



# INFORMATION SECURITY

Today, information and Information Technology (IT) play a vital role in facilitating business decisions. The widespread use of the Internet, portable computer devices and wireless technologies has made access to data and information easy and affordable. However, it has also introduced new threats, both accidental and intentional, to the confidentiality, integrity and availability of information.

To address these challenges, GHD delivers comprehensive Information Security Management services. Our consultants provide innovative solutions by combining practical security skills with extensive experience, complemented by in-depth theoretical knowledge. Focused on realising opportunities for our clients, our Information Security team aims to establish and maintain a defined level of security on information and information services by protecting information against loss, misuse, disclosure or damage.

## OUR CAPABILITIES

We take a holistic approach to the protection of information, focusing on people, processes, policy and technology.

### PEOPLE

The human factor is extremely important in providing adequate security. Often the cause of security incidents is that users are unaware of the risks of certain non-secure practices such as providing their passwords to others or downloading files with risky contents. We prepare and provide security awareness and training programs that improve users' understanding, acceptance and support of security measures and controls.

### PROCESSES

The ISO 17799-based processes are necessary to manage Information Security effectively. It is important that corporate management takes responsibility as process owners to make sure that adequate resources are available

for addressing security issues, and to see to it that information security is considered as a business issue that exceeds IT responsibility.

### POLICY

A security policy framework forms the basis of effective and consistent security practices that support the business strategies and operations. The ideal structure has an overarching corporate security policy in place that clearly articulates the organisation's commitment to security activities, and defines its approach to information security and its principles. This policy should also be supported by more detailed policies and operational guidelines for all security processes, as defined in ISO 17799.

### TECHNOLOGY

Whilst technology is an important part of Information Security, it has the potential to expose the organisation to new vulnerabilities, particularly if decisions are made about the required protection level of information and information assets. For this reason, our security professionals address the security imperative from a business perspective, using technology to facilitate protection against threats.

## OUR SERVICES

We provide a broad range of review, advice and assistance services, aimed at transferring skills to our clients' staff, including:

- Security threat and risk assessments
- Security awareness programs
- Review and development of security policy frameworks
- Security management process review and implementation
- Security plan development
- Technology solutions aligned to business strategies

## SECURITY CONSULTING SERVICES

### SECURITY MANAGEMENT

- ▶ Business continuity management
- ▶ Security risk management
- ▶ Emergency planning
- ▶ Disaster planning/management
- ▶ Threat and vulnerability assessment
- ▶ Security management benchmarking and gap analysis
- ▶ Scenario planning and recovery modelling
- ▶ Contingency planning and emergency response
- ▶ Criminology and intelligence analysis
- ▶ Security due diligence
- ▶ Natural hazard and disaster planning
- ▶ Site specific security risk assessments and auditing
- ▶ Corporate governance of security

### SECURITY TECHNOLOGY

- ▶ Integrated security design services (including architectural and physical design)
- ▶ Design of Type 1 and commercial security alarm systems
- ▶ Design of electronic and physical access control systems
- ▶ Design of CCTV systems
- ▶ Design of security barriers
- ▶ Project management
- ▶ Management of security maintenance contracts
- ▶ Security system audit, review and assessment

### INFRASTRUCTURE SECURITY

- ▶ Site masterplanning for security
- ▶ Architectural design for security
- ▶ Design and documentation of high-security facilities
- ▶ Blast impact modelling and design for blast resistance
- ▶ Critical asset identification
- ▶ Vulnerability assessment
- ▶ Facility hardening
- ▶ Crime prevention through environmental design
- ▶ Water and air quality modelling and design
- ▶ Project management
- ▶ Maritime security
- ▶ Aviation security

### INFORMATION SECURITY

- ▶ Security threat and risk assessments
- ▶ Information security awareness and training programs
- ▶ Review and development of information security policy frameworks
- ▶ Security management process review and implementation
- ▶ Information security plan development
- ▶ Information technology security solutions to support the business objectives.

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