

# Security Risk Management

*Mitigating Risk. Improving Performance.*



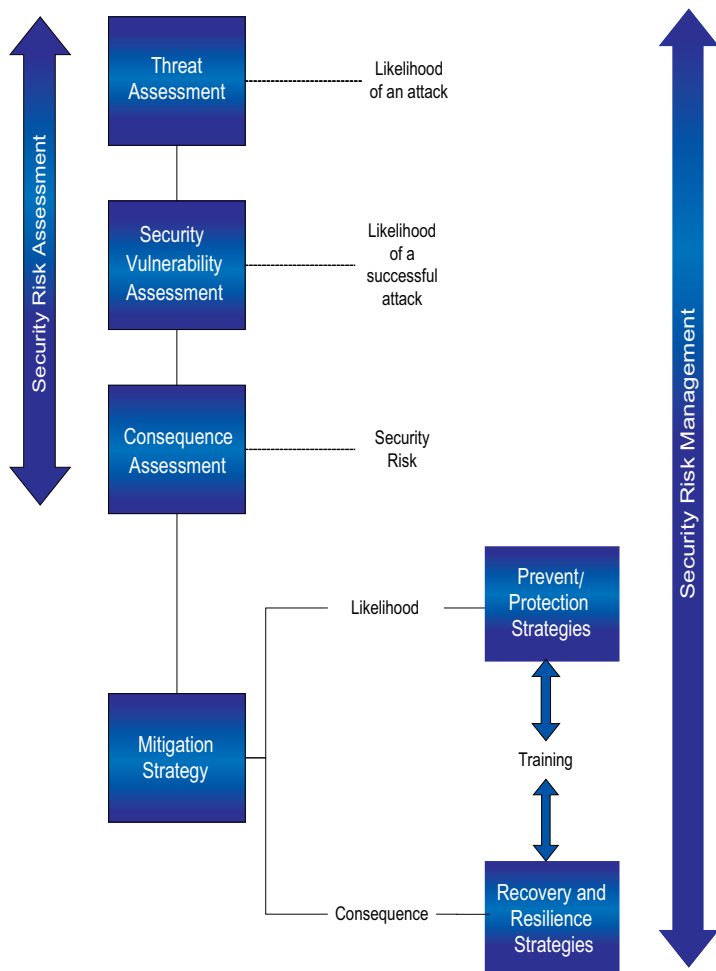
ABS Consulting is a leading global risk management company providing integrated security risk management solutions.

Security risk management is a multidimensional challenge requiring multidisciplinary expertise. ABS Consulting has the expertise to provide rational solutions to mitigate against the security risk with minimal effect on capital expenditure.

## Security Risk Management

Risk Management is the key to reducing the likelihood and/or the consequences of security risks. It puts in place a corporate and systematic process for evaluating and addressing risks in a cost effective way. In order to develop the most effective risk mitigation strategy ABS Consulting uses a balance of procedural, technological, analytical, and operational perspectives.

Security Risk Management encompasses the following key steps to develop risk mitigating strategies:



## Security Risk Management Services

ABS Consulting applies an innovative, business-centric approach to security risk management utilizing field-tested methodologies that are flexible and can be tailored to your situation. ABS Consulting's security risk management approach consists of a number of components, each of which can be integrated with your requirements to create a bespoke package. The complete security risk management package can provide policy and strategy at the corporate level through implementation and confirmation of effectiveness at the operational level. This includes:

**Threat Assessment** - At the corporate level, geopolitical risk is considered as well as other global and regional destabilising security threats. At the operational level, analysis of the potential adversaries provides credible, not worst case, scenarios.

**Security Vulnerability Assessment** generates scenarios from the threat assessment to test the protection offered by the existing security measures.

**Consequence Assessment** quantifies the damages or business interruption caused by successful attack scenarios.

**Security Risk Assessment** combines a security vulnerability assessment and a consequence assessment.

**Security Risk Mitigation** identifies the most cost effective methods of reducing the unacceptable security risks identified during the security risk assessment.

**Program Implementation** provides implementation guidance to the senior corporate executives, personnel and response resources.

**Training, Testing & Audit** - ABS Consulting can provide dynamic, bespoke training courses to provide vital skills for key individuals or provide staff with general training within the security field or conduct a series of critical exercises and audits to verify the organization's security risk posture.

