



Serving the
United States Coast Guard
Major Service Areas

ABS Consulting
AN ABS GROUP COMPANY



ABS Consulting...

Worldwide reputation and maritime experience...

Established USCG relationships...

Extensive network of USCG support contractors...

**...providing integrated solutions for life cycle asset
management, independent engineering analysis,
and risk-based performance management**



Acquisition Support

ABS Consulting is a global leader in independent third-party assessments for public and private sector customers seeking to protect major investments in complex acquisitions.

Our experience in life cycle asset management has been gained from our numerous projects for U.S. and foreign public vessel and commercial vessel programs.

System Engineering and Technical Assistance (SETA)

ABS Consulting is assisting the USCG Research and Development Center (RDC) to augment its capacity, acquisition experience and technological expertise in its role as advisor and consultant to the Coast Guard Acquisition Directorate (CG-9) and its sponsors. This augmentation represents a long-term partnership to provide support of major and non-major systems throughout the acquisition life cycle.

Compiling a team of 20 professional entities, ABS Consulting and its team are providing principal investigators and system engineering and technical assistance, including complex analyses requiring the coordinated integration of experience and expertise applied to the following functional areas:

- Requirements, Alternatives, Cost & Operations
- Systems Engineering and Planning
- Human Systems Integration (HSI)
- Environmental Impact and Safety Assessments of Proposed Acquisitions/Systems
- Logistics
- Test & Evaluation
- Modeling & Simulation
- Workforce & Staffing Analysis
- Risk Analysis
- Acquisition Strategy (Business Case Development)
- Request for Proposal Generation and Proposal Evaluation

Under this contract vehicle, ABS Consulting and its teaming partners are leading 40+ tasks (some are complete) to support the RDC with engineering and technical support on several major and non-major acquisition programs.

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Engineering & Maintenance

ABS Consulting is committed to improving the maintenance and reliability of maritime operations around the world. Our teams bring multiple perspectives and insights on reliability-centered maintenance (RCM) and related-reliability best practices from direct experience with the USCG. Not focused on one single approach, method or tool, we offer a team of professionals with broad experience helping a variety of organizations develop customer-specific reliability programs.



Reliability-Centered Maintenance

ABS Consulting became a key member of the USCG's logistics transformation process, providing a broad range of engineering and technical support services to the USCG as it transitions its logistics operations to a more centralized, mission focused support structure. ABS Consulting is providing support to manage the Preventive Maintenance System (PMS) feedback system for the Surface Forces Logistics Center (SFLC).

A crucial component of the transformation is the shift to an RCM concept to promote the optimal mix and timing of preventive maintenance tasks in order to maintain and improve the inherent reliability of systems and equipment at minimum cost. ABS Consulting developed an RCM program for the USCG that aligns with its transformed organization, while adopting the USCG's aviation logistics model and best commercial practices as applicable.

In addition, technical analyses of existing systems using RCM analysis techniques are being conducted to identify enhancements to the preventive maintenance system and potential engineering changes to enhance overall system readiness. ABS Consulting is also providing training, information management and quality assurance for this project.

To date, over 18 detailed RCM analyses and four root cause failure analyses have been performed for this contract. Since assuming sole responsibility for this effort in December 2008, ABS Consulting has reduced the open backlog of PMS feedback items by more than 33 percent.

For more information:

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Risk Analysis

ABS Consulting is a worldwide, multi-disciplinary industry leader in risk assessment, mitigation, emergency management planning and disaster response for all types of natural hazards, security threats and operational risks.



The Maritime Security Risk Analysis Model (MSRAM)

Since the initial development of the Port Security Risk Assessment Tool (PS-RAT), ABS Consulting has worked closely with the USCG in an effort to address improvements and enhancements to the methodology. We worked with a large cross section of USCG and intelligence community personnel, ranging from the local to the national level, to establish a comprehensive risk assessment methodology.

The resulting Maritime Security Risk Analysis Model (MSRAM) Risk Based Decision Making tool is a terrorism risk analysis tool deployed by every USCG unit. It allows federal maritime security coordinators and area maritime security committees to perform detailed scenario risk assessments on all of their critical infrastructure and key resources. MSRAM combines these assessments and provides analysis to support risk management decisions at the tactical, operational and strategic levels.

