& Sustainable*

7720 Rivers Edge Dr. Ste 245 | Columbus, OH 43235 | 614.436.1609 | [staff@ale.com](mailto:staff@ale.com)  
Gulf Coast Office: 4850 Gautier-VanCleave Rd., Suite 3, Gautier, MS | 228.522.1522  
New England Office: 5586 Post Ro, Ste 201, E. Greenwich, RI 02818 | 614.436.1609