

Nuclear Security Management Solutions

Increase the security and performance of your operations with ABS Group's cost-effective security management solutions.

ABS Group's Nuclear Security Management Systems (NSMS) approach helps our clients achieve and maintain regulatory compliance to NRC security requirements with the additional objective of designing security operations processes to reduce cost.

Our risk-based decision making approach to security operations and management enables you to minimize expenditures, improve efficiency, and protect critical assets without compromising crucial security system performance or your ability to meet NRC regulatory standards and requirements. Our security engineering and consulting services approach has been successful in enabling many of our nuclear clients to realize significant reductions in security operating and management costs while maintaining and/or improving security system effectiveness.

Services

Our services are designed to provide an independent validation of your program's commitment to compliance, as well as insights on ways to improve efficiency of operations without adverse impact on security program performance. Our team of experienced security consultants provide:

- **Physical Security Design Engineering and Implementation Services**
 - Blast damage assessments of existing facilities
 - Design of facility perimeter vehicle barrier systems
 - Blast resistant design of new structures and blast resistant retrofit of existing structures
 - Design of Intruder Delay Barriers (IDB's) and accompanying time line analyses
 - IDB's at interior passage ways and underground pathways
- **Analytical Support for Force on Force Exercises**
 - Tactical engineering support for Force-on-Force (FOF) exercises
 - On-site rapid vulnerability assessments of defenders and vital equipment
- Consequence predictions for air blast and fragment hazards on personnel, structures, and exposed equipment
- **Evaluation of current program's operations**
 - Validate Programmatic Compliance
 - Determine potential areas for Cost Reduction (improving efficiency)
- **Strategic Planning**
 - Organizational Efficiency and Protective Force Assessments
 - Security Systems Engineering and Protective Force Consulting
- **Regulatory Impact Mitigation**
 - Identify areas that may be at risk for regulatory violation
 - Provide strategies/solutions to minimize/mitigate/resolve violation



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- Security Capital Project Management
 - Oversee project for capital modifications that reduce O&M costs
- Security Vulnerability Assessments
- Organizational Efficiency and Protective Force Assessments
- NUREG 7145 Nuclear Security Assessments

Our services are focused on identifying inefficiencies of current program operations, identifying potential regulatory non-compliance issues, and identifying protective strategy inefficiencies. Our goal is to provide solutions that eliminate O&M cost inefficiencies while maintaining or improving the security performance capabilities.



Benefits

There are many benefits of engaging ABS Group Nuclear Security Management Solutions.

1. Achieve an appropriate security compliance posture with reduced operating and management cost and duplicated processes
2. Demonstrate to your customers and regulatory bodies that you have an effective and efficient security management system
3. Convert operational and regulatory security requirements into compliance metrics
4. Map security requirements into the operational environment at functional levels to support documenting the cost savings to corporate management.

NUCLEAR SECURITY MANAGEMENT SOLUTIONS

The ABS Group NSMS team consist of engineers and former commercial reactor and nuclear sector professionals with a wealth of industry and government experience. Their experience includes:

- Management of nuclear security upgrades at commercial nuclear facilities
- Management/supervision of commercial nuclear facility security organizations
- Management of security forces at Department of Energy facilities
- Security force training
- Security force evaluations and planning
- Safety management for training and operational activities
- Security incident reporting systems and incident investigation
- Design and construction supervision for security system upgrades, including physical security and electronic systems
- Corrective action systems
- Military and law enforcement operations

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