



**PROJECT PROFILE:  
GOVERNMENT**



## Maximizing Efficiency of Assets Through Alternatives Analysis Study

### Integrity Management

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#### Situation

To increase efficiency, the US Coast Guard (USCG) is modernizing assets through an Integrated Deepwater System (IDS) Program, which will maximize effectiveness and minimize ownership costs of existing assets. ABS Consulting led the IDS Alternatives Analysis study, directed by the USCG commandant.

#### Approach

ABS Consulting conducted a targeted survey of 50 companies offering surface and air platforms that could meet the IDS performance requirements. The team used a risk-based approach to identify alternatives that retain the validated IDS Concept of Operations while meeting the Mission Needs Statement (MNS) and Acquisition Program Baseline (APB) requirements for performance, cost, schedule and logistics. The team gave priority consideration to demonstrated state-of-the-market capabilities over developmental technologies.

#### Result

In the initial outreach, 23 companies provided data on platforms or Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) programs. The team used a three-step approach in conducting the technical analysis: (1) comparing each of the platforms/systems against the USCG's performance requirements, (2) evaluating additional performance parameters and (3) ranking the most efficient platforms based upon performance, cost, schedule and logistics. After the number of viable candidates was reduced, system-level alternatives were developed and analyzed.

#### Benefits

The USCG acknowledged that the disciplined analysis conducted by ABS Consulting led to a comprehensive report. Its endorsement contains recommendations for reducing overall risk associated with meeting requirements.