# Information Security Risk Assessment

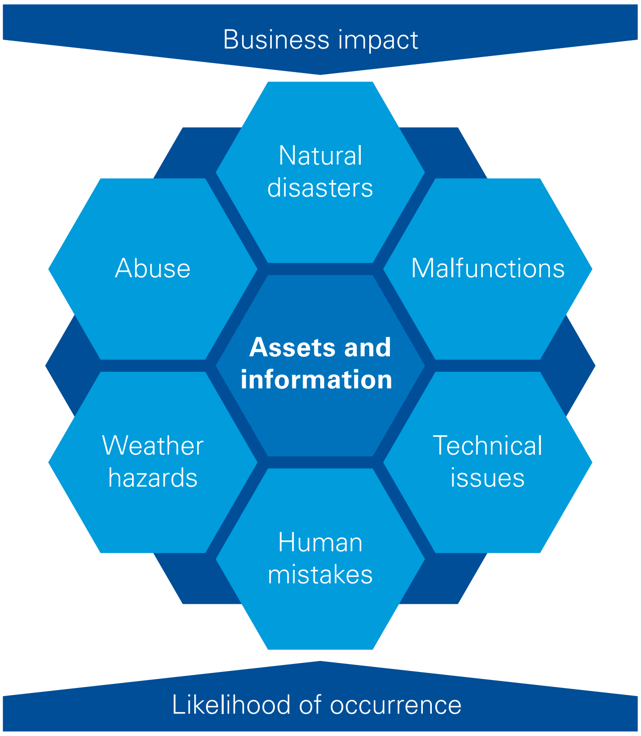
**IT Risk Advisory Services**

Do you know which data are the most valuable to your business? Do you have a true picture of the consequences of lost or impaired data? With our help you can learn about all the threats and business impacts which arise from management of your organisation's information, enabling you to respond effectively.

If managed and protected properly, information can contribute to the efficiency and productivity of an organisation's operations. However, it can be expensive if the information gets lost or modified by unauthorised individuals, directly due to the time spent on restoration or reproduction of the data, and indirectly due to lost business opportunities or missed deadlines.

Leakage of sensitive information can lead to loss of your competitive edge, legal infractions, losing the trust of clients and employees, and, as a consequence, business opportunities. With our help you can learn about and efficiently manage information security challenges. If your organisation provides financial services, our solution you can also fulfil the requirement which mandates the execution of a risk analysis every two years.

