



Our goal is the security of your information

CONSULTING SERVICES



Information security in your ICT project: planning ahead is better than upgrading later

In our everyday world, the volume of data that is generated, processed and transmitted electronically is growing steadily. Much of this data is valuable or confidential and deserves special protection. Your data and information also warrant this special protection!

It is important to keep three primary aspects in mind: **confidentiality, integrity** and **authenticity**. And of course your data must always be available whenever you need them. In addition, you must be able to trace who gave which data to whom and when they did so. Consequently, information security

must be an integral part of data processing and data transmission.

People – Process – Technology

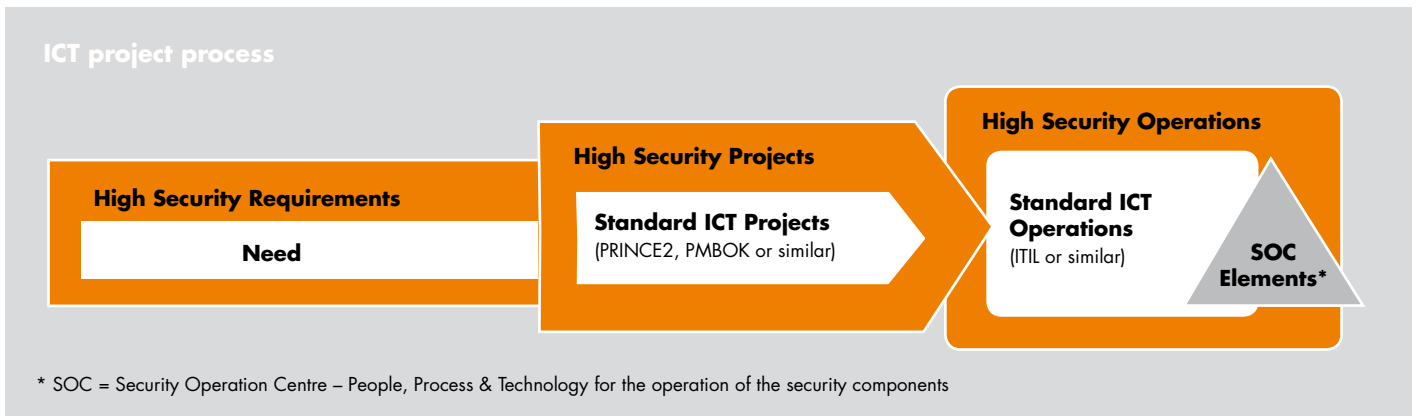
The information as such must be protected wherever it happens to be. It is not enough to cover only communication or only data processing and storage.

You have to look at data protection from the triple perspective of **People – Process – Technology**. All three dimensions must be considered.

Crypto AG supports you or your partners in doing so. Crypto AG has been

integrating high-security solutions for years for public authorities and military organisations in an increasingly complex environment. Crypto AG directly serves customers worldwide while also collaborating with other companies and system integrators in numerous application scenarios.

This competence and experience is available to you, too, if you want to provide trustworthy security for your ICT infrastructure from the outset.





Give information security the priority it deserves from the outset

In our many years of experience, we have found that an infrastructure project with an information security aspect can typically be divided into 7 phases.

Each project step covers the development of the ICT project but also security precautions. Information security requirements therefore have to be considered from the very beginning. It may be advisable to have Crypto AG contribute its experience and competence early on in a project.

You can utilise the Consulting Services from Crypto AG in one of two

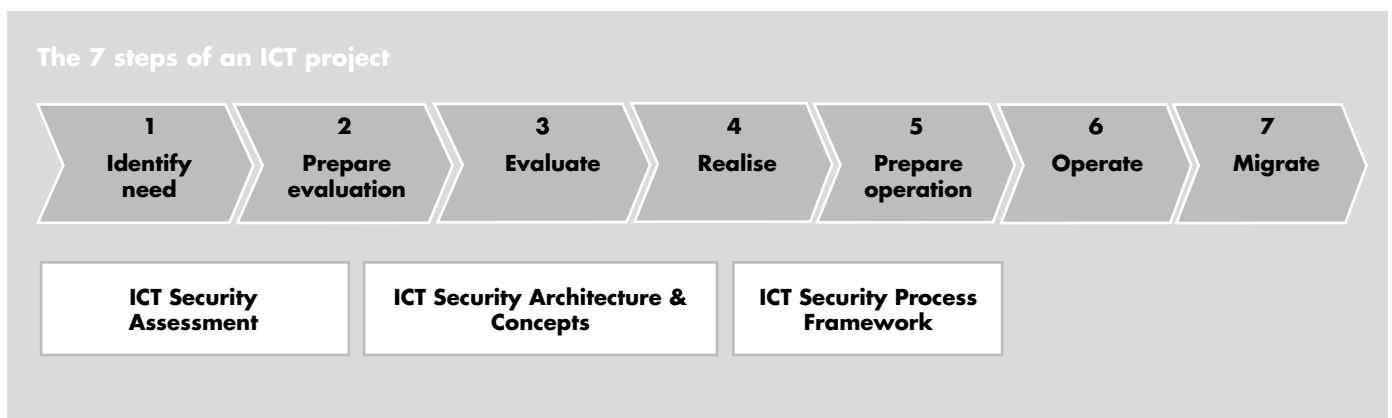
ways. Either we enable you or your local partner to do the work on your own, or you entrust Crypto AG with handling the entire project.