**Software** - We have a range of software tools that collate security-related data in order to prevent a coordinated security threat. These tools include THESIS Bow-Tie™ and Leader™.



## Project Profiles

ABS Consulting has undertaken numerous security risk management projects, which include:

> **European Commission Critical Transport Infrastructure Security Study** – ABS Consulting conducted work for the European Commission on the identification of European Critical Transport Infrastructure and its protection. The main focus of the project was to identify a harmonised set of EU wide critical infrastructure, common protection solutions and to aid the development of further EU transport security.

> **Sea-Tac International Airport** – ABS Consulting conducted a security risk assessment and implemented risk mitigation measures that took into account technical, legal and economic aspects for Sea-Tac International Airport.



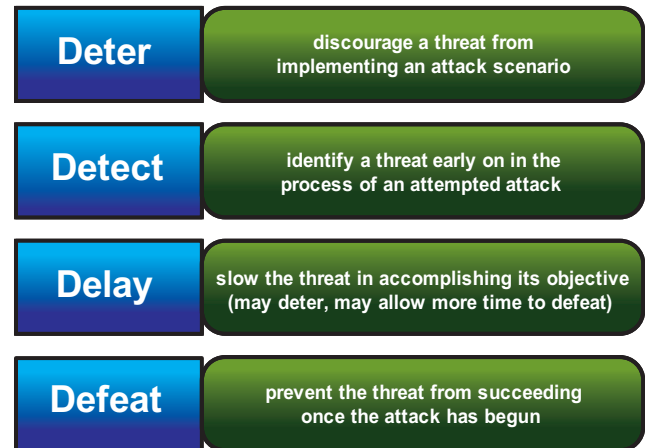
> **Middle East Government Owned Oil and Gas Company – Offshore Security Project**  
ABS Consulting concluded a very large security study for six offshore oil and gas operating companies with a collective portfolio in excess of some 200 individual assets. The study involved working with the operators, government authorities, police and coast guard. The project work was initiated by a regional and local threat assessment site surveys, which assessed the individual assets' security arrangements and the safety implications of any additional security measures. This information fed a benchmarking process to identify a minimum level of security risk and the subsequent gaps. This in turn was used to develop a security risk mitigation strategy across the portfolio from the corporate to operational level.

> **Risk-based Security Assessment for the Port of San Francisco** – ABS Consulting was subcontracted to perform a risk-based security assessment of the Port of San Francisco's facilities as part of a project funded by the Transportation Security Agency's port security grant program. Partnering for the project with an engineering firm that provides design and construction services to ports, ABS Consulting was responsible for the criticality assessments, consequence analyses and vulnerability assessments that helped focus the extensive security vulnerability efforts that were part of the project's scope. ABS Consulting was also responsible for the assessment of the emergency services plan for the port.

## Security Concepts

It is rare that a risk can be eliminated, however the implementation of rational steps can mitigate the risk to acceptable levels by minimising the likelihood of the threat and/or reducing the consequence of a security threat.

As part of the security risk management strategy, ABS Consulting applies the following security principles: In order to reduce the consequences of the security risk, ABS Consulting will consider a range of strategies that include improved resilience to a security threat, business continuity management and insurance.



The benefits of effective security risk management are:

- > The identification and suitable protection of high security risk areas within business operations, having identified the full range of potential risk control measures
- > Creation of an effective and cost effective strategy to protect against the current and emerging threats
- > Best allocation of limited resources to mitigate against the risk
- > Cost benefit analysis of security improvement proposals
- > Identification of gaps and solutions to enhance the organisation's protection strategy
- > An effective protection strategy that does not impinge upon normal business operations and procedures



**Principal European offices include:**

London, UK | Bristol, UK | Sofia, Bulgaria  
Piraeus, Greece | Genoa, Italy

**European Head Office:**

ABS Consulting Ltd. | EQE House, The Beacons | Warrington Road | Birchwood, Warrington | Cheshire WA3 6WJ | UNITED KINGDOM  
Tel: +44 (0) 1925 287 300 | Fax: +44 (0) 1925 287 301 | E-mail: [enquiriesuk@absconsulting.com](mailto:enquiriesuk@absconsulting.com) | Web: [www.absconsulting.com/europe](http://www.absconsulting.com/europe)