For more information: | [Matthew Mowrer](#)
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Port & Facility Security

Due to our extensive background in the marine industry and our renowned expertise in risk management, ABS Consulting helps port clients assess their exposure to a broad spectrum of risk by determining threats, vulnerabilities and consequences to personnel, assets, operations, critical infrastructure or the surrounding environment.

USCG awarded ABS Consulting a contract to provide technical, program and administrative support services for the Office of Port and Facility Security (CG-544).

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Enterprise Leadership



ABS Consulting provides a full range of integrated life cycle services with the unique ability to institutionalize risk-based performance management strategies that:

- Minimize the risks of failing to meet performance goals
- Focus resource allocation and investment decisions on meeting goals by minimizing risk
- Maximize the readiness of personnel, assets and information within agency control/influence to influence potential performance risks



Enterprise Leadership Architecture and Risk-based Implementation

A number of key internal and external drivers led the USCG to adopt a new Enterprise Leadership Architecture (ELA) that fundamentally changed how the organization manages risks in the maritime domain, maintains readiness of its assets for mission activities and allocates resources for mission execution/support. USCG sought to implement a well developed organizational doctrine, methodology and tools for managing risk, readiness and resources across the USCG. In April 2006, the USCG awarded ABS Consulting a major five-year contract for supporting ELA and risk-based management implementation across the organization.

ABS Consulting project tasks include assisting the USCG to design and deploy an integrated risk- and readiness-sensitive, activity-based management architecture. This includes establishing and/or revising relevant tools, processes, policies and procedures to manage risk and enhance readiness and educate and inform USCG decision makers.

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ABS Consulting is the USCG's principal partner for all types of risk assessments and applications.

Safety Management

ABS Consulting is a leading provider of health, safety and environmental services for the private sector. We are active participants on committees formulating policy and best practice standards for multiple industries and served on the BP U.S. Refineries Independent Safety Review Panel and authored the text on the Risk-based Process Safety for the Center for Chemical Process Safety (CCPS). We deliver training on all areas of HSE and safety management to hundreds of public and private sector customers each year.

Risk Management

As a leading provider in enterprise risk management services, ABS Consulting is the USCG's principal partner for all types of risk assessment and applications. We offer solutions that help evaluate exposure to natural, man-made and operational risk.

Integrity Management

Extensive project experience in overall project quality management (PQM) and project supervision has positioned ABS Consulting as a leader in the fields of independent verification, vendor auditing, inspection and reliability. We offer a single point of contact to manage quality requirements for new and existing assets.





Past Performance

ABS Consulting has a long history of dedicated service to the USCG as evidenced in the cited performance work statements.

ABS Consulting is a global safety, risk, integrity and performance management company and has served the oil and gas, renewable energy, nuclear, government, maritime and insurance sectors and associated industries for four decades.

We have over 1,500 employees and offices in 28 countries and have completed projects all over the world in many highly technical and regulated industries. Working with our clients, we create solutions tailored specifically to meet their specific needs.

Past Project Examples

Loss Exposure and Risk Analysis Methodology (LERAM)

Risk-based Decision Making (RBDM)

National Maritime Strategic Risk Assessment (NMSRA)

Maritime Security Risk Assessment Model (MSRAM)

Maritime Law Enforcement Tactics, Techniques, and Procedures Manual

Planning, Policy, and Assessment Doctrine (Pub 5)

Standard Operational Planning Process (SOPP)

Activity Based Costing (ABC)/Common Activity Library (CAL)

Coast Guard Business Intelligence (CGBI) Support

Transportation Worker Identification Card (TWIC) Support

Port, Waterway, and Coastal Security (PWCS) Mission Standards

USCG Training & Technical Support Services (TTSS)

Marine Transportation System (MTS) Security Plan

Port and Facility Security Support

Integrated Deepwater System Alternatives Analysis

Certain Dangerous Cargo (CDC) Analysis

Reliability Centered Maintenance (RCM) Support

Maintenance Effectiveness Review (MER)

Maintenance Procedure Cards (MPC) Development

Unmanned Aerial System (UAS) Analysis/Test and Evaluation

Command 21 Analysis

Offshore Patrol Cutter (OPC) Analysis

Mission Analysis Report (MAR) Development

USCG Vessel Security Plan Review (VSP)

Federal Government Contracting Vehicles

ABS Consulting has a variety of GSA schedules, including:

- Professional Engineering Services GS-23F-0207L
- MOBIS GS-10F-0242L



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