Crypto AG offers the following packages as stand-alones or together with equipment from our product portfolio:

- **ICT Security Assessment** for an evaluation of the status quo in your information security system
- **ICT Security Architecture & Concepts** for devising a technical architecture and concepts for ultra-secure ICT

- **ICT Security Process Framework** for putting in place a process framework that allows you to adapt the most important security processes to your specific situation.

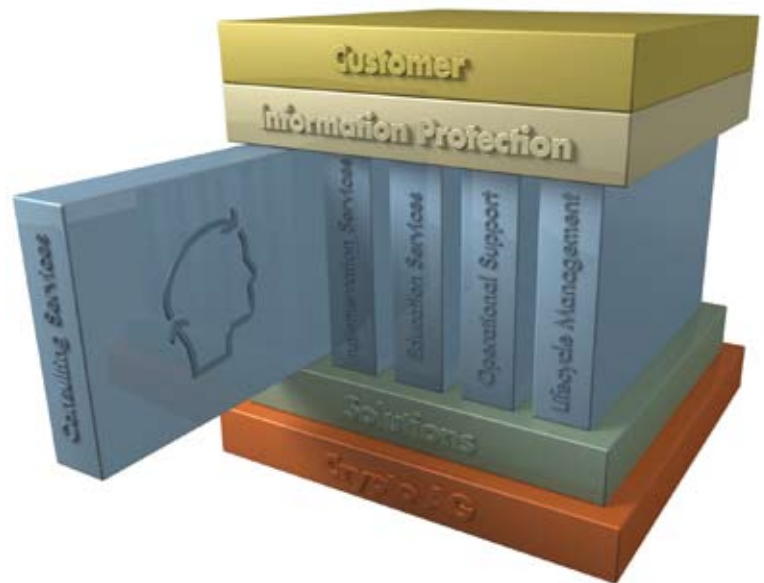
Information security is always given top priority, so these packages dramatically reduce your project risks from the outset and help you keep costs firmly in hand.





Your information security is our core area of expertise




Information security has been the core area of expertise at Crypto AG for over 55 years. The trend in this sector shows a rapid increase in the complexity of infrastructures. Along with this increasing complexity come ever-tougher demands, which can only be met if security components are smoothly integrated and optimally managed. Information security is neither a product nor a state; it is an ongoing activity. It starts with planning, proceeds to implementation and then becomes the ongoing operation that lasts until the technology is replaced. Then a new lifecycle begins.



The portfolio of Crypto AG

Crypto AG is the preferred partner of civil and military authorities around the world who demand high to maximum information security. The range we offer features the most modern technology and comprehensive services. Throughout the entire life of your system, we provide you with support services to guarantee autonomous operation and high availability in any user environment.

The development of cryptography

Transmission speed	A few characters per minute	300-64000 bits per second	10,000,000,000 bits (10 Gbit per second)
Number of keys	1	1 key per destination	1 key per virtual connection for a defined period
Integration	Separate transmission of encryption. Encryption requiring manual input of each character	Connection to a dedicated standard phone line. Defined formats such as fax or voice over phone lines	Complex integration in the customer's network infrastructure. Transport of all payloads from OSI Layer 2
Complexity comparison	Bicycle	Motorcycle	Formula 1 sports car
			
	1940	1970	Today



Consulting Services: detecting ICT security risks early



Depending on your organisation's expertise, methodological skills and your specific situation, you may select the appropriate range of Consulting Services from Crypto AG.

If maximum autonomy is what you want, we enable you to perform the activities yourself. If you prefer Crypto AG to handle the entire matter, we do so independently, yet in close collabora-

tion with your experts and partners. Each package culminates in a written report or concept paper made available exclusively to you.

ICT Security Assessment Package

Within a matter of days, an assessment can give you, as a decision-maker, a good overview of the status quo in the ICT environment of your organisation. The package also includes a competent opinion from an outside expert and benchmarking against best practices. The results and findings are presented in such a way that weaknesses and risks are readily evident, providing you with a solid basis for making decisions on how to handle information risks. Crypto AG then makes suggestions on how to bear, pass on, mitigate or avoid the biggest risks.

ICT Security Architecture & Concepts Package

With the ICT Security Architecture & Concepts Package, you receive a technical high-security architecture tailored to your needs and situation. The package includes a zoning plan and a zone transition concept for the different levels of security in the network, as well as plans on how to implement tough security requirements for network, client, remote-access or Internet security.

ICT Security Process Framework Package

This package comprises the adaptation of procedures and roles from various best practice standards in a process framework geared to your specific situation. Processes are defined to match your needs, your infrastructure and your environment. The objective is to be able to achieve the level of security your security policy specifies, to maintain that level in the long term and to monitor it on an ongoing basis.

The package covers parameters for the following security aspects of an operating organisation: Encryption Key Management, Device & Configuration Management, Incident & Problem Management, Change Management.



www.crypto.ch

Crypto AG – To Remain Sovereign

Crypto AG is your ideal partner for the efficient and secure handling of information. As a legally and economically independent Swiss company, we are not subject to any export restrictions.

We have developed, manufactured and implemented custom security solutions for over 55 years. The package we offer features the latest technology solutions and comprehensive services. Throughout the entire lifetime of your system, we provide you with support services to guarantee autonomous operation and high availability whatever the user environment.

You too can rely on the expertise and capabilities of Crypto AG – just like our customers in over 130 countries.

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