



EXPERTISE  
ON DEMAND

Contact the industry's best  
For all your information security needs

For 30 years, OKIOK has been doing research and development by collaborating with leading partners in the United States, France, Belgium and Germany. In doing so, OKIOK is continually at the forefront of its sector.



OKIOK offers a wide range of products and services, customized solutions and training services to financial institutions, private companies and governmental and para-governmental organizations. We have earned the trust of the most demanding customers.

OKIOK is Certified ISO9001 and for more than 25 years it has specialized itself in IT security.

Whether you wish to add specific security expertise in a timely fashion, or to simply complement your team of security professionals, our experts can get involved at any stage of your projects.

OKIOK has been immersed exclusively in the security field for over thirty years.

OKIOK's experts, whether they be engineers, analysts, mathematicians or developers, have thus acquired extremely specialized expertise notably through their extensive experience in particularly complex and demanding fields.

Whether it's to assist an existing team or to provide specific expertise, the OKIOK team can intervene at any given stage of a project. OKIOK offers support for projects of any size and provides specialized resources, according to its clients' needs.



Security in a  
changing world



## Information security holds no more secrets for OKIO experts who can address all aspects of security relating to an organization's information assets:

- Strategic security consulting
- Risk assessment
- Security architecture
- Identity and access management
- Public key infrastructure
- Encryption and digital signature
- Security Information and Event Management (SIEM)
- Network security
- Systems Development Life Cycle (SDLC)
- Regulations and compliance
- ISO 27001/27002 and other security standards
- Judiciary Informatics (Computer forensics) – Expert witness
- Product selection

## Strategic security consulting

Each organization is unique and its information security approach must support its particular legal and commercial imperatives. The related information security vision and strategy must therefore be carefully defined. As a result of the expertise gained from working with a number of large organizations over the years, OKIO experts provide senior management with an unparalleled understanding of the various security strategies and approaches that are available.

Whether they wish to obtain advice prior to investing large sums on equipment and software, to discuss concerns and security risks, or to examine possible solutions, OKIO supports organizations and adapts to their specific needs. Whatever the issue, the environment or the industry, OKIO's specialists have the expertise to help organizations establish an integrated management approach and implement an effective and scalable security strategy.

## Risk Assessment

Preserving the integrity, availability and confidentiality of information is crucial for an organization. Its capacity for doing so affects the smooth running of its operations, its ability to comply with laws and regulations as well as its reputation. Even a very brief interruption of IT activities can put a company in serious jeopardy.

OKIO's threat and risk assessment services make it possible to obtain a rigorous report on the organization's information security level. According to the organization's needs, OKIO experts evaluate applications, systems and/or services. They may also expand this assessment to the organization as a whole.

OKIO uses a point system evaluation method to determine the measures to be deployed or updated in order to properly secure each of the organization's information assets. A security report card of sorts, these results can serve as a basis for the establishment or update of appropriate safeguards.

## Security architecture

Increasing IT complexity, the creation of Web spaces, the offering of online products and services and the proliferation of various types of users (internal, external or remote) force organizations to segment their computing environment based on very diverse security needs, associated with different types and levels of risk.

Teleworking, remote technical support, electronic transactions, online payment and sharing information with partners all require special security measures, established in accordance with the organization's priorities and budgets. OKIO experts are able to assess the real needs and then define a security architecture that provides protection at all levels, without affecting the optimal functioning of business activities.

## Identity and access management

For years, IT departments have been working at stabilizing organizations' growing informational infrastructures. However, throughout the course of hiring, reassignment and departure of employees, access accounts are created and often forgotten about, opening the door to unauthorized access and security breaches. Since the adoption of laws that require organizations to prove that they exercise strict access control on their computer systems, the business world is facing an urgent need to adopt rigorous management methods for the entire access life cycle.

OKIO's experience and proficiency regarding identity and access management, which has in fact led to the development of its product *RAC/M Identity™*, make it the ideal partner to assist organizations in carrying out this project from its earliest stages. OKIO experts can ensure that each step is completed according to best practices, from taking inventory of all assigned access accounts in order to associate them to the right people, followed by sorting and eliminating accounts that are no longer used, or guiding organizations as they structure, optimize and better manage the life cycle of all accounts.



## Public Key Infrastructure

Encryption key and digital certificate management, to ensure the authenticity and secure the exchange of confidential information between internal stakeholders, clients, suppliers or partners, can be cumbersome. Therefore, the use of a central application can significantly reduce the workload and simplify systematic data encryption.

OKIOK is able to guide organizations in choosing the most suitable public key infrastructure solution, help them develop the best strategy and support its implementation.

## Encryption and digital signature

In business, encryption is used to preserve the confidentiality of information as well as to ensure that information transfers comply with various standards and regulatory, contractual and legal obligations.

Encryption may also be used to protect a database or a management application against unauthorized access if equipment is stolen or sold, or to ensure secure file transfers between organizations operating on various platforms or between users through a web portal. Risks associated with wireless networks and the mobility of representatives, executives and teleworkers dictate the establishment of adequate protection for mobile media, such as smart phones, personal digital assistants (PDAs), USB keys, and notebooks.