### Information Security Risk Assessment

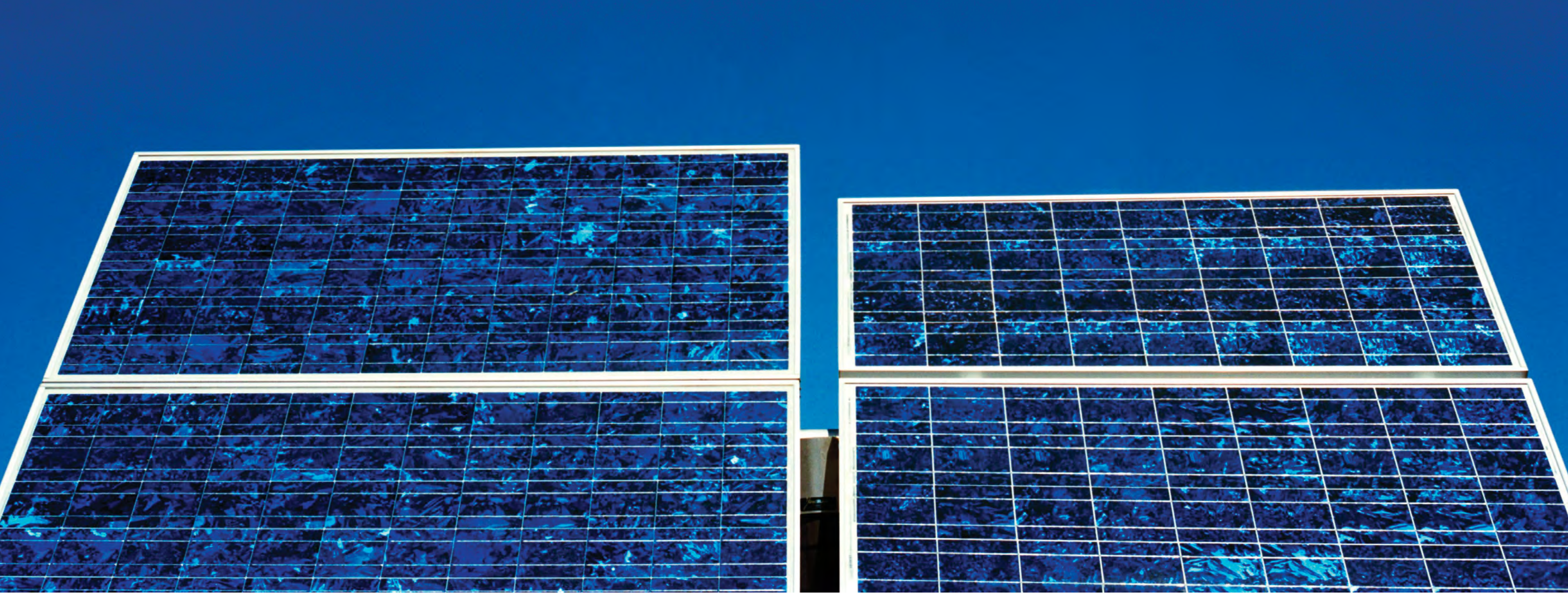


## Do the following issues sound familiar to you?

- Your enterprise's data, data management systems and data management tools have not been explored yet, thus you do not know what to protect.
- It is not known whether your information protection tools and procedures are sufficient and proportional to real risks.
- Due to postponed investments your IT solutions for data protection are out-of-date, but it is not clear where to start with the modernisation and in which order to proceed with development measures.
- Although risk analyses are conducted at your company from time to time, they follow different methodologies and thus the results are incoherent and there is no baseline for comparison.

## How can we help?

KPMG's international-standards-based but at the same time practice-oriented framework, which is also accepted by supervisory authorities, facilitates the effective protection of your organisation's information via the following services.



**Preparation of an asset and information inventory:** We assess which IT systems are in use at your company and which data they store and handle. Then we categorise them based on their types, level of importance to the business and sensitivity. Thus we prepare a database which contains not only the obvious information systems but the entire list of your organisation's software and hardware assets, as well as services provided to your company (like telecommunications and utilities).

**Evaluating threats and their likelihood to occur:** We determine which threats (external, internal, technical, natural) are characteristic for the identified resources and information assets. Then, on the basis of historical events, our prior experience and employee interviews at your enterprise, we estimate the likelihood of these threats becoming reality.

**Business impact analysis:** Through a business impact analysis (BIA) we forecast the character and monetary amount of damages which may occur in the theoretical event of the threats becoming reality (loss in income, disturbances in the operation, damages of a legal and reputational character). BIA is especially important as it provides a clear picture as to which processes and elements of the organisation's assets are essential to the company, and consequently where to focus your protective measures.

**Evaluation of risks:** Depending on the likelihood of their occurrence and the extent of the damage they may lead to, taking existing protective measures and technical solutions into account, we identify and rank all information security risks which are relevant to your enterprise. After that we prepare an action plan for the identified risks, determining milestones and deadlines with respect to your organisation's needs and opportunities.

## What advantages do we bring?

- On the basis of our information security risk assessment the analysis can be repeated later in time even by your organisation itself, with the possibility of comparing such results with those of the former assessment.
- Our framework relies on a practical approach, conforms to legal and supervisory requirements and takes into account the business, technical and human elements of information security.
- Our recommendations on how risks can be mitigated to an acceptable level takes into consideration the costs; thus, your internal resources are used prudently.

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If our service offering has aroused your interest, you can contact us for further details via the following contact information.

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