OKIOK implements, develops, evaluates and executes a range of encryption and digital signature solutions. The tremendous efforts invested in research and development since its inception has enabled it to acquire unparalleled expertise on tools and cryptographic methodologies. Therefore, organizations confidently entrust OKIOK experts with the task of designing and installing secure and user-friendly encryption or digital signature solutions that are best suited for their business.

## Security Information and Event Management (SIEM)

Getting an overview of the activities of the various servers, applications and solutions in an organization can be very challenging. Highlighting potentially interesting events, according to their level of criticality, in order to rapidly detect problematic situations, may be as complicated as finding a needle in a haystack.

OKIOK supports organizations that wish to remedy this problem by implementing a security incident monitoring system, a complex task to say the least when considering the number of technologies to be deployed and the mountain of data to be processed. OKIOK experts help organizations throughout the

process, both in terms of architectural decisions and in choosing the solution that best meets their needs, as well as providing support during the integration of event sources, from the design of use case structure to the implementation and development of operations.

OKIOK experts have several major achievements to their credit, as they were systematically involved in practically all Security Operations Centers (SOCs) implementation projects in Quebec, based on the ArcSight technology.

## Network security

OKIOK's network security experts help organizations analyze their needs, identify secure solutions, design and implement secure network environments as well as define and establish procedures for the protection of information technology systems. The most common activities in this area include:

- security architecture design;
- the establishment and management of firewalls and intrusion detection systems;
- vulnerability management;
- backup management;
- incident management;
- the hardening of systems;
- the establishment of network zones with varying security levels;
- the establishment and management of virtual private networks;
- securing wireless environments;
- the implementation of robust authentication solutions;
- the implementation and management of encryption solutions.

## Systems Development Life Cycle (SDLC)

Security is an unavoidable challenge when new software is developed. With its vast experience in creating security products, OKIOK has acquired expertise which can be beneficial to organizations wishing to adopt best practices and software development techniques that take security aspects into consideration.

OKIOK provides training for developers of all types of applications allowing them to enhance their knowledge and avoid the pitfalls that could expose new software to vulnerabilities. Different tools used to analyze software quality as it relates to known vulnerabilities can also be presented.



In addition, OKIOK's security practices, including the subdomain of secure development, place a growing importance on all types of mobile platforms, operating under iOS and Android, as well as Windows operating systems.

## Regulation and Compliance

Governance and accountability are increasingly important. Under the pressure of increasingly stricter laws and regulations and of partners that require compliance, organizations are forced to adopt best practices for privacy and information access. Also, proper governance of information security has become a priority and an integral part of an overall business strategy.

Whether applicable regulations in all sectors or areas in particular, OKIOK specialists advise organizations as to the standards to be adopted across the company or in some services, and accompany them to implement the means to comply.

## ISO 27001 /27002 and other security standards

As in other areas, the adoption of best practices for security management must respect universally recognized standards. Standards such as the ISO 27001 /27001 and NIST 800-53 define information security management system requirements. They identify process and reduce IT threats plaguing organizations.

Over the years, OKIOK professionals have acquired a thorough knowledge of applicable standards. They help organizations select and implement the ISO 27001 methods that are best suited to their business model and administrative processes. This intervention also takes the ISO 27002 standard into account, which applies to the three essential elements of sound security management, namely: employees, processes and systems.

## Judiciary Informatics (Computer Forensics) - Expert Witness

Judiciary informatics, or computer forensics, is a specialized information security discipline that seeks to understand the thread of an event and validate the integrity of an electronic document or IT system in order to determine its probative value in court, during a disciplinary measure or other legal action.

With extensive knowledge and expertise in this area, OKIOK can provide known expert witnesses who can discuss evidence in civil, penal or criminal courts.

## Product selection

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OKIOK is a leader in the field of computer security. Since 1973, the company has distinguished itself through the excellence of its products and the high quality of its services. OKIOK offers a wide range of integrated solutions designed to meet the needs of organizations of all sizes.

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In the vast and complex information security world, it is easy to get lost trying to analyze all the available hardware and software products. More often than not, due to a lack of time and resources necessary to identify the products that best fit a given technological environment, the appropriate solutions elude even the most experienced IT professionals and the most competent IT managers. The problem is daunting for executives, who want guarantees of profitability before authorizing the installation of a new product.

OKIOK is well versed in the products used for information security as it has designed, developed, installed, recommended and selected hundreds of them over the years. As a result of OKIOK's extensive experience, it is uniquely positioned to provide an organization with the most appropriate and beneficial recommendations, and to do so objectively, as it is not a solution reseller.

First, the OKIOK team performs a thorough cost-benefit analysis, taking into account the operating environment and scalability, as well as projected migrations and potential partnerships. It is important to look beyond products and properly evaluate an organization's needs with the objective being to select a sustainable investment that will pay for itself relatively quickly.